



# 30GTN,GTR,GUN,GUR040-420 ComfortLink™ Reciprocating Liquid Chillers 50/60 Hz

## Installation Instructions

### SAFETY CONSIDERATIONS

Installing, starting up, and servicing this equipment can be hazardous due to system pressures, electrical components, and equipment location.

Only trained, qualified installers and service mechanics should install, start up, and service this equipment.

Untrained personnel can perform basic maintenance functions, such as cleaning coils. All other operations should be performed by trained service personnel.

When working on the equipment, observe precautions in the literature, and on tags, stickers, and labels attached to the equipment.

- Follow all safety codes.
- Wear safety glasses and work gloves.
- Use care in handling, rigging, and setting bulky equipment.



#### ELECTRIC SHOCK HAZARD.

Open all remote disconnects before servicing this equipment.

**IMPORTANT:** This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with these instructions may cause radio interference. It has been tested and found to comply with the limits of a Class A computing device as defined by FCC (Federal Communications Commission, U.S.A.) regulations, Subpart J of Part 15, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

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### INTRODUCTION

These instructions cover installation of 30GTN, GTR,GUN,GUR040-420 liquid chillers with electronic controls and units with factory-installed options (FIOPs).

**NOTE:** Unit sizes 230-420 are modular units which are shipped in separate sections as modules A and B. Installation directions specific to these units are noted in these instructions. For modules 230B-315B, follow all general instructions as noted for unit sizes 080-110. For **all** remaining modules, follow instructions for unit sizes 130-210. See Table 1 for a listing of unit sizes and modular combinations.

Inspect the unit upon arrival for damage. If damage is found, file a claim right away with the shipping company. When considering location for the unit, be sure to consult National Electrical Code (NEC, U.S.A.) and local code requirements. Allow sufficient space for airflow, wiring, piping, and service. See Fig. 1-13. Be sure surface beneath the unit is level, and is capable of supporting the operating weight of the unit. See Fig. 14-17 and Tables 2A-3B for unit mounting and operating weights.

**NOTE:** To facilitate refrigerant vent piping, unit sizes 130-210, 230A-315A, and 330A/B-420A/B will have fusible plugs with 3/8-in. SAE (Society of Automotive Engineers, U.S.A.) flares if required by local codes.

### INSTALLATION

**Step 1 — Rig and Place the Unit —** These units are designed for overhead rigging and *it is important that this method be used*. Holes are provided in frame base channels, marked for rigging (see rigging label on unit). It is recommended that field-supplied 2-in. Schedule 40 steel pipes be passed through these holes, extending beyond frame enough to attach cables or chains on both sides for 040-110 and 230B-315B units. All other units come with 6 lifting lugs. Use spreader bars to keep cables or chains clear of unit sides. As further protection for the coil faces, plywood sheets may be placed against sides of unit, behind cables or chains. Run cables or chains to a central suspension point so that angle from horizontal is not less than 45 degrees. Raise and set unit down carefully. See Fig. 14-17 for rigging centers of gravity.

**Table 1 — Unit Sizes and Modular Combinations**

| UNIT MODEL<br>30GTN,GTR (R-22)<br>30GUN,GUR (R-134a) | NOMINAL TONS |        | SECTION A<br>30GTN,GTR,GUN,GUR | SECTION B<br>30GTN,GTR,GUN,GUR |
|------------------------------------------------------|--------------|--------|--------------------------------|--------------------------------|
|                                                      | R-22         | R-134a |                                |                                |
| 040                                                  | 40           | 25     | —                              | —                              |
| 045                                                  | 45           | 28     | —                              | —                              |
| 050                                                  | 50           | 34     | —                              | —                              |
| 060                                                  | 60           | 40     | —                              | —                              |
| 070                                                  | 70           | 48     | —                              | —                              |
| 080                                                  | 80           | 55     | —                              | —                              |
| 090                                                  | 90           | 60     | —                              | —                              |
| 100                                                  | 100          | 70     | —                              | —                              |
| 110                                                  | 110          | 75     | —                              | —                              |
| 130                                                  | 125          | 85     | —                              | —                              |
| 150                                                  | 145          | 100    | —                              | —                              |
| 170                                                  | 160          | 110    | —                              | —                              |
| 190                                                  | 180          | 120    | —                              | —                              |
| 210                                                  | 200          | 140    | —                              | —                              |
| 230                                                  | 220          | 155    | 150                            | 080                            |
| 245                                                  | 230          | 160    | 150                            | 090                            |
| 255                                                  | 240          | 170    | 150                            | 100                            |
| 270                                                  | 260          | 180    | 170                            | 100                            |
| 290                                                  | 280          | 195    | 190                            | 110                            |
| 315                                                  | 300          | 215    | 210                            | 110                            |
| 330                                                  | 325          | 220    | 170                            | 170                            |
| 360                                                  | 350          | 240    | 190                            | 190/170*                       |
| 390                                                  | 380          | 260    | 210                            | 190                            |
| 420                                                  | 400          | 280    | 210                            | 210                            |

\*60 Hz units/50 Hz units.

### ⚠ CAUTION

1. Do not use forklift trucks on these units.
2. Modular (230-420) units **MUST** be rigged and placed as separate sections.

For shipping, some domestic units and all export units are mounted on a wooden skid under entire base of unit. Skid can be removed before unit is moved to installation site. *Lift the unit from above to remove skid.* See Fig. 14-17 for rigging centers of gravity. On export units, the top skid can be used as the spreader bars. If the unit is shipped with coil protection, it must be removed before start-up. The shipping bag for export units must be removed before start-up. On export units with a full crate, the crate sides must be removed to aid in rigging.

If overhead rigging is not available, the unit can be moved on rollers or dragged. When unit is moved on rollers, the unit skid, if equipped, must be removed. To lift the unit, use jacks at the rigging points. Use a minimum of 3 rollers to distribute the load. If the unit is to be dragged, lift the unit as described above, and place unit on a pad. *Apply moving force to the pad, and not the unit.* When in its final location, raise the unit and remove the pad.

Locate the unit so that the condenser airflow is unrestricted both above and on the sides of the unit. See Fig. 1-13 for required clearances. Provide ample room for servicing and removing cooler, depending upon unit location. The unit may be mounted on a level pad directly on the base rails or on a raised perimeter rail around the unit. If unit is mounted on a raised perimeter rail, fasten the unit to the rail using the mounting holes provided (sizes 080-420). For all units, ensure placement area is strong enough to support unit operating weight. Bolt the unit securely to pad or rails. If vibration isolators (field-supplied) are required for a particular installation, refer to unit weight distribution in Fig. 14-17 to aid in the proper selection of isolators. Do NOT mount directly on spring isolators.

NOTE: Once the unit is in place, check to be sure unit is level so that oil will equalize properly.

**IMPORTANT:** When placing unit modules for unit sizes 330-420, either end of module A can be placed next to either end of module B. When placing unit modules for unit sizes 230-315, make sure modules are placed to permit access to the control box located in module B.

*Instructions continued on page 40.*



| UNIT<br>30GTR, 30GTR,<br>GUN, GUR | DIMENSIONS — ft.-in. [mm] |                     |
|-----------------------------------|---------------------------|---------------------|
|                                   | A                         | B                   |
| 060                               | 3-6 7/8<br>[1090]         | 4-10 5/16<br>[1481] |
| 060C*                             | 3-7<br>[1092]             | 4-10 9/16<br>[1488] |
| 070                               | 3-6<br>[1067]             | 4-10 1/2<br>[1486]  |
| 070C*                             | 3-6 3/4<br>[1072]         | 4-10 7/8<br>[1496]  |

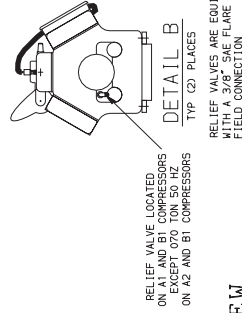
\*C\* denotes copper fin/copper tubing condenser coil.

#### NOTES:

1. Dimensions in [ ] are in mm.
2. Unit must have clearances for airflow as follows:  
Top — Do not restrict in any way  
Ends — [1524 mm] 5 ft  
Sides — [1829 mm] 6 ft
3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
5. When unit has non-fused disconnect option, power side door opens in opposite direction. Non-fused disconnect option available on all voltages.

#### FIELD POWER SUPPLY CONNECTIONS

| VOLTAGE | UNIT<br>30GTR,<br>GTR, GUN,<br>GUR | Hz | DIAMETER<br>— in. [mm] | QTY. |
|---------|------------------------------------|----|------------------------|------|
| 208/230 | 060                                | 60 | 2 1/2 [63.5]           | 2    |
|         | 070                                | 60 | 3 5/8 [92.0]           | 2    |
| 460     | 060                                | 60 | 2 1/2 [63.5]           | 1    |
|         | 070                                | 60 | 3 5/8 [92.0]           | 1    |
| 575     | 060, 070                           | 60 | 2 1/2 [63.5]           | 1    |
| 380     | 060, 070                           | 60 | 3 5/8 [92.0]           | 1    |
| 346     | 060, 070                           | 50 | 3 5/8 [92.0]           | 1    |
| 380/415 | 060, 070                           | 50 | 3 5/8 [92.0]           | 1    |



#### END VIEW

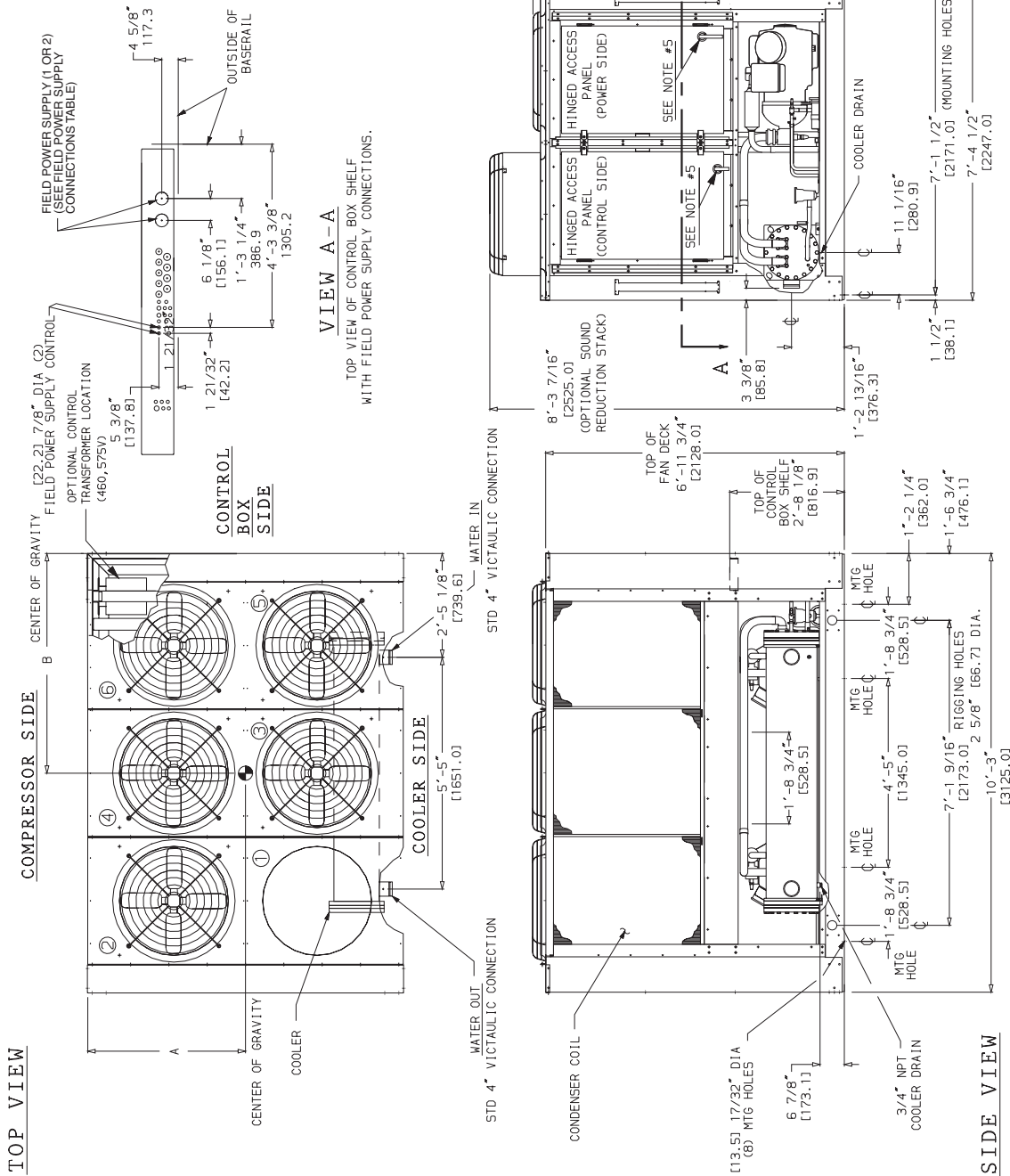
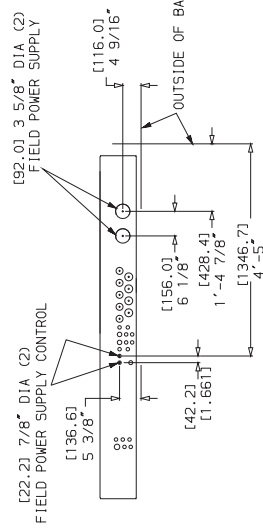
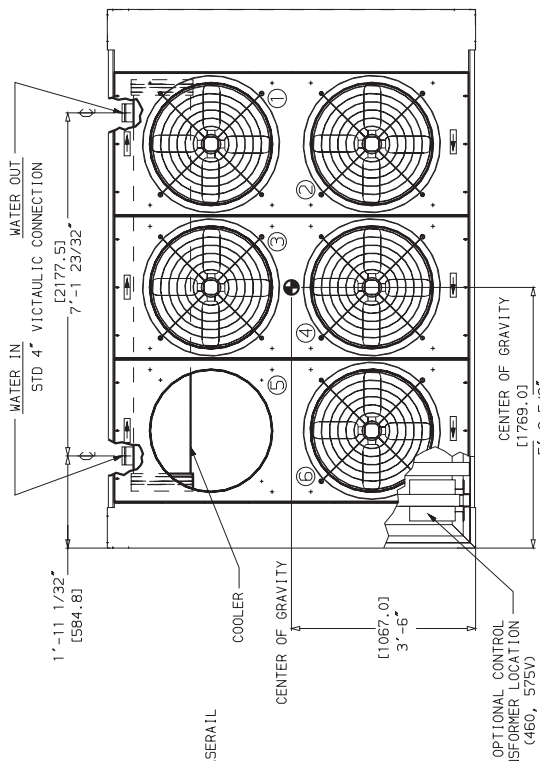
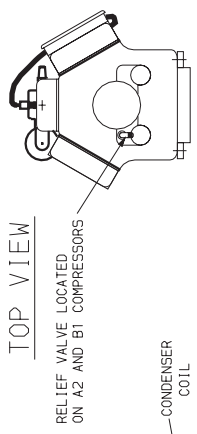


Fig. 2 — Dimensions, Unit Sizes 060, 070

- NOTES:**
1. Dimensions in [ ] are in mm.
  2. Unit must have clearances for airflow as follows:  
Top — Do not restrict in any way.  
Ends — [1524 mm] 5 ft  
Sides — [1829 mm] 6 ft
  3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
  4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
  5. When unit has non-fused disconnect option, power side door opens in opposite direction. Non-fused disconnect option mounted in control box on 380, 460, 575 v (60 Hz) and 380/415 v (50 Hz). For 208/230 v (60 Hz), non-fused disconnect mounted underneath control box.
  6. 30GTN, GTR, GUN, GUR080 is also Module B for 30GTN, GTR, GUN, GUR230.



**VIEW A-A**  
TOP VIEW OF CONTROL BOX SHELF  
WITH FIELD POWER SUPPLY CONNECTIONS



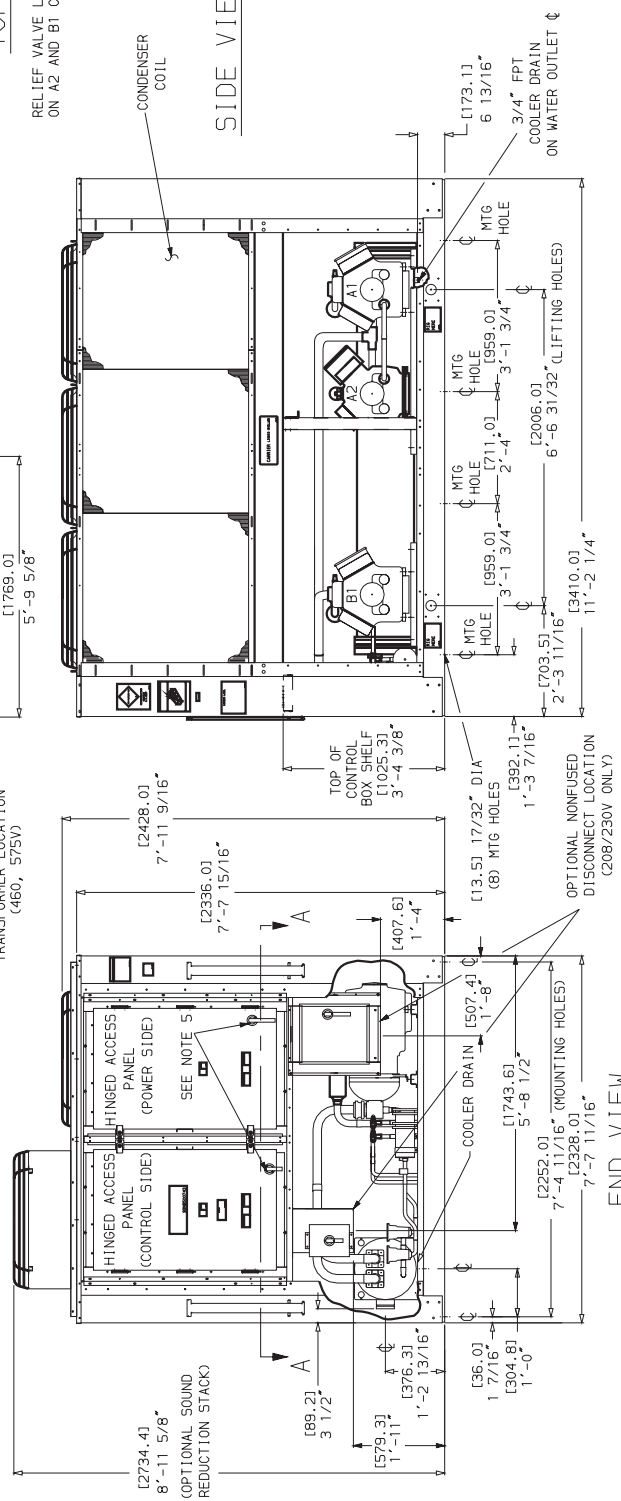
**TOP VIEW**



**SIDE VIEW**

**DETAIL B**  
TYP (2) PLACES

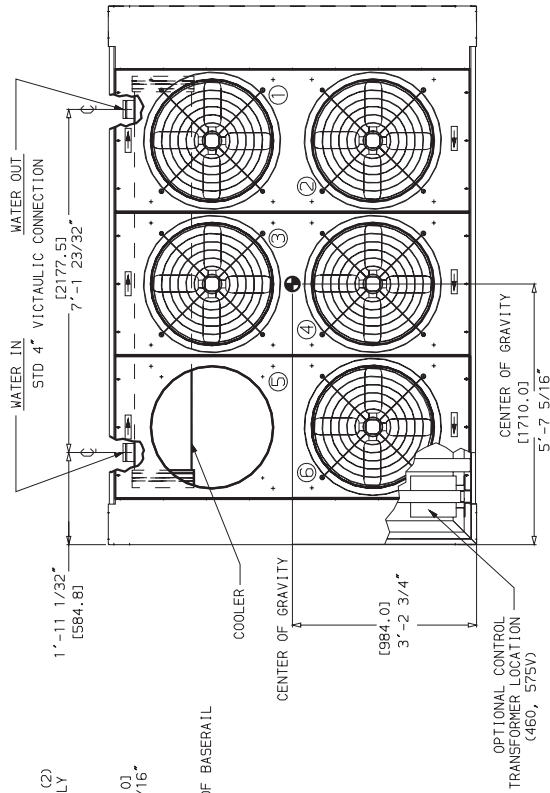
RELIEF VALVES ARE EQUIPPED WITH A 3/8" SAE FLARE FOR FIELD CONNECTION



**END VIEW**

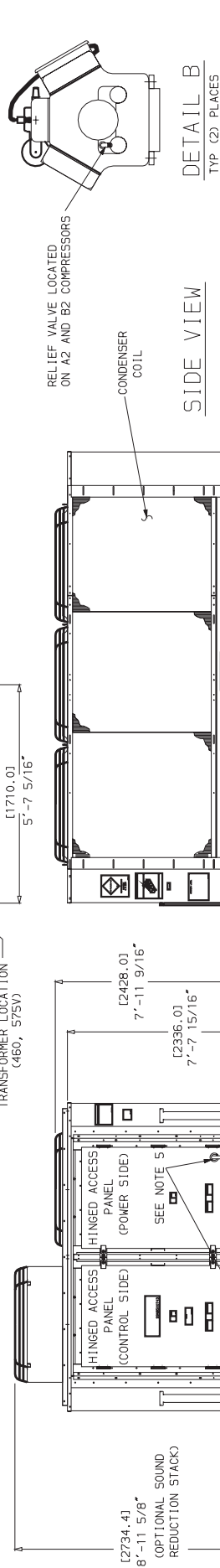
**Fig. 3 — Dimensions, Unit Sizes 080, 230B**

- NOTES:**
1. Dimensions in [ ] are in mm.
  2. Unit must have clearances for airflow as follows:  
Top — [1524 mm] 5 ft  
Sides — [1829 mm] 6 ft
  3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
  4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
  5. When unit has non-fused disconnect option, power side door opens in opposite direction. Non-fused disconnect option mounted in control box on 380, 460, 575 v (60 Hz) and 380/415 v (50 Hz). For 208/230 v (60 Hz), non-fused disconnect mounted underneath control box.
  6. 30G3TN, GTR, GUN, GUR090 is also Module B for 30G3TN, GTR, GUN, GUR245.



**VIEW A-A**  
TOP VIEW OF CONTROL BOX SHELF  
WITH FIELD POWER SUPPLY CONNECTIONS

**TOP VIEW**



**SIDE VIEW**

**DETAIL B**  
TYP (2) PLACES

RELIEF VALVES ARE EQUIPPED  
WITH A 3/8" SAE FLARE FOR  
FIELD CONNECTION

**END VIEW**

**Fig. 4 — Dimensions, Unit Sizes 090, 245B**

NOTES:

1. Dimensions in [ ] are in mm.
2. Unit must have clearances for airflow as follows:  
Top — Do not restrict in any way.  
Ends — [1524 mm] 5 ft  
Sides — [1829 mm] 6 ft
3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
5. Size 100 is also Module B for Size 255, 270.
6. Size 110 is also Module B for Size 290, 315.
7. When unit has non-fused disconnect option, power side door opens in opposite direction. Non-fused disconnect option mounted in control box on 380/460/575 v (60 Hz) and 380/415 v (50 Hz). For 208/230 v (60 Hz), non-fused disconnect mounted underneath control box.

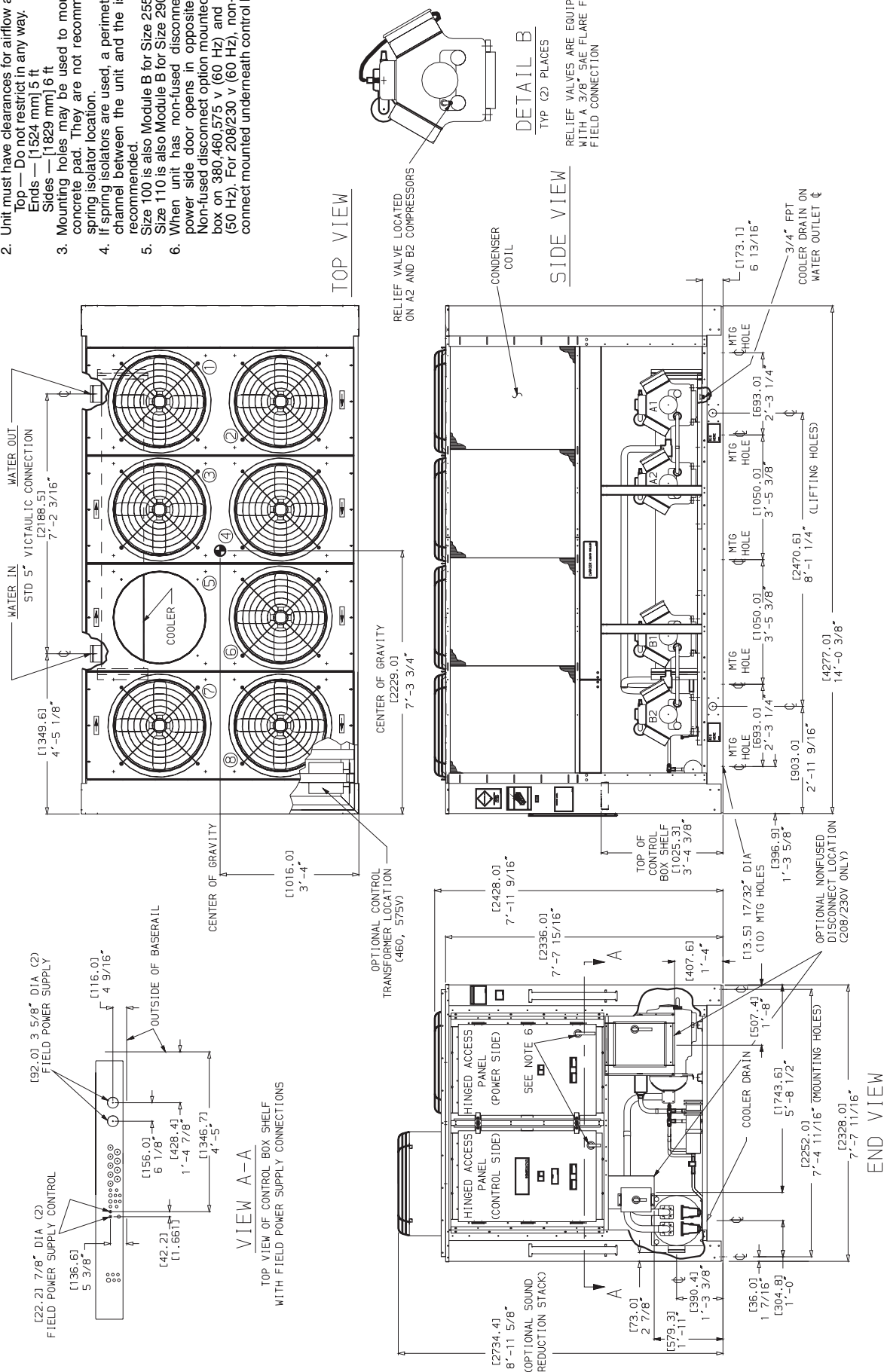
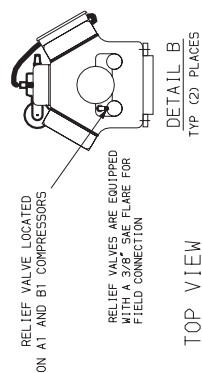


Fig. 5 — Dimensions, Unit Sizes 100, 110, 225B-315B

| UNIT<br>30GTN,GTR,<br>GUN,GUR | DIMENSIONS — ft-in. [mm] |                   |                 |                  |
|-------------------------------|--------------------------|-------------------|-----------------|------------------|
|                               | A                        | B                 | C               | D                |
| 130                           | 9-4 1/2<br>[2856]        | 4-1 1/8<br>[1267] | 1-43/4<br>[425] | 0-9 1/2<br>[242] |
| 150                           | 9-4<br>[2849]            | 4-2 1/2<br>[1283] | 1-43/4<br>[425] | 0-9 1/2<br>[242] |
| 170                           | 9-4 1/8<br>[2865]        | 4-2 1/2<br>[1283] | 1-55/8<br>[448] | 0-85/8<br>[219]  |



#### NOTES:

1. Dimensions in [ ] are in mm.
2. Unit must have clearances for airflow as follows:  
Top — Do not restrict in any way.  
Sides — [1524 mm] 5 ft  
Ends — [1829 mm] 6 ft
3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
5. Size 150 also Module A for size 230, 245, 255.  
Size 170 also Module A for size 270, 330.  
Size 170 also Module B for size 330, 360 (50 Hz).

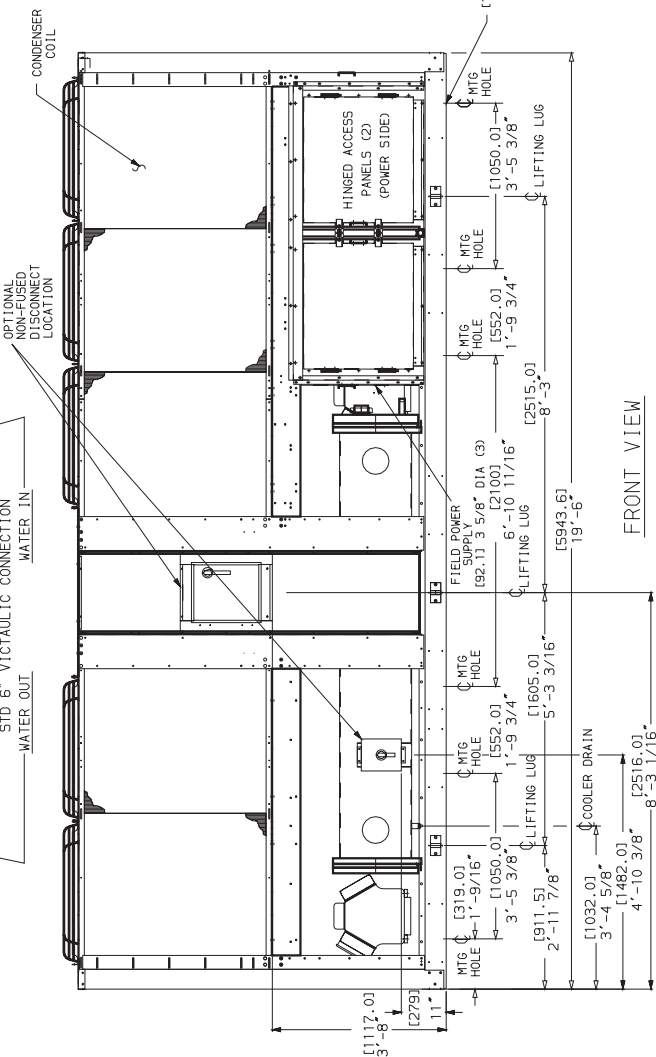
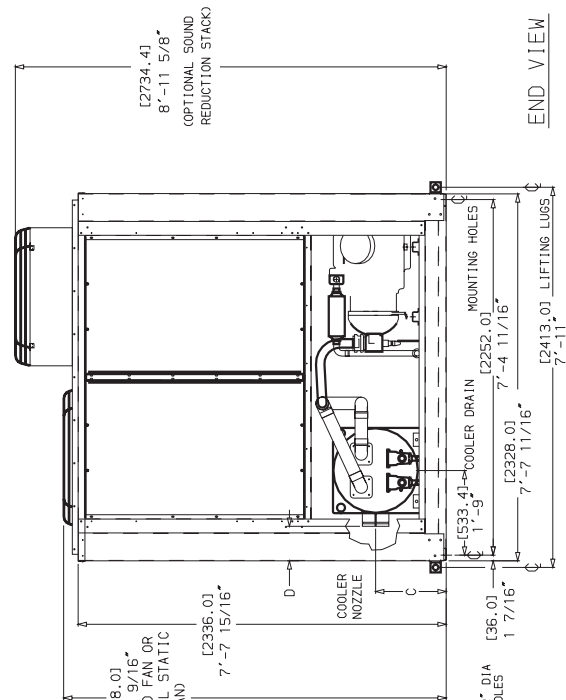
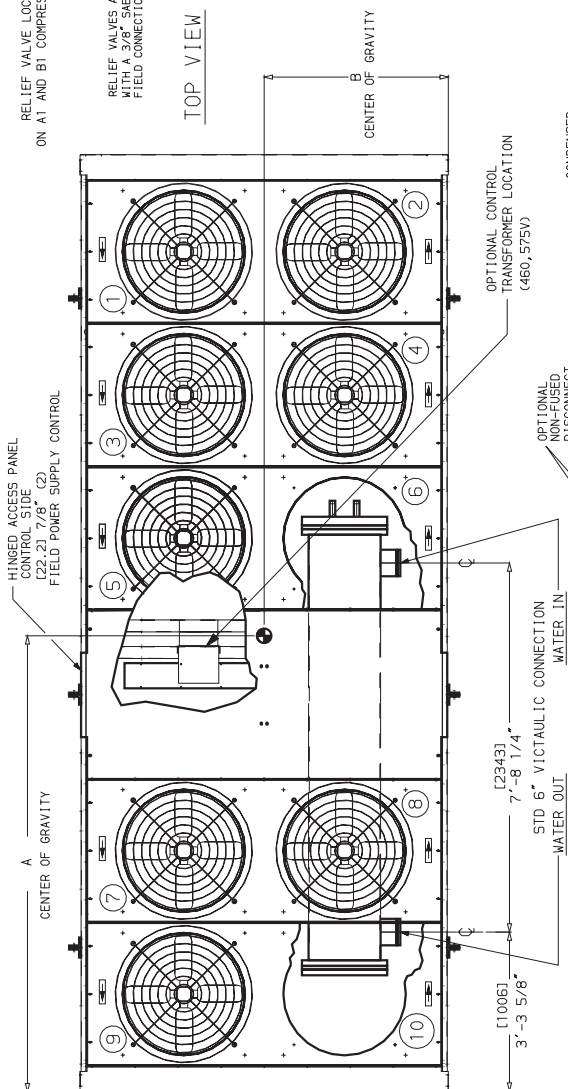


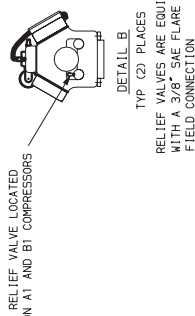
Fig. 6 — Dimensions, Unit Sizes 130-170, 230A-270A, 330A/B, 360B (50 Hz)

1. Dimensions in [ ] are in mm.
2. Top — Do not restrict for airflow as follows:
  - Unit — Must not restrict in any way.
  - Ends — [1524 mm] 5 ft
  - Sides — [1829 mm] 6 ft
3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
5. Size 190 also Module A for size 290, 360.  
Size 190 also Module B for size 360 (60 Hz), 390.  
Size 210 also Module A for size 315, 390, 420.  
Size 210 also Module B for size 420.



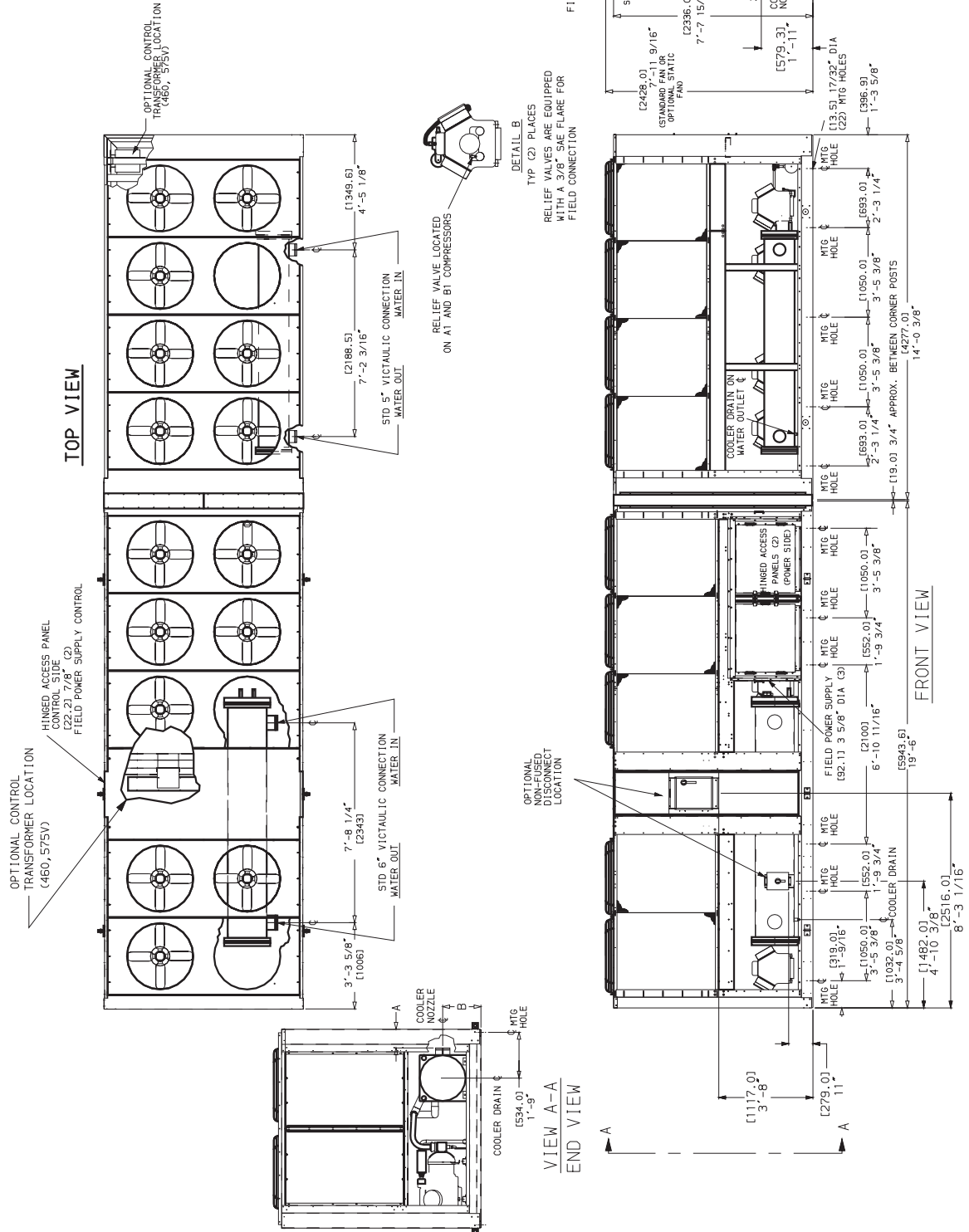
**Fig. 7 — Dimensions, Unit Sizes 190, 210, 290A, 315A, 360A (50 Hz), 360A/B (60 Hz), 390A/B, 420A/B**

1. Dimensions in [ ] are in mm.
2. Unit must have clearances for airflow as follows:  
 Top — Do not restrict in any way.  
 Ends — [1524 mm] 5 ft  
 Sides — [1829 mm] 6 ft
3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
5. Unit shipped in 2 pieces.
6. When units have non-used disconnect option, power side door opens in opposite direction. Non-used disconnect option mounted in control box on 380, 460, 575 v (60 Hz) and 380/415 v (50 Hz). For 208/230 v (60 Hz), non-used disconnect mounted underneath control box.



# NOTES:

1. Dimensions in [ ] are in mm.
2. Unit must have clearances for airflow as follows:  
Top — Do not restrict in any way.  
Ends — [1524 mm] 5 ft  
Sides — [1829 mm] 6 ft
3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
5. Unit shipped in 2 pieces.
6. When unit have non-fused disconnect option, power side door opens in opposite direction. Non-fused disconnect option mounted in control box on 380, 460, 575 v (60 Hz) and 380/415 v (50 Hz). For 208/230 v (60 Hz), non-fused disconnect mounted underneath control box.



| UNIT<br>30G TN GTR,<br>GUN, GUR | DIMENSIONS — ft-in. [mm] |                  |
|---------------------------------|--------------------------|------------------|
|                                 | A                        | B                |
| 255                             | 0-9 1/2<br>[241]         | 1-4 3/4<br>[425] |
| 270                             | 0-8 1/2<br>[216]         | 1-5 5/8<br>[448] |

Fig. 9 — Dimensions, Unit Sizes 255, 270 (A/B Modules Shown Connected with Accessory Trim Kit)

NOTES:  
1. Dimensions in [ ] are in mm.  
2. Unit must have clearances for airflow as follows:  
Top — Do not restrict in any way.

3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
5. Unit shipped in 2 pieces.
6. When unit have non-fused disconnect option, power side door opens in opposite direction. Non-fused disconnect option mounted in control box on 380, 460, 575 v (60 Hz) and 380/415 v (50 Hz). For 208/230 v (60 Hz), non-fused disconnect mounted underneath control box.

| UNIT<br>30GTN, GTR,<br>GUN, GUR | DIMENSIONS — ft.-in. [mm] |                  |                   |                   |                     |
|---------------------------------|---------------------------|------------------|-------------------|-------------------|---------------------|
|                                 | A                         | B                | C                 | D                 | E                   |
| 290                             | 0-85/8<br>[219]           | 1-55/8<br>[448]  | 6-37/16<br>[1916] | 7-81/4<br>[2343]  | 6-47/16<br>[1941.3] |
| 315                             | 0-91/2<br>[242]           | 1-67/16<br>[468] | 5-111/2<br>[1816] | 8-29/16<br>[2504] | 5-111/2<br>[1816.2] |

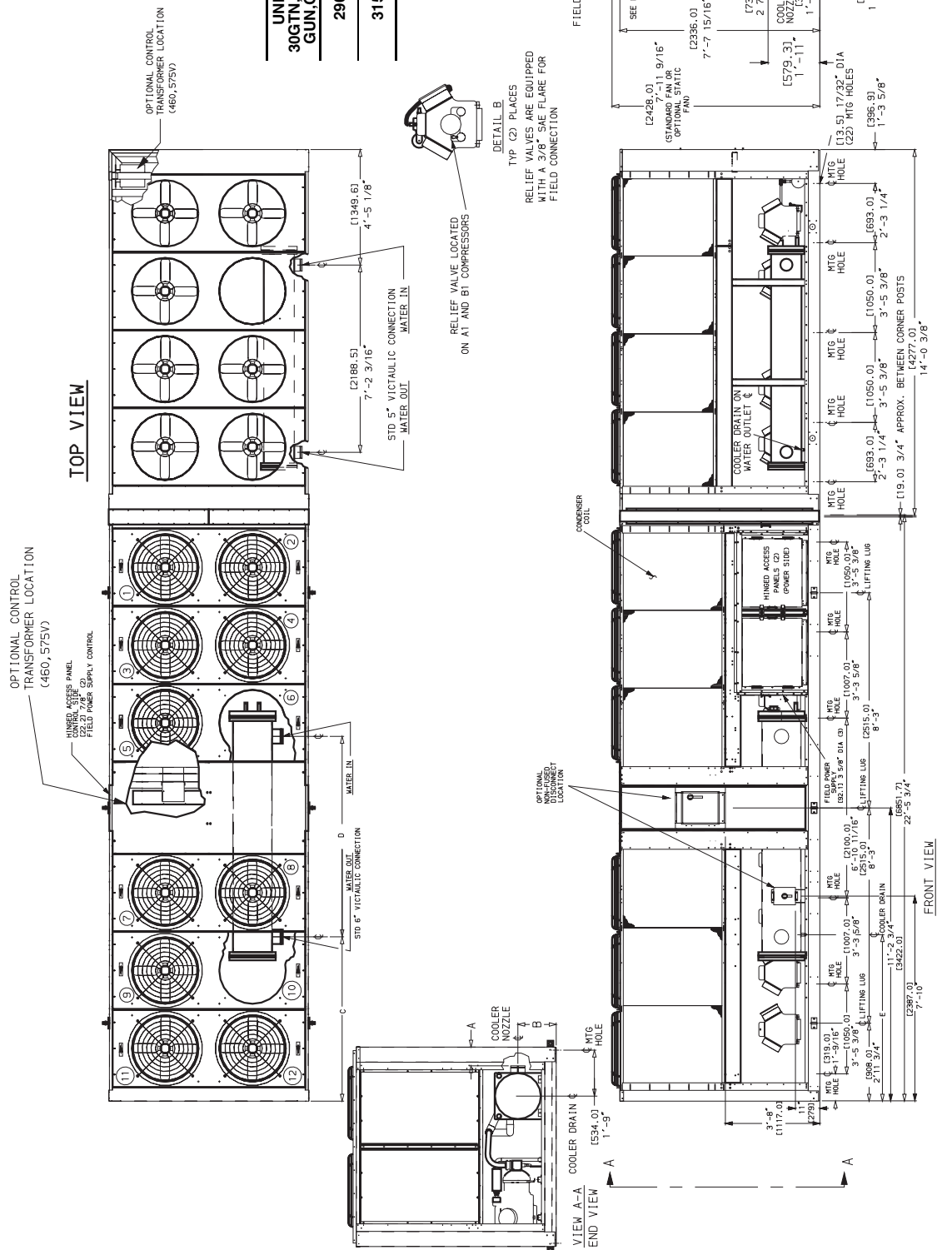


**Fig. 10 — Dimensions, Unit Sizes 290, 315 (A/B Modules Shown Connected with Accessory Trim Kit)**

1. Dimensions in [ ] are in mm.

- | UNIT<br>30GTN,GTR,<br>GUN,GUR | DIMENSIONS — ft-in. [mm] |                 |
|-------------------------------|--------------------------|-----------------|
|                               | A                        | B               |
| 330                           | 0-91/2<br>[242]          | 1-55/8<br>[448] |



DETAIL B  
TYP (2) PLACES

RELIEF VALVES ARE EQUIPPED  
WITH A 3/8" SAE FLARE FOR  
FIELD CONNECTION



1. Dimensions in [ ] are in mm.
2. Unit must have clearances for

1. Units shipped in 1 piece.
2. Units shipped in 2 pieces. Unit must have clearances for airflow as follows:
  - Top — Do not restrict in any way.
  - Ends — [1524 mm] 5 ft
  - Sides — [1829 mm] 6 ft
3. Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
5. Unit shipped in 2 pieces.

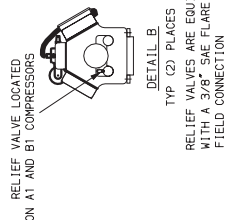


**Fig. 12 — Dimensions, Unit Size 360 (50 Hz) (A/B Modules Shown Connected with Accessory Trim Kit)**

| UNIT<br>30GTR, GTR, GUN, GUR | DIMENSIONS — ft-in. [mm] |                 |                   |                   |                   |                   |                   |                    |                  |                  |                   |
|------------------------------|--------------------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|------------------|------------------|-------------------|
|                              | A                        | B               | C                 | D                 | E                 | F                 | G                 | H                  | J                | K                | M                 |
| 360 (60 Hz)                  | 0-85/8<br>[219]          | 0-85/8<br>[219] | 7-81/4<br>[2343]  | 7-81/4<br>[2343]  | 1-107/16<br>[570] | 1-107/16<br>[570] | 6-37/16<br>[1916] | 8-61/16<br>[2593]  | 1-55/8<br>[448]  | 1-55/8<br>[448]  | 5-111/2<br>[1816] |
| 390                          | 0-91/2<br>[242]          | 0-85/8<br>[219] | 8-29/16<br>[2504] | 7-81/4<br>[2343]  | 2-23/8<br>[620]   | 1-107/16<br>[570] | 5-111/2<br>[1816] | 8-61/16<br>[2593]  | 1-67/16<br>[468] | 1-55/8<br>[448]  | 6-41/2<br>[1942]  |
| 420                          | 0-91/2<br>[242]          | 0-91/2<br>[242] | 8-29/16<br>[2504] | 8-29/16<br>[2504] | 2-23/8<br>[620]   | 2-23/8<br>[620]   | 5-111/2<br>[1816] | 8-311/16<br>[2532] | 1-67/16<br>[468] | 1-67/16<br>[468] | 6-41/2<br>[1942]  |

- NOTES:
1. Dimensions in [ ] are in mm.
  2. Unit must have clearances for airflow as follows:  
Top — Do not restrict in any way.  
Ends — [1524 mm] 5 ft  
Sides — [1829 mm] 6 ft  
Mounting holes may be used to mount unit to concrete pad. They are not recommended for spring isolator location.
  3. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
  4. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.
  5. Unit shipped in 2 pieces.

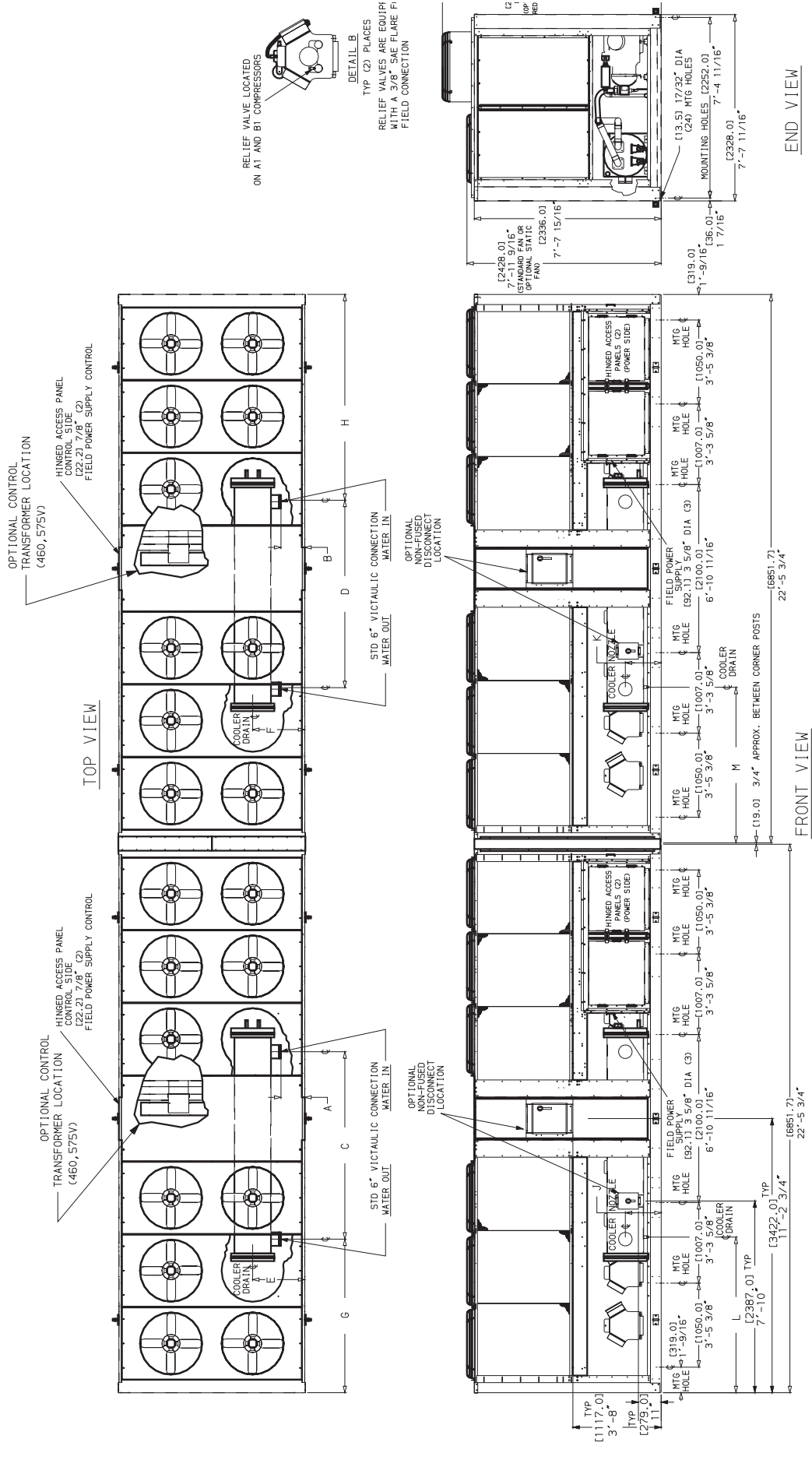
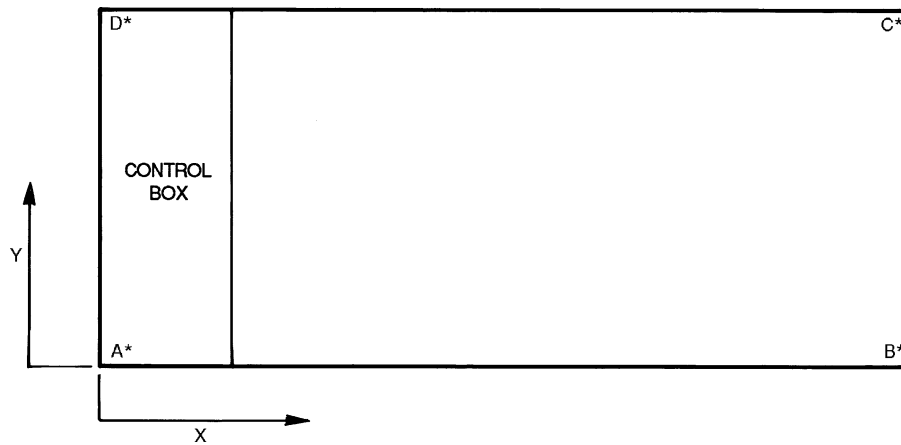


Fig. 13 — Dimensions, Unit Size 360 (60 Hz), 390, 420 (A/B Modules Shown Connected with Accessory Trim Kit)



#### 60 Hz UNITS

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | CONDENSER<br>COIL† | lb   |      |      |      | kg  |     |     |     |
|--------------------------------|--------------------|------|------|------|------|-----|-----|-----|-----|
|                                |                    | A    | B    | C    | D    | A   | B   | C   | D   |
| 040                            | C-AL               | 972  | 876  | 807  | 895  | 441 | 397 | 366 | 406 |
|                                | C-C                | 1044 | 948  | 879  | 968  | 473 | 430 | 399 | 439 |
| 045                            | C-AL               | 999  | 895  | 845  | 943  | 453 | 406 | 383 | 428 |
|                                | C-C                | 1071 | 967  | 917  | 1015 | 486 | 438 | 416 | 460 |
| 050                            | C-AL               | 1047 | 948  | 884  | 976  | 475 | 430 | 401 | 443 |
|                                | C-C                | 1155 | 1057 | 992  | 1085 | 524 | 479 | 450 | 492 |
| 060                            | C-AL               | 1258 | 1130 | 1130 | 1113 | 570 | 512 | 505 | 562 |
|                                | C-C                | 1362 | 1234 | 1217 | 1344 | 618 | 560 | 552 | 609 |
| 070                            | C-AL               | 1332 | 1212 | 1184 | 1301 | 604 | 550 | 537 | 590 |
|                                | C-C                | 1489 | 1369 | 1340 | 1458 | 675 | 621 | 608 | 661 |

#### 50 Hz UNITS

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | CONDENSER<br>COIL† | lb   |      |      |      | kg  |     |     |     |
|--------------------------------|--------------------|------|------|------|------|-----|-----|-----|-----|
|                                |                    | A    | B    | C    | D    | A   | B   | C   | D   |
| 040                            | C-AL               | 992  | 886  | 808  | 904  | 450 | 402 | 366 | 410 |
|                                | C-C                | 1064 | 959  | 880  | 976  | 482 | 435 | 399 | 443 |
| 045                            | C-AL               | 1065 | 934  | 812  | 925  | 483 | 424 | 368 | 420 |
|                                | C-C                | 1137 | 1007 | 883  | 998  | 515 | 457 | 401 | 452 |
| 050                            | C-AL               | 1074 | 968  | 889  | 986  | 487 | 439 | 403 | 447 |
|                                | C-C                | 1182 | 1076 | 997  | 1095 | 536 | 488 | 452 | 496 |
| 060                            | C-AL               | 1269 | 1151 | 1123 | 1238 | 575 | 522 | 509 | 561 |
|                                | C-C                | 1373 | 1255 | 1227 | 1342 | 623 | 569 | 556 | 609 |
| 070                            | C-AL               | 1508 | 1369 | 1226 | 1350 | 684 | 621 | 556 | 612 |
|                                | C-C                | 1664 | 1526 | 1383 | 1508 | 755 | 692 | 627 | 684 |

#### LEGEND

**C-AL** — Copper Tubing, Aluminum Fins

**C-C** — Copper Tubing, Copper Fins

\*Points A, B, C, and D are located in the corners of the unit. See Fig. 1 and 2 for dimensions.

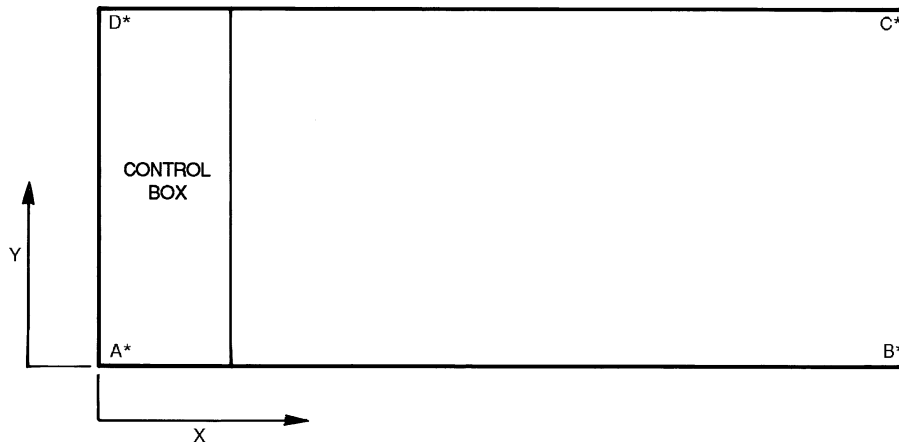
†Contact your local Carrier representative for more information on epoxy-coated and pre-coated aluminum fins.

NOTE: If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.

#### RIGGING CENTER OF GRAVITY

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | 040                              |      | 045                              |      | 050                            |      | 060                             |      | 070                            |      |
|--------------------------------|----------------------------------|------|----------------------------------|------|--------------------------------|------|---------------------------------|------|--------------------------------|------|
|                                | in.                              | mm   | in.                              | mm   | in.                            | mm   | in.                             | mm   | in.                            | mm   |
| <b>X<br/>Dimension</b>         | 46 <sup>13</sup> / <sub>16</sub> | 1189 | 46 <sup>13</sup> / <sub>16</sub> | 1189 | 47                             | 1194 | 58 <sup>5</sup> / <sub>16</sub> | 1481 | 58 <sup>1</sup> / <sub>2</sub> | 1486 |
| <b>Y<br/>Dimension</b>         | 41 <sup>11</sup> / <sub>16</sub> | 1059 | 42 <sup>1</sup> / <sub>16</sub>  | 1069 | 41 <sup>7</sup> / <sub>8</sub> | 1064 | 42 <sup>7</sup> / <sub>8</sub>  | 1090 | 42                             | 1067 |

**Fig. 14 — Mounting Weights (Approximate); Unit Sizes 040-070**



#### 60 Hz UNITS

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | CONDENSER<br>COIL† | lb   |      |      |      | kg   |      |      |      |
|--------------------------------|--------------------|------|------|------|------|------|------|------|------|
|                                |                    | A    | B    | C    | D    | A    | B    | C    | D    |
| 080,230B                       | C-AL               | 1624 | 1690 | 1666 | 1650 | 738  | 768  | 757  | 750  |
|                                | C-C                | 1797 | 1880 | 1847 | 1831 | 817  | 854  | 840  | 832  |
| 090,245B                       | C-AL               | 1817 | 1793 | 1720 | 1685 | 826  | 815  | 782  | 766  |
|                                | C-C                | 1997 | 1970 | 1893 | 1880 | 908  | 895  | 860  | 855  |
| 100,255B,270B                  | C-AL               | 2185 | 2185 | 2120 | 2120 | 993  | 993  | 964  | 964  |
|                                | C-C                | 2420 | 2420 | 2360 | 2360 | 1100 | 1100 | 1073 | 1073 |
| 110,290B,315B                  | C-AL               | 2191 | 2217 | 2136 | 2116 | 996  | 1007 | 970  | 962  |
|                                | C-C                | 2428 | 2454 | 2374 | 2354 | 1104 | 1115 | 1079 | 1070 |

#### 50 Hz UNITS

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | CONDENSER<br>COIL† | lb   |      |      |      | kg   |      |      |      |
|--------------------------------|--------------------|------|------|------|------|------|------|------|------|
|                                |                    | A    | B    | C    | D    | A    | B    | C    | D    |
| 080,230B                       | C-AL               | 1650 | 1730 | 1680 | 1660 | 750  | 786  | 764  | 755  |
|                                | C-C                | 1830 | 1910 | 1863 | 1842 | 832  | 868  | 847  | 837  |
| 090,245B                       | C-AL               | 1833 | 1864 | 1724 | 1714 | 833  | 847  | 784  | 779  |
|                                | C-C                | 2014 | 2040 | 1907 | 1899 | 915  | 927  | 867  | 863  |
| 100,255B,270B                  | C-AL               | 2222 | 2222 | 2133 | 2133 | 1010 | 1010 | 970  | 970  |
|                                | C-C                | 2460 | 2460 | 2370 | 2370 | 1118 | 1118 | 1077 | 1077 |
| 110,290B,315B                  | C-AL               | 2271 | 2271 | 2149 | 2149 | 1032 | 1032 | 976  | 976  |
|                                | C-C                | 2508 | 2508 | 2387 | 2387 | 1140 | 1140 | 1085 | 1085 |

#### LEGEND

**C-AL** — Copper Tubing, Aluminum Fins  
**C-C** — Copper Tubing, Copper Fins

\*Points A, B, C, and D are located in the corners of the unit. See Fig. 3-5 for dimensions.

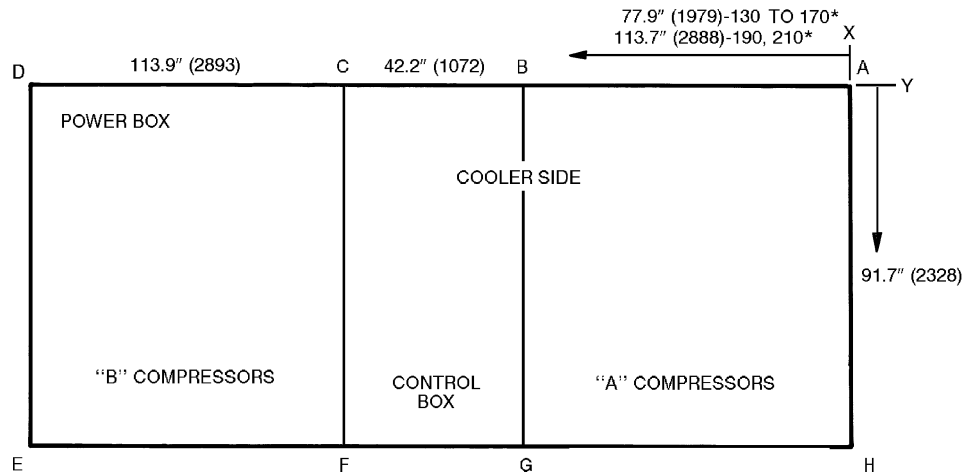
†Contact your local Carrier representative for more information on epoxy-coated and pre-coated aluminum fins.

NOTE: If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.

#### RIGGING CENTER OF GRAVITY

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | 080,230B |      | 090,245B |      | 100,110,255B-315B |      |
|--------------------------------|----------|------|----------|------|-------------------|------|
|                                | in.      | mm   | in.      | mm   | in.               | mm   |
| <b>X<br/>Dimension</b>         | 69.6     | 1769 | 67.3     | 1710 | 87.8              | 2229 |
| <b>Y<br/>Dimension</b>         | 42.0     | 1067 | 38.8     | 984  | 40.0              | 1016 |

**Fig. 15 — Mounting Weights (Approximate); Unit Sizes 080-110 and 230B-315B**



#### 60 Hz UNITS

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | CONDENSER<br>COIL† | lb   |      |      |      |      |      |      |      |
|--------------------------------|--------------------|------|------|------|------|------|------|------|------|
|                                |                    | A    | B    | C    | D    | E    | F    | G    | H    |
| 130                            | C-AL               | 923  | 1466 | 1156 | 825  | 1411 | 1365 | 1469 | 1439 |
|                                | C-C                | 1051 | 1593 | 1283 | 952  | 1601 | 1556 | 1659 | 1622 |
| 150,230A-255A                  | C-AL               | 926  | 1563 | 1160 | 834  | 1438 | 1375 | 1747 | 1438 |
|                                | C-C                | 1053 | 1690 | 1287 | 961  | 1628 | 1566 | 1938 | 1629 |
| 170,270A,330A/B                | C-AL               | 962  | 1732 | 1333 | 862  | 1497 | 1629 | 1816 | 1462 |
|                                | C-C                | 1089 | 1860 | 1460 | 990  | 1688 | 1819 | 2007 | 1653 |
| 190,290A,360A/B,390B           | C-AL               | 1346 | 1942 | 1793 | 1111 | 1385 | 1799 | 1733 | 1567 |
|                                | C-C                | 1536 | 2132 | 1983 | 1301 | 1575 | 1989 | 1923 | 1757 |
| 210,315A,390A,420A/B           | C-AL               | 1376 | 2128 | 1871 | 1120 | 1407 | 1846 | 2037 | 1595 |
|                                | C-C                | 1566 | 2318 | 2061 | 1310 | 1597 | 2036 | 2227 | 1784 |

#### 60 Hz UNITS

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | CONDENSER<br>COIL† | kg  |      |     |     |     |     |      |     |
|--------------------------------|--------------------|-----|------|-----|-----|-----|-----|------|-----|
|                                |                    | A   | B    | C   | D   | E   | F   | G    | H   |
| 130                            | C-AL               | 419 | 666  | 525 | 375 | 641 | 620 | 668  | 650 |
|                                | C-C                | 478 | 723  | 583 | 433 | 728 | 707 | 754  | 737 |
| 150,230A-255A                  | C-AL               | 420 | 710  | 527 | 379 | 653 | 625 | 794  | 653 |
|                                | C-C                | 478 | 768  | 585 | 436 | 285 | 711 | 880  | 740 |
| 170,270A,330A/B                | C-AL               | 437 | 787  | 605 | 392 | 680 | 740 | 825  | 664 |
|                                | C-C                | 495 | 845  | 663 | 450 | 767 | 826 | 912  | 751 |
| 190,290A,360A/B,390B           | C-AL               | 611 | 882  | 815 | 505 | 629 | 817 | 787  | 712 |
|                                | C-C                | 698 | 969  | 901 | 591 | 715 | 904 | 874  | 798 |
| 210,315A,390A,420A/B           | C-AL               | 625 | 967  | 850 | 509 | 639 | 384 | 925  | 725 |
|                                | C-C                | 711 | 1053 | 937 | 595 | 725 | 925 | 1012 | 810 |

#### LEGEND

**C-AL** — Copper Tubing, Aluminum Fins  
**C-C** — Copper Tubing, Copper Fins

\*And associated modules.

†Contact your local Carrier representative for more information on epoxy-coated and pre-coated aluminum fins.

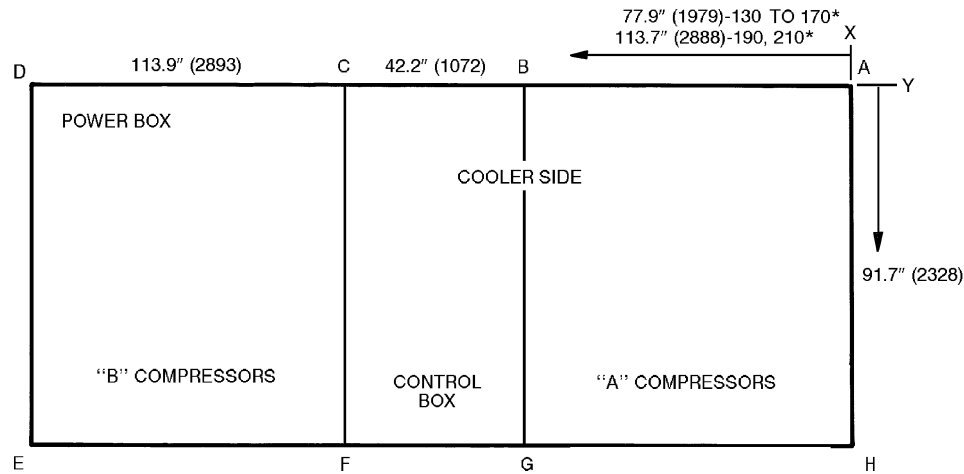
#### NOTES:

1. Dimensions in ( ) are millimeters.
2. If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.

#### RIGGING CENTER OF GRAVITY

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | 130   |      | 150,230A-255A |      | 170,270A,<br>330A/B |      | 190,290A,<br>360A/B,390B |      | 210,315A,390A,<br>420A/B |      |
|--------------------------------|-------|------|---------------|------|---------------------|------|--------------------------|------|--------------------------|------|
|                                | in.   | mm   | in.           | mm   | in.                 | mm   | in.                      | mm   | in.                      | mm   |
| <b>X<br/>Dimension</b>         | 112.5 | 2858 | 112.1         | 2849 | 112.8               | 2865 | 136.0                    | 3454 | 135.6                    | 3444 |
| <b>Y<br/>Dimension</b>         | 49.9  | 1267 | 50.5          | 1283 | 50.5                | 1283 | 50.5                     | 1283 | 50.0                     | 1270 |

**Fig. 16 — Mounting Weights (Approximate); Unit Sizes 130-210, 230A-315A, 330A/B-420A/B (60 Hz)**



#### 50 Hz UNITS

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | CONDENSER<br>COIL† | lb   |      |      |      |      |      |      |      |
|--------------------------------|--------------------|------|------|------|------|------|------|------|------|
|                                |                    | A    | B    | C    | D    | E    | F    | G    | H    |
| 130                            | C-AL               | 928  | 1569 | 1160 | 834  | 1438 | 1375 | 1764 | 1444 |
|                                | C-C                | 1056 | 1696 | 1287 | 961  | 1628 | 1566 | 1954 | 1635 |
| 150,230A-255A                  | C-AL               | 948  | 1591 | 1160 | 834  | 1438 | 1375 | 1829 | 1502 |
|                                | C-C                | 1075 | 1719 | 1287 | 961  | 1628 | 1566 | 2020 | 1692 |
| 170,270A,330A/B                | C-AL               | 963  | 1744 | 1348 | 873  | 1527 | 1673 | 1849 | 1466 |
|                                | C-C                | 1090 | 1871 | 1475 | 1000 | 1718 | 1864 | 2040 | 1657 |
| 190,290A,360A/B,390B           | C-AL               | 1365 | 1953 | 1807 | 1127 | 1430 | 1839 | 1765 | 1621 |
|                                | C-C                | 1555 | 2143 | 1997 | 1316 | 1620 | 2029 | 1955 | 1811 |
| 210,315A,390A,420A/B           | C-AL               | 1383 | 2151 | 1876 | 1128 | 1430 | 1860 | 2102 | 1615 |
|                                | C-C                | 1573 | 2341 | 2066 | 1318 | 1620 | 2050 | 2292 | 1805 |

#### 50 Hz UNITS

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | CONDENSER<br>COIL† | kg  |      |     |     |     |     |      |     |
|--------------------------------|--------------------|-----|------|-----|-----|-----|-----|------|-----|
|                                |                    | A   | B    | C   | D   | E   | F   | G    | H   |
| 130                            | C-AL               | 422 | 714  | 527 | 379 | 654 | 625 | 802  | 656 |
|                                | C-C                | 480 | 770  | 585 | 436 | 740 | 711 | 888  | 743 |
| 150,230A-255A                  | C-AL               | 430 | 723  | 527 | 379 | 653 | 625 | 831  | 682 |
|                                | C-C                | 486 | 781  | 585 | 437 | 740 | 711 | 918  | 769 |
| 170,270A,330A/B                | C-AL               | 437 | 792  | 612 | 397 | 694 | 760 | 840  | 666 |
|                                | C-C                | 495 | 850  | 670 | 454 | 780 | 845 | 927  | 753 |
| 190,290A,360A/B,390B           | C-AL               | 620 | 887  | 821 | 512 | 650 | 835 | 802  | 736 |
|                                | C-C                | 707 | 974  | 907 | 598 | 736 | 922 | 977  | 823 |
| 210,315A,390A,420A/B           | C-AL               | 628 | 977  | 852 | 512 | 650 | 845 | 955  | 734 |
|                                | C-C                | 715 | 1064 | 940 | 599 | 736 | 931 | 1042 | 820 |

#### LEGEND

**C-AL** — Copper Tubing, Aluminum Fins  
**C-C** — Copper Tubing, Copper Fins

\*And associated modules.

†Contact your local Carrier representative for more information on epoxy-coated and pre-coated aluminum fins.

#### NOTES:

- Dimensions in ( ) are millimeters.
- If spring isolators are used, a perimeter support channel between the unit and the isolators is recommended.

#### RIGGING CENTER OF GRAVITY

| UNIT SIZE<br>30GTN,GTR,GUN,GUR | 130   |      | 150,230A-255A |      | 170,270A,<br>330A/B |      | 190,290A,<br>360A/B,390B |      | 210,315A,390A,<br>420A/B |      |
|--------------------------------|-------|------|---------------|------|---------------------|------|--------------------------|------|--------------------------|------|
|                                | in.   | mm   | in.           | mm   | in.                 | mm   | in.                      | mm   | in.                      | mm   |
| <b>X<br/>Dimension</b>         | 112.5 | 2858 | 112.1         | 2849 | 112.8               | 2865 | 136.0                    | 3454 | 135.6                    | 3444 |
| <b>Y<br/>Dimension</b>         | 49.9  | 1267 | 50.5          | 1283 | 50.5                | 1283 | 50.5                     | 1283 | 50.0                     | 1270 |

**Fig. 17 — Mounting Weights (Approximate); Unit Sizes 130-210, 230A-315A, 330A/B-420A/B (50 Hz)**

**Table 2A — Physical Data — 60 Hz, English**

| 30G/TN,GTR,GUN,GUR UNIT SIZE                              | 040         | 045         | 050         | 060         | 070         | 080                                    | 090              | 100              | 110              |
|-----------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|----------------------------------------|------------------|------------------|------------------|
| <b>SYSTEM MODULES</b>                                     | —           | —           | —           | —           | —           | —                                      | —                | —                | —                |
| <b>APPROX OPERATING WEIGHT (lb)</b>                       |             |             |             |             |             |                                        |                  |                  |                  |
| Cu-Al                                                     | 3550        | 3681        | 3856        | 4740        | 5028        | 6630                                   | 7015             | 8610             | 8660             |
| Cu-Cu                                                     | 3838        | 3969        | 4289        | 5157        | 5656        | 7355                                   | 7740             | 9560             | 9610             |
| <b>REFRIGERANT TYPE</b>                                   |             |             |             |             |             |                                        |                  |                  |                  |
| 30G/TN,GTR — R-22<br>Charge, Total/Over Clear Glass (lb)  |             |             |             |             |             |                                        |                  |                  |                  |
| Ckt A                                                     | 39/12       | 40/12       | 48/12       | 52/14       | 70/15       | 78/15                                  | 78/15            | 98/20            | 98/20            |
| Ckt B                                                     | 48/12       | 46/12       | 60/12       | 54/14       | 69/15       | 78/15                                  | 78/15            | 105/20           | 105/20           |
| 30GUN,GUR — R-134a<br>Charge, Total/Over Clear Glass (lb) |             |             |             |             |             |                                        |                  |                  |                  |
| Ckt A                                                     | 53/16       | 53/16       | 68/17       | 67/19       | 96/20       | 102/20                                 | 102/20           | 129/25           | 129/25           |
| Ckt B                                                     | 60/15       | 60/15       | 79/16       | 76/21       | 96/20       | 102/20                                 | 102/20           | 129/25           | 129/25           |
| <b>COMPRESSORS</b>                                        |             |             |             |             |             |                                        |                  |                  |                  |
| Speed (rpm)                                               |             |             |             |             |             |                                        |                  |                  |                  |
| 06E* (Qty) Ckt A                                          | (1) 250     | (1) 250     | (1) 265     | (1) 275     | (1) 299     | (1) 250, (1) 275                       | (1) 250, (1) 265 | (1) 265, (1) 275 | (1) 265, (1) 299 |
| (Qty) Ckt B                                               | (1) 250     | (1) 265     | (1) 275     | (1) 299     | (1) 299     | (1) 299                                | (2) 265          | (1) 265, (1) 275 | (1) 265, (1) 275 |
| Oil Charge (Compressor/pt)†                               |             |             |             |             |             |                                        |                  |                  |                  |
| No. Capacity Control Steps                                | 4           | 4           | 4           | 4           | 4           | 250/14.0, 265/19.0, 275/19.0, 299/19.0 | 11               | 11               | 11               |
| Capacity (%)                                              |             |             |             |             |             |                                        |                  |                  |                  |
| Ckt A                                                     | 50.0        | 42.4        | 47.6        | 43.3        | 50.0        | 56.0                                   | 47.0             | 50.0             | 54.0             |
| Ckt B                                                     | 50.0        | 57.6        | 52.4        | 56.7        | 50.0        | 44.0                                   | 53.0             | 50.0             | 46.0             |
| Minimum Capacity Step (%)                                 | 25.0        | 21.2        | 31.7        | 28.8        | 33.3        | 22.0                                   | 18.0             | 15.0             | 14.0             |
| <b>CONDENSER FANS</b>                                     |             |             |             |             |             |                                        |                  |                  |                  |
| Standard                                                  |             |             |             |             |             |                                        |                  |                  |                  |
| Fan Speed (rpm)                                           |             |             |             |             |             |                                        |                  |                  |                  |
| No. Blades...Dia. (in.)                                   |             |             |             |             |             |                                        |                  |                  |                  |
| No. Fans...Hp/kW (each)                                   |             |             |             |             |             |                                        |                  |                  |                  |
| Total Airflow (cfm)                                       | 4...1/0.746 | 4...1/0.746 | 4...1/0.746 | 6...1/0.746 | 6...1/0.746 | 6...1/0.746                            | 6...1/0.746      | 8...1/0.746      | 8...1/0.746      |
| High Static                                               | 35,000      | 35,000      | 34,000      | 52,000      | 51,000      | 57,000                                 | 57,000           | 76,000           | 76,000           |
| Fan Speed (rpm)                                           |             |             |             |             |             |                                        |                  |                  |                  |
| No. Blades...Dia. (in.)                                   |             |             |             |             |             |                                        |                  |                  |                  |
| No. Fans...Hp/kW (each)                                   |             |             |             |             |             |                                        |                  |                  |                  |
| Total Airflow (cfm)**                                     | 4...5/3.73  | 4...5/3.73  | 4...5/3.73  | 6...5/3.73  | 6...5/3.73  | 6...5/3.73                             | 6...5/3.73       | 8...5/3.73       | 8...5/3.73       |
| <b>CONDENSER COILS</b>                                    |             |             |             |             |             |                                        |                  |                  |                  |
| Fins/in.                                                  | 17          | 17          | 17          | 17          | 17          | 17                                     | 17               | 17               | 17               |
| No. Rows (Ckt A or B)                                     | 2           | 2           | 3           | 2           | 3           | 3                                      | 3                | 3                | 3                |
| Face Area, Ckt A and B Total (sq ft)                      | 80.5        | 80.5        | 80.5        | 116.7       | 116.7       | 128.3                                  | 128.3            | 168.0            | 168.0            |
| Max Working Pressure Refrigerant (psig)                   |             |             |             |             |             |                                        |                  |                  |                  |
| <b>COOLER</b>                                             |             |             |             |             |             |                                        |                  |                  |                  |
| Weight (empty, lb)                                        | 485         | 545         | 545         | 620         | 620         | 745                                    | 745              | 860              | 860              |
| No. Refrigerant Circuits                                  |             |             |             |             |             |                                        |                  |                  |                  |
| Net Water Volume, includes nozzles (gal.)                 | 10.9        | 13.5        | 13.5        | 18.0        | 18.0        | 24.5                                   | 24.5             | 30.3             | 30.3             |
| Max Working Pressure Refrigerant Side (psig)              | 278         | 278         | 278         | 278         | 278         | 278                                    | 278              | 278              | 278              |
| Max Working Pressure Fluid Side (psig)                    | 300         | 300         | 300         | 300         | 300         | 300                                    | 300              | 300              | 300              |
| <b>FLUID CONNECTIONS (in.)</b>                            |             |             |             |             |             |                                        |                  |                  |                  |
| Inlet and Outlet                                          | 3           | 3           | 3           | 4           | 4           | 4                                      | 4                | 5                | 5                |
| Drain (NPT)                                               |             |             |             |             |             | 3/4                                    |                  |                  |                  |

**LEGEND**

**Cu-Al** — Copper Tubing — Aluminum Fins Condenser Coil  
**Cu-Cu** — Copper Tubing — Copper Fins Condenser Coil  
**OD** — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 2A — Physical Data — 60 Hz, English (cont)**

| 30G/TN, GTR, GUN, GUR UNIT SIZE              | 130              | 150          | 170          | 190                                    | 210              | 230              | Total       |
|----------------------------------------------|------------------|--------------|--------------|----------------------------------------|------------------|------------------|-------------|
| SYSTEM MODULES                               | —                | —            | —            | —                                      | —                | B                |             |
| APPROX OPERATING WEIGHT (lb)                 |                  |              |              |                                        |                  | A                |             |
| Cu-Al                                        | 10,046           | 10,481       | 11,293       | 12,676                                 | 13,380           | 10,481           | 17,111      |
| Cu-Cu                                        | 11,318           | 11,753       | 12,565       | 14,195                                 | 14,899           | 11,753           | 19,108      |
| REFRIGERANT TYPE                             |                  |              |              |                                        |                  |                  |             |
| 30G/TN, GTR — R-22                           |                  |              |              |                                        |                  |                  |             |
| Charge, Total/Over Clear Glass (lb)          |                  |              |              |                                        |                  |                  |             |
| Ckt A                                        | 133/28           | 143/35       | 153/45       | 178/30                                 | 190/40           | 143/35           | 78/15       |
| Ckt B                                        | 137/28           | 144/35       | 162/45       | 173/30                                 | 185/40           | 144/35           | 78/15       |
| 30G/TN, GUR — R-134a                         |                  |              |              |                                        |                  |                  |             |
| Charge, Total/Over Clear Glass (lb)          |                  |              |              |                                        |                  |                  |             |
| Ckt A                                        | 162/33.5         | 162/39       | 162/46       | 190/32                                 | 190/40           | 162/39           | 102/20      |
| Ckt B                                        | 162/33.5         | 162/39       | 162/46       | 190/32                                 | 190/40           | 162/39           | 102/20      |
| COMPRESSORS                                  |                  |              |              |                                        |                  |                  |             |
| Speed (rpm)                                  |                  |              |              |                                        |                  |                  |             |
| 06E* (Qty) Ckt A                             | (1) 275, (1) 299 | (3) 265      | (3) 275      | (1) 265, (1) 275, (1) 299              | (3) 265, (1) 275 | (1) 250, (1) 275 | —/—         |
| (Qty) Ckt B                                  | (1) 275, (1) 299 | (2) 299      | (3) 275      | (1) 265, (1) 275, (1) 299              | (1) 275, (2) 299 | (2) 299          | —/—         |
| Oil Charge (Compressor/pt)†                  |                  |              |              | 250/14.0, 265/19.0, 275/19.0, 299/19.0 |                  |                  |             |
| No. Capacity Control Steps                   | 11               | 14           | 17           | 6                                      | 7                | 14               | 8           |
| Capacity (%)                                 |                  |              |              |                                        |                  |                  |             |
| Ckt A                                        | 50               | 50           | 50           | 50                                     | 50               | 50               | 56          |
| Ckt B                                        | 50               | 50           | 50           | 50                                     | 50               | 50               | 44          |
| Minimum Capacity Step (%)                    | 14               | 11           | 11           | 14                                     | 12               | 11               | 22          |
| CONDENSER FANS                               |                  |              |              |                                        |                  |                  |             |
| Standard                                     |                  |              |              |                                        |                  |                  |             |
| Fan Speed (rpm)                              | 1140             | 1140         | 1140         | 1140                                   | 1140             | 1140             | 1140        |
| No. Blades...Dia. (in.)                      | 4...30           | 4...30       | 4...30       | 4...30                                 | 4...30           | 4...30           | 4...30      |
| No. Fans...Hp/kW (each)                      | 10...1/0.746     | 10...1/0.746 | 10...1/0.746 | 12...1/0.746                           | 12...1/0.746     | 10...1/0.746     | 6...1/0.746 |
| Total Airflow (cfm)                          | 100,000          | 100,000      | 100,000      | 120,000                                | 120,000          | 100,000          | 57,000      |
| High Static                                  |                  |              |              |                                        |                  |                  |             |
| Fan Speed (rpm)                              | 1740             | 1740         | 1740         | 1740                                   | 1740             | 1740             | 1740        |
| No. Blades...Dia. (in.)                      | 12...30          | 12...30      | 12...30      | 12...30                                | 12...30          | 12...30          | 12...30     |
| No. Fans...Hp/kW (each)                      | 10...5/3.73      | 10...5/3.73  | 10...5/3.73  | 12...5/3.73                            | 12...5/3.73      | 10...5/3.73      | 6...5/3.73  |
| Total Airflow (cfm)**                        | 100,000          | 100,000      | 100,000      | 120,000                                | 120,000          | 100,000          | 60,000      |
| CONDENSER COILS                              |                  |              |              |                                        |                  |                  |             |
| Fins/in.                                     | 17               | 17           | 17           | 17                                     | 17               | 17               | 17          |
| No. Rows (Ckt A or B)                        | 3                | 3            | 3            | 3                                      | 3                | 3                | 3           |
| Face Area, Ckt A and B Total (sq ft)         | 225.1            | 225.1        | 225.1        | 268.9                                  | 268.9            | 225.1            | 128.3       |
| Max Working Pressure Refrigerant (psig)      | 450              | 450          | 450          | 450                                    | 450              | 450              | 450         |
| COOLER                                       |                  |              |              |                                        |                  |                  |             |
| Weight (empty, lb)                           | 1320             | 1320         | 1630         | 1630                                   | 1865             | 1320             | 2065        |
| No. Refrigerant Circuits                     | 2                | 2            | 2            | 2                                      | 2                | 2                | 4           |
| Net Water Volume, includes nozzles (gal.)    | 52.0             | 52.0         | 61.0         | 61.0                                   | 70.4             | 52.0             | 24.5        |
| Max Working Pressure Refrigerant Side (psig) | 278              | 278          | 278          | 278                                    | 278              | 278              | 278         |
| Max Working Pressure Fluid Side (psig)       | 300              | 300          | 300          | 300                                    | 300              | 300              | 300         |
| FLUID CONNECTIONS (in.)                      |                  |              |              |                                        |                  |                  |             |
| Inlet and Outlet                             | 6                | 6            | 6            | 6                                      | 6                | 6                | 4           |
| Drain (NPT)                                  |                  |              |              | 3/4                                    |                  |                  |             |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 2A — Physical Data — 60 Hz, English (cont)**

| 30GTN,GTR,GUN,GUR UNIT SIZE                  |  |  | 245                                                                    |                  | 255          |              | 270              |              |
|----------------------------------------------|--|--|------------------------------------------------------------------------|------------------|--------------|--------------|------------------|--------------|
| SYSTEM MODULES                               |  |  | A                                                                      | B                | Total        | A            | B                | Total        |
| APPROX OPERATING WEIGHT (lb)                 |  |  |                                                                        |                  |              |              |                  |              |
| Cu-Al                                        |  |  | 10,481                                                                 | 7015             | 17,496       | 10,481       | 8610             | 19,091       |
| Cu-Cu                                        |  |  | 11,753                                                                 | 7740             | 19,493       | 11,753       | 9560             | 21,313       |
| REFRIGERANT TYPE                             |  |  |                                                                        |                  |              |              |                  |              |
| 30GTN,GTR — R-22                             |  |  |                                                                        |                  |              |              |                  |              |
| Charge, Total/Over Clear Glass (lb)          |  |  |                                                                        |                  |              |              |                  |              |
| Ckt A                                        |  |  | 143/35                                                                 | 78/15            | —/—          | 143/35       | 98/20            | —/—          |
| Ckt B                                        |  |  | 144/35                                                                 | 78/15            | —/—          | 144/35       | 105/20           | —/—          |
| 30GUN,GUR — R-134a                           |  |  |                                                                        |                  |              |              |                  |              |
| Charge, Total/Over Clear Glass (lb)          |  |  |                                                                        |                  |              |              |                  |              |
| Ckt A                                        |  |  | 162/39                                                                 | 102/20           | —/—          | 162/39       | 129/25           | —/—          |
| Ckt B                                        |  |  | 162/39                                                                 | 102/20           | —/—          | 162/39       | 129/25           | —/—          |
| COMPRESSORS                                  |  |  | Reciprocating, Semi-Hermetic                                           |                  |              |              |                  |              |
| Speed (rpm)                                  |  |  | 1750                                                                   |                  |              |              |                  |              |
| 06E* (Qty) Ckt A                             |  |  | (3) 265                                                                | (1) 265, (1) 250 | —            | (3) 265      | (1) 265, (1) 275 | —            |
| (Qty) Ckt B                                  |  |  | (2) 299                                                                | (2) 265          | —            | (2) 299      | (1) 265, (1) 275 | —            |
| Oil Charge (Compressor/pt)†                  |  |  | 250/14.0, 265/19.0, 275/19.0, 299/19.0                                 |                  |              |              |                  |              |
| No. Capacity Control Steps                   |  |  | 14                                                                     | 11               | —            | 14           | 11               | —            |
| Capacity (%)                                 |  |  | 50                                                                     | 47               | —            | 50           | 50               | —            |
| Ckt A                                        |  |  | 50                                                                     | 53               | —            | 50           | 50               | —            |
| Ckt B                                        |  |  | 11                                                                     | 18               | —            | 11           | 15               | —            |
| Minimum Capacity Step (%)                    |  |  | Propeller, Direct Drive                                                |                  |              |              |                  |              |
| CONDENSER FANS                               |  |  |                                                                        |                  |              |              |                  |              |
| Standard                                     |  |  |                                                                        |                  |              |              |                  |              |
| Fan Speed (rpm)                              |  |  | 1140                                                                   | 1140             | —            | 1140         | 1140             | —            |
| No. Blades...Dia. (in.)                      |  |  | 4...30                                                                 | 4...30           | —            | 4...30       | 4...30           | —            |
| No. Fans...Hp/kW (each)                      |  |  | 10...1/0.746                                                           | 6...1/0.746      | 16...1/0.746 | 10...1/0.746 | 8...1/0.746      | 18...1/0.746 |
| Total Airflow (cfm)                          |  |  | 100,000                                                                | 57,000           | 157,000      | 100,000      | 76,000           | 176,000      |
| High Static                                  |  |  |                                                                        |                  |              |              |                  |              |
| Fan Speed (rpm)                              |  |  | 1740                                                                   | 1740             | —            | 1740         | 1740             | —            |
| No. Blades...Dia. (in.)                      |  |  | 12...30                                                                | 12...30          | —            | 12...30      | 12...30          | —            |
| No. Fans...Hp/kW (each)                      |  |  | 10...5/3.73                                                            | 6...5/3.73       | 16...5/3.73  | 10...5/3.73  | 8...5/3.73       | 18...5/3.73  |
| Total Airflow (cfm)**                        |  |  | 100,000                                                                | 60,000           | 160,000      | 100,000      | 80,000           | 180,000      |
| CONDENSER COILS                              |  |  | 3/8-in. OD, Vertical and Horizontal, Plate Fin, Enhanced Copper Tubing |                  |              |              |                  |              |
| Fins/in.                                     |  |  | 17                                                                     | 17               | —            | 17           | 17               | —            |
| No. Rows (Ckt A or B)                        |  |  | 3                                                                      | 3                | —            | 3            | 3                | —            |
| Face Area, Ckt A and B Total (sq ft)         |  |  | 225.1                                                                  | 128.3            | 353.4        | 225.1        | 168.0            | 393.1        |
| Max Working Pressure Refrigerant (psig)      |  |  | 450                                                                    | 450              | —            | 450          | 450              | —            |
| COOLER                                       |  |  | One Per Module...Direct Expansion, Shell and Tube                      |                  |              |              |                  |              |
| Weight (empty, lb)                           |  |  | 1320                                                                   | 745              | 2065         | 1320         | 860              | 2490         |
| No. Refrigerant Circuits                     |  |  | 2                                                                      | 2                | 4            | 2            | 2                | 4            |
| Net Water Volume, includes nozzles (gal.)    |  |  | 52.0                                                                   | 24.5             | 76.5         | 52.0         | 30.3             | 82.3         |
| Max Working Pressure Refrigerant Side (psig) |  |  | 278                                                                    | 278              | —            | 278          | 278              | —            |
| Max Working Pressure Fluid Side (psig)       |  |  | 300                                                                    | 300              | —            | 300          | 300              | —            |
| FLUID CONNECTIONS (in.)                      |  |  | Victaulic Type                                                         |                  |              |              |                  |              |
| Inlet and Outlet                             |  |  | 6                                                                      | 4                | —            | 6            | 5                | —            |
| Drain (NPT)                                  |  |  | 3/4                                                                    | 3/4              | —            | 3/4          | 3/4              | —            |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 2A — Physical Data — 60 Hz, English (cont)**

| 30GTN,GTR,GUN,GUR UNIT SIZE                  | 290                       |                  |              | 315              |                  |              | 330          |              |              |
|----------------------------------------------|---------------------------|------------------|--------------|------------------|------------------|--------------|--------------|--------------|--------------|
|                                              | A                         | B                | Total        | A                | B                | Total        | A            | B            | Total        |
| <b>SYSTEM MODULES</b>                        |                           |                  |              |                  |                  |              |              |              |              |
| <b>APPROX OPERATING WEIGHT (lb)</b>          |                           |                  |              |                  |                  |              |              |              |              |
| Cu-Al                                        | 12,676                    | 8660             | 21,336       | 13,380           | 8660             | 22,040       | 11,293       | 11,293       | 22,586       |
| Cu-Cu                                        | 14,195                    | 9610             | 23,805       | 14,899           | 9610             | 24,509       | 12,565       | 12,565       | 25,130       |
| <b>REFRIGERANT TYPE</b>                      |                           |                  |              |                  |                  |              |              |              |              |
| 30GTN,GTR — R-22                             |                           |                  |              |                  |                  |              |              |              |              |
| Charge, Total Over Clear Glass (lb)          |                           |                  |              |                  |                  |              |              |              |              |
| Ckt A                                        | 178/30                    | 98/20            | —/—          | 190/40           | 98/20            | —/—          | 153/45       | 153/45       | —/—          |
| Ckt B                                        | 173/30                    | 105/20           | —/—          | 185/40           | 105/20           | —/—          | 162/45       | 162/45       | —/—          |
| 30GUN,GUR — R-134a                           |                           |                  |              |                  |                  |              |              |              |              |
| Charge, Total Over Clear Glass (lb)          |                           |                  |              |                  |                  |              |              |              |              |
| Ckt A                                        | 190/32                    | 129/25           | —/—          | 190/40           | 129/25           | —/—          | 162/46       | 162/46       | —/—          |
| Ckt B                                        | 190/32                    | 129/25           | —/—          | 190/40           | 129/25           | —/—          | 162/46       | 162/46       | —/—          |
| <b>COMPRESSORS</b>                           |                           |                  |              |                  |                  |              |              |              |              |
| Speed (rpm)                                  |                           |                  |              |                  |                  |              |              |              |              |
| 06E* (Qty) Ckt A                             | (1) 265, (1) 275, (1) 299 | (1) 265, (1) 299 | —            | (3) 265, (1) 275 | (1) 265, (1) 299 | —            | (3) 275      | (3) 275      | —            |
| Oil Charge (Compressor/pt)†                  | (1) 265, (1) 275, (1) 299 | (1) 265, (1) 275 | —            | (1) 275, (2) 299 | (1) 265, (1) 275 | —            | (3) 275      | (3) 275      | —            |
| No. Capacity Control Steps                   | 6                         | 11               | —            | 7                | 11               | —            | 17           | 17           | —            |
| Capacity (%)                                 |                           |                  |              |                  |                  |              |              |              |              |
| Ckt A                                        | 50                        | 54               | —            | 50               | 54               | —            | 50           | 50           | —            |
| Ckt B                                        | 50                        | 46               | —            | 50               | 46               | —            | 50           | 50           | —            |
| Minimum Capacity Step (%)                    | 14                        | 14               | —            | 12               | 14               | —            | 11           | 11           | —            |
| <b>CONDENSER FANS</b>                        |                           |                  |              |                  |                  |              |              |              |              |
| Standard                                     |                           |                  |              |                  |                  |              |              |              |              |
| Fan Speed (rpm)                              | 1140                      | 1140             | —            | 1140             | 1140             | —            | 1140         | 1140         | —            |
| No. Blades...Dia. (in.)                      | 4...30                    | 4...30           | —            | 4...30           | 4...30           | —            | 4...30       | 4...30       | —            |
| No. Fans...Hp/kW (each)                      | 12...1/0.746              | 8...1/0.746      | 20...1/0.746 | 12...1/0.746     | 8...1/0.746      | 20...1/0.746 | 10...1/0.746 | 10...1/0.746 | 20...1/0.746 |
| Total Airflow (cfm)                          | 120,000                   | 76,000           | 196,000      | 120,000          | 76,000           | 196,000      | 100,000      | 100,000      | 200,000      |
| High Static                                  |                           |                  |              |                  |                  |              |              |              |              |
| Fan Speed (rpm)                              | 1740                      | 1740             | —            | 1740             | 1740             | —            | 1740         | 1740         | —            |
| No. Blades...Dia. (in.)                      | 12...30                   | 12...30          | —            | 12...30          | 12...30          | —            | 12...30      | 12...30      | —            |
| No. Fans...Hp/kW (each)                      | 12...5/3.73               | 8...5/3.73       | 20...5/3.73  | 12...5/3.73      | 8...5/3.73       | 20...5/3.73  | 10...5/3.73  | 10...5/3.73  | 20...5/3.73  |
| Total Airflow (cfm)**                        | 120,000                   | 80,000           | 200,000      | 120,000          | 80,000           | 200,000      | 100,000      | 100,000      | 200,000      |
| <b>CONDENSER COILS</b>                       |                           |                  |              |                  |                  |              |              |              |              |
| Fins/in.                                     | 17                        | 17               | —            | 17               | 17               | —            | 17           | 17           | —            |
| No. Rows (Ckt A or B)                        | 3                         | 3                | —            | 3                | 3                | —            | 3            | 3            | —            |
| Face Area, Ckt A and B Total (sq ft)         | 268.9                     | 168.0            | 436.9        | 268.9            | 168.0            | 436.9        | 225.1        | 225.1        | 450.2        |
| Max Working Pressure Refrigerant (psig)      | 450                       | 450              | —            | 450              | 450              | —            | 450          | 450          | —            |
| <b>COOLER</b>                                |                           |                  |              |                  |                  |              |              |              |              |
| Weight (empty, lb)                           | 1630                      | 860              | 2490         | 1865             | 860              | 2725         | 1630         | 1630         | 3260         |
| No. Refrigerant Circuits                     | 2                         | 2                | 4            | 2                | 2                | 4            | 2            | 2            | 4            |
| Net Water Volume, includes nozzles (gal.)    | 61.0                      | 30.3             | 91.3         | 70.4             | 30.3             | 100.7        | 61.0         | 61.0         | 122.0        |
| Max Working Pressure Refrigerant Side (psig) | 278                       | 278              | —            | 278              | 278              | —            | 278          | 278          | —            |
| Max Working Pressure Fluid Side (psig)       | 300                       | 300              | —            | 300              | 300              | —            | 300          | 300          | —            |
| <b>FLUID CONNECTIONS (in.)</b>               |                           |                  |              |                  |                  |              |              |              |              |
| Inlet and Outlet                             | 6                         | 5                | —            | 6                | 5                | —            | 6            | 6            | —            |
| Drain (NPT)                                  | 3/4                       | 3/4              | —            | 3/4              | 3/4              | —            | 3/4          | 3/4          | —            |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 2A — Physical Data — 60 Hz, English (cont)**

| 30GTN,GTR,GUN,GUR UNIT SIZE                  |  | 360                       |                           |              | 390                          |                           |              | 420              |                  |              |
|----------------------------------------------|--|---------------------------|---------------------------|--------------|------------------------------|---------------------------|--------------|------------------|------------------|--------------|
| SYSTEM MODULES                               |  | A                         | B                         | Total        | A                            | B                         | Total        | A                | B                | Total        |
| APPROX OPERATING WEIGHT (lb)                 |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Cu-Al                                        |  | 12,676                    | 12,676                    | 25,352       | 13,380                       | 12,676                    | 26,056       | 13,380           | 13,380           | 26,760       |
| Cu-Cu                                        |  | 14,195                    | 14,195                    | 28,390       | 14,899                       | 14,195                    | 29,094       | 14,899           | 14,899           | 29,798       |
| REFRIGERANT TYPE                             |  |                           |                           |              |                              |                           |              |                  |                  |              |
| 30GTN,GTR — R-22                             |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Charge, Total/Over Clear Glass (lb)          |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Ckt A                                        |  | 178/30                    | 178/30                    | —/—          | 190/40                       | 178/30                    | —/—          | 190/40           | 190/40           | —/—          |
| Ckt B                                        |  | 173/30                    | 173/30                    | —/—          | 185/40                       | 173/30                    | —/—          | 185/40           | 185/40           | —/—          |
| 30GUN,GUR — R-134a                           |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Charge, Total/Over Clear Glass (lb)          |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Ckt A                                        |  | 190/32                    | 190/32                    | —/—          | 190/40                       | 190/32                    | —/—          | 190/40           | 190/40           | —/—          |
| Ckt B                                        |  | 190/32                    | 190/32                    | —/—          | 190/40                       | 190/32                    | —/—          | 190/40           | 190/40           | —/—          |
| COMPRESSORS                                  |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Speed (rpm)                                  |  |                           |                           |              |                              |                           |              |                  |                  |              |
| 06E* (Qty) Ckt A                             |  | (1) 265, (1) 275, (1) 299 | (1) 265, (1) 275, (1) 299 | —            | (3) 265, (1) 275             | (1) 265, (1) 275, (1) 299 | —            | (3) 265, (1) 275 | (3) 265, (1) 275 | —            |
| (Qty) Ckt B                                  |  | (1) 275, (1) 299          | (1) 265, (1) 275, (1) 299 | —            | (1) 275, (2) 299             | (1) 265, (1) 275, (1) 299 | —            | (1) 275, (2) 299 | (1) 275, (2) 299 | —            |
| Oil Charge (Compressor/pt)†                  |  |                           |                           |              | 265/19.0, 275/19.0, 299/19.0 | 7                         | —            | 7                | 7                | —            |
| No. Capacity Control Steps                   |  | 6                         | 6                         | —            | 8                            | 7                         | —            | 7                | 7                | —            |
| Capacity (%)                                 |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Ckt A                                        |  | 50                        | 50                        | —            | 50                           | 50                        | —            | 50               | 50               | —            |
| Ckt B                                        |  | 50                        | 50                        | —            | 50                           | 50                        | —            | 50               | 50               | —            |
| Minimum Capacity Step (%)                    |  | 14                        | 14                        | —            | 12                           | 14                        | —            | 12               | 12               | —            |
| CONDENSER FANS                               |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Standard                                     |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Fan Speed (rpm)                              |  | 1140                      | 1140                      | —            | 1140                         | 1140                      | —            | 1140             | 1140             | —            |
| No. Blades...Dia. (in.)                      |  | 4...30                    | 4...30                    | —            | 4...30                       | 4...30                    | —            | 4...30           | 4...30           | —            |
| No. Fans...Hp/kW (each)                      |  | 12...1/0.746              | 12...1/0.746              | 24...1/0.746 | 12...1/0.746                 | 12...1/0.746              | 24...1/0.746 | 12...1/0.746     | 12...1/0.746     | 24...1/0.746 |
| Total Airflow (cfm)                          |  | 120,000                   | 120,000                   | 240,000      | 120,000                      | 120,000                   | 240,000      | 120,000          | 120,000          | 240,000      |
| High Static                                  |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Fan Speed (rpm)                              |  | 1740                      | 1740                      | —            | 1740                         | 1740                      | —            | 1740             | 1740             | —            |
| No. Blades...Dia. (in.)                      |  | 12...30                   | 12...30                   | —            | 12...30                      | 12...30                   | —            | 12...30          | 12...30          | —            |
| No. Fans...Hp/kW (each)                      |  | 12...5/3.73               | 12...5/3.73               | 24...5/3.73  | 12...5/3.73                  | 12...5/3.73               | 24...5/3.73  | 12...5/3.73      | 12...5/3.73      | 24...5/3.73  |
| Total Airflow (cfm)**                        |  | 120,000                   | 120,000                   | 240,000      | 120,000                      | 120,000                   | 240,000      | 120,000          | 120,000          | 240,000      |
| CONDENSER COILS                              |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Fins/in.                                     |  | 17                        | 17                        | —            | 17                           | 17                        | —            | 17               | 17               | —            |
| No. Rows (Ckt A or B)                        |  | 3                         | 3                         | —            | 3                            | 3                         | —            | 3                | 3                | —            |
| Face Area, Ckt A and B Total (sq ft)         |  | 268.9                     | 268.9                     | 537.8        | 268.9                        | 268.9                     | 537.8        | 268.9            | 268.9            | 537.8        |
| Max Working Pressure Refrigerant (psig)      |  | 450                       | 450                       | —            | 450                          | 450                       | —            | 450              | 450              | —            |
| COOLER                                       |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Weight (empty, lb)                           |  | 1630                      | 1630                      | 3260         | 1865                         | 1630                      | 3495         | 1865             | 1865             | 3730         |
| No. Refrigerant Circuits                     |  | 2                         | 2                         | 4            | 2                            | 2                         | 4            | 2                | 2                | 4            |
| Net Water Volume, includes nozzles (gal.)    |  | 61.0                      | 61.0                      | 122          | 70.4                         | 61.0                      | 131.4        | 70.4             | 70.4             | 140.8        |
| Max Working Pressure Refrigerant Side (psig) |  | 278                       | 278                       | —            | 278                          | 278                       | —            | 278              | 278              | —            |
| Max Working Pressure Fluid Side (psig)       |  | 300                       | 300                       | —            | 300                          | 300                       | —            | 300              | 300              | —            |
| FLUID CONNECTIONS (in.)                      |  |                           |                           |              |                              |                           |              |                  |                  |              |
| Inlet and Outlet                             |  | 6                         | 6                         | —            | 6                            | 6                         | —            | 6                | 6                | —            |
| Drain (NPT)                                  |  | 3/4                       | 3/4                       | —            | 3/4                          | 3/4                       | —            | 3/4              | 3/4              | —            |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 2B — Physical Data — 60 Hz, SI**

| 30G/TN, GTR, GUN, GUR UNIT SIZE             | 040       | 045       | 050       | 060       | 070       | 080              | 090              | 100              | 110              |
|---------------------------------------------|-----------|-----------|-----------|-----------|-----------|------------------|------------------|------------------|------------------|
| <b>SYSTEM MODULES</b>                       | —         | —         | —         | —         | —         | —                | —                | —                | —                |
| <b>APPROX OPERATING WEIGHT (kg)</b>         |           |           |           |           |           |                  |                  |                  |                  |
| Cu-Al                                       | 1610      | 1669      | 1749      | 2150      | 2280      | 3013             | 3189             | 3914             | 3935             |
| Cu-Cu                                       | 1741      | 1800      | 1945      | 2339      | 2565      | 3343             | 3518             | 4346             | 4368             |
| <b>REFRIGERANT TYPE</b>                     |           |           |           |           |           |                  |                  |                  |                  |
| 30G/TN, GTR — R-22                          |           |           |           |           |           |                  |                  |                  |                  |
| Charge, Total/Over Clear Glass (kg)         |           |           |           |           |           |                  |                  |                  |                  |
| Ckt A                                       | 17.7/5.4  | 18.1/5.4  | 21.8/5.4  | 23.6/6.3  | 31.7/6.8  | 35.4/6.8         | 35.4/6.8         | 44.5/9.1         | 44.5/9.1         |
| Ckt B                                       | 21.8/5.4  | 20.9/5.4  | 27.2/5.4  | 24.5/6.3  | 31.3/6.8  | 35.4/6.8         | 35.4/6.8         | 47.7/9.1         | 47.7/9.1         |
| 30GUN, GUR — R-134a                         |           |           |           |           |           |                  |                  |                  |                  |
| Charge, Total/Over Clear Glass (kg)         |           |           |           |           |           |                  |                  |                  |                  |
| Ckt A                                       | 24.0/7.2  | 24.0/7.2  | 30.8/7.7  | 30.4/8.6  | 43.5/9.0  | 46.3/9.0         | 46.3/9.0         | 58.5/11.5        | 48.5/11.5        |
| Ckt B                                       | 27.2/6.8  | 27.0/7.2  | 35.8/7.2  | 34.5/9.5  | 43.5/9.0  | 46.3/9.0         | 46.3/9.0         | 58.5/11.5        | 58.5/11.5        |
| <b>COMPRESSORS</b>                          |           |           |           |           |           |                  |                  |                  |                  |
| Speed (r/s)                                 |           |           |           |           |           |                  |                  |                  |                  |
| 06E* (Qty) Ckt A                            | (1) 250   | (1) 250   | (1) 265   | (1) 275   | (1) 299   | (1) 250, (1) 275 | (1) 250, (1) 265 | (1) 265, (1) 275 | (1) 265, (1) 299 |
| 06E* (Qty) Ckt B                            | (1) 250   | (1) 265   | (1) 275   | (1) 299   | (1) 299   | (1) 299          | (1) 265          | (1) 265, (1) 275 | (1) 265, (1) 275 |
| Oil Charge (Compressor/L)†                  |           |           |           |           |           |                  |                  |                  |                  |
| No. Capacity Control Steps                  | 4         | 4         | 4         | 4         | 4         | 7                | 11               | 11               | 11               |
| Capacity (%)                                |           |           |           |           |           |                  |                  |                  |                  |
| Ckt A                                       | 50.0      | 42.4      | 47.6      | 43.3      | 50.0      | 56.0             | 47.0             | 50.0             | 54.0             |
| Ckt B                                       | 50.0      | 57.6      | 52.4      | 56.7      | 50.0      | 44.0             | 53.0             | 50.0             | 46.0             |
| Minimum Capacity Step (%)                   | 25.0      | 21.2      | 31.7      | 28.8      | 33.3      | 22.0             | 18.0             | 15.0             | 14.0             |
| <b>CONDENSER FANS</b>                       |           |           |           |           |           |                  |                  |                  |                  |
| Standard                                    |           |           |           |           |           |                  |                  |                  |                  |
| Fan Speed (r/s)                             |           |           |           |           |           |                  |                  |                  |                  |
| No. Blades...Dia. (mm)                      |           |           |           |           |           |                  |                  |                  |                  |
| No. Fans...kW (each)                        | 4...0.746 | 4...0.746 | 4...0.746 | 6...0.746 | 6...0.746 | 6...0.746        | 6...0.746        | 8...0.746        | 8...0.746        |
| Total Airflow (L/s)                         | 16,517    | 16,517    | 16,045    | 25,540    | 24,068    | 26,898           | 26,898           | 35,864           | 35,864           |
| High Static                                 |           |           |           |           |           |                  |                  |                  |                  |
| Fan Speed (r/s)                             |           |           |           |           |           |                  |                  |                  |                  |
| No. Blades...Dia. (mm)                      |           |           |           |           |           |                  |                  |                  |                  |
| No. Fans...kW (each)                        | 4...3.73  | 4...3.73  | 4...3.73  | 6...3.73  | 6...3.73  | 6...3.73         | 6...3.73         | 8...3.73         | 8...3.73         |
| Total Airflow (L/s)**                       | 18,876    | 18,876    | 18,876    | 28,315    | 28,315    | 28,315           | 28,315           | 37,750           | 37,750           |
| <b>CONDENSER COILS</b>                      |           |           |           |           |           |                  |                  |                  |                  |
| Fins/in.                                    |           |           |           |           |           |                  |                  |                  |                  |
| No. Rows (Ckt A or B)                       | 669       | 669       | 669       | 669       | 669       | 669              | 669              | 669              | 669              |
| Face Area, Ckt A and B Total (sq m)         | 2         | 2         | 3         | 2         | 3         | 3                | 3                | 3                | 3                |
| Max Working Pressure Refrigerant (kPa)      | 7.48      | 7.48      | 7.48      | 10.84     | 10.84     | 11.92            | 11.92            | 15.61            | 15.61            |
| <b>COOLER</b>                               |           |           |           |           |           |                  |                  |                  |                  |
| Weight (empty, kg)                          | 220       | 248       | 248       | 282       | 282       | 338              | 338              | 391              | 391              |
| No. Refrigerant Circuits                    |           |           |           |           |           |                  |                  |                  |                  |
| Net Water Volume, includes nozzles (L)      | 41.3      | 51.1      | 51.1      | 68.1      | 68.1      | 92.7             | 92.7             | 114.7            | 114.7            |
| Max Working Pressure Refrigerant Side (kPa) | 1916      | 1916      | 1916      | 1916      | 1916      | 1916             | 1916             | 1916             | 1916             |
| Max Working Pressure Fluid Side (kPa)       | 2068      | 2068      | 2068      | 2068      | 2068      | 2068             | 2068             | 2068             | 2068             |
| <b>FLUID CONNECTIONS (in.)</b>              |           |           |           |           |           |                  |                  |                  |                  |
| Inlet and Outlet                            | 3         | 3         | 3         | 4         | 4         | 4                | 4                | 5                | 5                |
| Drain (NPT)                                 |           |           |           |           | 3/4       |                  |                  |                  |                  |

**LEGEND**

**Cu-Al** — Copper Tubing — Aluminum Fins Condenser Coil  
**Cu-Cu** — Copper Tubing — Copper Fins Condenser Coil  
**OD** — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.  
†See Controls, Operation and Troubleshooting book for recommended oil.  
\*\*Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.  
NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 2B — Physical Data — 60 Hz, SI (cont)**

| 30GTN,GTR,GUN,GUR UNIT SIZE                 |  | 130                          | 150        | 170        | 190                                | 210              | 230        |                  | Total      |
|---------------------------------------------|--|------------------------------|------------|------------|------------------------------------|------------------|------------|------------------|------------|
| SYSTEM MODULES                              |  | —                            | —          | —          | —                                  | —                | A          | B                |            |
| APPROX OPERATING WEIGHT (kg)                |  |                              |            |            |                                    |                  |            |                  |            |
| Cu-Al                                       |  | 4566                         | 4754       | 5133       | 5761                               | 6081             | 4754       | 3013             | 7747       |
| Cu-Cu                                       |  | 5144                         | 5342       | 5711       | 6452                               | 6772             | 5342       | 3343             | 8685       |
| REFRIGERANT TYPE                            |  | 2                            |            |            |                                    |                  |            |                  |            |
| 30GTN,GTR — R-22                            |  |                              |            |            |                                    |                  |            |                  |            |
| Charge, Total/Over Clear Glass (kg)         |  |                              |            |            |                                    |                  |            |                  |            |
| Ckt A                                       |  | 60.5/12.7                    | 65.0/15.9  | 69.5/20.5  | 80.9/13.6                          | 86.4/18.2        | 60.5/15.9  | 35.4/6.8         | —/—        |
| Ckt B                                       |  | 67.3/12.7                    | 65.0/15.9  | 73.6/20.5  | 78.6/13.6                          | 84.1/18.2        | 65.0/15.9  | 35.4/6.8         | —/—        |
| 30GUN,GUR — R-134a                          |  |                              |            |            |                                    |                  |            |                  |            |
| Charge, Total/Over Clear Glass (kg)         |  |                              |            |            |                                    |                  |            |                  |            |
| Ckt A                                       |  | 73.5/16.1                    | 73.5/18.0  | 73.5/21.1  | 86.2/14.8                          | 86.2/18.3        | 73.5/18.0  | 46.3/9.0         | —/—        |
| Ckt B                                       |  | 73.5/16.1                    | 73.5/18.0  | 73.5/21.1  | 86.2/14.8                          | 86.2/18.3        | 73.5/18.0  | 46.3/9.0         | —/—        |
| COMPRESSORS                                 |  | Reciprocating, Semi-Hermetic |            |            |                                    |                  |            |                  |            |
| Speed (r/s)                                 |  | 29.2                         |            |            |                                    |                  |            |                  |            |
| 06E* (Qty) Ckt A                            |  | (1) 275, (1) 299             | (3) 265    | (3) 275    | 1) 265, (1) 275, (1) 299           | (3) 265, (1) 275 | (3) 265    | (1) 250, (1) 275 | —/—        |
| (Qty) Ckt B                                 |  | (1) 275, (1) 299             | (2) 299    | (3) 275    | (1) 265, (1) 275, (1) 299          | (1) 275, (2) 299 | (2) 299    | (1) 299          | —/—        |
| Oil Charge (Compressor/L)†                  |  |                              |            |            | 250/6.6, 265/9.0, 275/9.0, 299/9.0 |                  |            |                  |            |
| No. Capacity Control Steps                  |  | 11                           | 14         | 17         | 6                                  | 7                | 14         | 8                | —          |
| Capacity (%)                                |  |                              |            |            |                                    |                  |            |                  |            |
| Ckt A                                       |  | 50                           | 50         | 50         | 50                                 | 50               | 50         | 56               | —          |
| Ckt B                                       |  | 50                           | 50         | 50         | 50                                 | 50               | 50         | 44               | —          |
| Minimum Capacity Step (%)                   |  | 14                           | 11         | 11         | 14                                 | 12               | 11         | 22               | —          |
| CONDENSER FANS                              |  | Propeller, Direct Drive      |            |            |                                    |                  |            |                  |            |
| Standard                                    |  |                              |            |            |                                    |                  |            |                  |            |
| Fan Speed (r/s)                             |  | 19.0                         | 19.0       | 19.0       | 19.0                               | 19.0             | 19.0       | 19.0             | —          |
| No. Blades...Dia. (mm)                      |  | 4...762                      | 4...762    | 4...762    | 4...762                            | 4...762          | 4...762    | 4...762          | —          |
| No. Fans...kW (each)                        |  | 10...0.746                   | 10...0.746 | 10...0.746 | 12...0.746                         | 12...0.746       | 10...0.746 | 6...0.746        | 16...0.746 |
| Total Airflow (L/s)                         |  | 47,190                       | 47,190     | 47,190     | 56,630                             | 56,630           | 47,190     | 26,898           | 74,088     |
| High Static                                 |  |                              |            |            |                                    |                  |            |                  |            |
| Fan Speed (r/s)                             |  | 29.0                         | 29.0       | 29.0       | 29.0                               | 29.0             | 29.0       | 29.0             | —          |
| No. Blades...Dia. (mm)                      |  | 12...762                     | 12...762   | 12...762   | 12...762                           | 12...762         | 12...762   | 12...762         | —          |
| No. Fans...kW (each)                        |  | 10...3.73                    | 10...3.73  | 10...3.73  | 12...3.73                          | 12...3.73        | 10...3.73  | 6...3.73         | 16...3.73  |
| Total Airflow (L/s)**                       |  | 47,190                       | 47,190     | 47,190     | 56,630                             | 56,630           | 47,190     | 28,315           | 75,505     |
| CONDENSER COILS                             |  |                              |            |            |                                    |                  |            |                  |            |
| Fins/m                                      |  | 669                          | 669        | 669        | 669                                | 669              | 669        | 669              | —          |
| No. Rows (Ckt A or B)                       |  | 3                            | 3          | 3          | 3                                  | 3                | 3          | 3                | —          |
| Face Area, Ckt A and B Total (sq m)         |  | 20.91                        | 20.91      | 20.91      | 24.98                              | 24.98            | 20.91      | 11.92            | 32.83      |
| Max Working Pressure Refrigerant (kPa)      |  | 3103                         | 3103       | 3103       | 3103                               | 3103             | 3103       | 3103             | —          |
| COOLER                                      |  |                              |            |            |                                    |                  |            |                  |            |
| Weight (empty, kg)                          |  | 600                          | 600        | 741        | 741                                | 848              | 600        | 338              | 938        |
| No. Refrigerant Circuits                    |  | 2                            | 2          | 2          | 2                                  | 2                | 2          | 2                | 4          |
| Net Water Volume, Includes nozzles (L)      |  | 196.8                        | 196.8      | 230.9      | 230.9                              | 266.5            | 196.8      | 92.7             | 290.5      |
| Max Working Pressure Refrigerant Side (kPa) |  | 1916                         | 1916       | 1916       | 1916                               | 1916             | 1916       | 1916             | —          |
| Max Working Pressure Fluid Side (kPa)       |  | 2068                         | 2068       | 2068       | 2068                               | 2068             | 2068       | 2068             | —          |
| FLUID CONNECTIONS (in.)                     |  |                              |            |            |                                    |                  |            |                  |            |
| Inlet and Outlet                            |  | 6                            | 6          | 6          | 6                                  | 6                | 6          | 4                | —          |
| Drain (NPT)                                 |  |                              |            |            | 3/4                                |                  |            |                  | —          |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 2B — Physical Data — 60 Hz, SI (cont)**

| 30G/TN, GTR, GUN, GUR UNIT SIZE                   |                  |  |            |                  |            |            |                  |            |            |                  |            |
|---------------------------------------------------|------------------|--|------------|------------------|------------|------------|------------------|------------|------------|------------------|------------|
| SYSTEM MODULES                                    |                  |  | 245        |                  |            | 255        |                  |            | 270        |                  |            |
|                                                   |                  |  | A          | B                | Total      | A          | B                | Total      | A          | B                | Total      |
| APPROX OPERATING WEIGHT (kg)                      |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Cu-Al                                             | 3189             |  | 4754       | 3189             | 7943       | 4754       | 3914             | 8668       | 5133       | 3914             | 9047       |
|                                                   | 3518             |  | 5342       | 3518             | 8860       | 5342       | 4346             | 9688       | 5711       | 4346             | 10,057     |
| Cu-Cu                                             |                  |  |            |                  |            |            |                  |            |            |                  |            |
| REFRIGERANT TYPE                                  |                  |  |            |                  |            |            |                  |            |            |                  |            |
| 30G/TN, GTR — R-22                                |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Charge, Total/Over Clear Glass (kg)               |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Ckt A                                             | 35.4/6.8         |  | 65.0/15.9  | 35.4/6.8         | —/—        | 65.0/15.9  | 44.5/9.1         | —/—        | 69.5/20.5  | 44.5/9.1         | —/—        |
|                                                   | 35.4/6.8         |  | 65.0/15.9  | 35.4/6.8         | —/—        | 65.0/15.9  | 47.7/9.1         | —/—        | 73.6/20.5  | 47.7/9.1         | —/—        |
| Ckt B                                             |                  |  |            |                  |            |            |                  |            |            |                  |            |
| 30GUN, GUR — R-134a                               |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Charge, Total/Over Clear Glass (kg)               |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Ckt A                                             | 46.3/9.0         |  | 73.5/18.0  | 46.3/9.0         | —/—        | 73.5/18.0  | 58.5/11.5        | —/—        | 73.5/21.1  | 58.5/11.5        | —/—        |
|                                                   | 46.3/9.0         |  | 73.5/18.0  | 46.3/9.0         | —/—        | 73.5/18.0  | 58.5/11.5        | —/—        | 73.5/21.1  | 58.5/11.5        | —/—        |
| Ckt B                                             |                  |  |            |                  |            |            |                  |            |            |                  |            |
| COMPRESSORS                                       |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Speed (r/s)                                       |                  |  |            |                  |            |            |                  |            |            |                  |            |
| 06E* (Qty) Ckt A                                  | (1) 265, (1) 250 |  | (3) 265    | (1) 265, (1) 250 | —          | (3) 265    | (1) 265, (1) 275 | —          | (3) 275    | (1) 265, (1) 275 | —          |
|                                                   | (2) 265          |  | (2) 299    | (2) 265          | —          | (2) 299    | (1) 265, (1) 275 | —          | (3) 275    | (1) 265, (1) 275 | —          |
| Oil Charge (Compressor/L)†                        |                  |  |            |                  |            |            |                  |            |            |                  |            |
| No. Capacity Control Steps                        |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Capacity (%)                                      | 11               |  | 14         | 11               | —          | 14         | 11               | —          | 17         | 11               | —          |
|                                                   | 11               |  | 14         | 11               | —          | 14         | 11               | —          | 17         | 11               | —          |
| Ckt A                                             | 47               |  | 50         | 47               | —          | 50         | 50               | —          | 50         | 50               | —          |
|                                                   | 53               |  | 50         | 53               | —          | 50         | 50               | —          | 50         | 50               | —          |
| Ckt B                                             | 18               |  | 11         | 18               | —          | 11         | 15               | —          | 11         | 15               | —          |
|                                                   | 18               |  | 11         | 18               | —          | 11         | 15               | —          | 11         | 15               | —          |
| Minimum Capacity Step (%)                         |                  |  |            |                  |            |            |                  |            |            |                  |            |
| CONDENSER FANS                                    |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Standard                                          |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Fan Speed (r/s)                                   |                  |  |            |                  |            |            |                  |            |            |                  |            |
| No. Blades...Dia. (mm)                            | 19.0             |  | 19.0       | 19.0             | —          | 19.0       | 19.0             | —          | 19.0       | 19.0             | —          |
|                                                   | 4...762          |  | 4...762    | 4...762          | —          | 4...762    | 4...762          | —          | 4...762    | 4...762          | —          |
| No. Fans...kW (each)                              | 10...0.746       |  | 16...0.746 | 6...0.746        | 16...0.746 | 10...0.746 | 8...0.746        | 18...0.746 | 10...0.746 | 8...0.746        | 18...0.746 |
|                                                   | 47,190           |  | 74,088     | 26,898           | 74,088     | 47,190     | 35,864           | 85,054     | 47,190     | 35,864           | 85,054     |
| Total Airflow (L/s)                               |                  |  |            |                  |            |            |                  |            |            |                  |            |
| High Static                                       | 29.0             |  | 29.0       | 29.0             | —          | 29.0       | 29.0             | —          | 29.0       | 29.0             | —          |
|                                                   | 12...762         |  | 12...762   | 12...762         | —          | 12...762   | 12...762         | —          | 12...762   | 12...762         | —          |
| No. Blades...Dia. (mm)                            | 6...3.73         |  | 16...3.73  | 6...3.73         | 16...3.73  | 10...3.73  | 8...3.73         | 18...3.73  | 10...3.73  | 8...3.73         | 18...3.73  |
|                                                   | 47,190           |  | 75,505     | 28,315           | 75,505     | 47,190     | 37,750           | 84,940     | 47,190     | 37,750           | 84,940     |
| Total Airflow (L/s)**                             |                  |  |            |                  |            |            |                  |            |            |                  |            |
| CONDENSER COILS                                   |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Fins/in.                                          |                  |  |            |                  |            |            |                  |            |            |                  |            |
| No. Rows (Ckt A or B)                             | 669              |  | 669        | 669              | —          | 669        | 669              | —          | 669        | 669              | —          |
|                                                   | 3                |  | 3          | 3                | —          | 3          | 3                | —          | 3          | 3                | —          |
| Face Area, Ckt A and B Total (sq m)               |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Max Working Pressure Refrigerant (kPa)            | 20.91            |  | 32.83      | 11.92            | 32.83      | 20.91      | 15.61            | 36.52      | 20.91      | 15.61            | 36.52      |
|                                                   | 3103             |  | 3103       | 3103             | —          | 3103       | 3103             | —          | 3103       | 3103             | —          |
| One Per Module...Direct Expansion, Shell and Tube |                  |  |            |                  |            |            |                  |            |            |                  |            |
| COOLER                                            |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Weight (empty, kg)                                |                  |  |            |                  |            |            |                  |            |            |                  |            |
| No. Refrigerant Circuits                          | 600              |  | 938        | 338              | 938        | 600        | 391              | 991        | 741        | 391              | 1132       |
|                                                   | 2                |  | 4          | 2                | 4          | 2          | 2                | 4          | 2          | 2                | 4          |
| Net Water Volume, includes nozzles (L)            |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Max Working Pressure Refrigerant Side (kPa)       | 196.8            |  | 289.5      | 92.7             | 289.5      | 196.8      | 114.7            | 311.5      | 230.9      | 114.7            | 345.6      |
|                                                   | 1916             |  | —          | 1916             | —          | 1916       | 1916             | —          | 1916       | 1916             | —          |
| Max Working Pressure Fluid Side (kPa)             | 2068             |  | —          | 2068             | —          | 2068       | 2068             | —          | 2068       | 2068             | —          |
|                                                   | 2068             |  | —          | 2068             | —          | 2068       | 2068             | —          | 2068       | 2068             | —          |
| FLUID CONNECTIONS (in.)                           |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Inlet and Outlet                                  |                  |  |            |                  |            |            |                  |            |            |                  |            |
| Drain (NPT)                                       | 6                |  | —          | 4                | —          | 6          | 5                | —          | 6          | 5                | —          |
|                                                   | 3/4              |  | —          | 3/4              | —          | 3/4        | 3/4              | —          | 3/4        | 3/4              | —          |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.  
†See Controls, Operation and Troubleshooting book for recommended oil.  
\*\*Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.  
NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 2B — Physical Data — 60 Hz, SI (cont)**

| 30GTN,GTR,GUN,GUR UNIT SIZE                 |  |  | 290       |           | 315    |           | 330       |        |
|---------------------------------------------|--|--|-----------|-----------|--------|-----------|-----------|--------|
| SYSTEM MODULES                              |  |  | A         | B         | Total  | A         | B         | Total  |
| APPROX OPERATING WEIGHT (kg)                |  |  | Total     |           | Total  |           | Total     |        |
| Cu-Al                                       |  |  | 5761      | 3935      | 9,696  | 6081      | 3935      | 10,016 |
| Cu-Cu                                       |  |  | 6452      | 4368      | 10,820 | 6772      | 4368      | 11,140 |
| REFRIGERANT TYPE                            |  |  | Total     |           | Total  |           | Total     |        |
| 30GTN,GTR — R-22                            |  |  | Total     |           | Total  |           | Total     |        |
| Charge, Total/Over Clear Glass (kg)         |  |  | Total     |           | Total  |           | Total     |        |
| Ckt A                                       |  |  | 80.9/13.6 | 44.5/9.1  | —/—    | 86.4/18.2 | 44.5/9.1  | —/—    |
| Ckt B                                       |  |  | 78.6/13.6 | 47.7/9.1  | —/—    | 84.1/18.2 | 47.7/9.1  | —/—    |
| 30GUN,GUR — R-134a                          |  |  | Total     |           | Total  |           | Total     |        |
| Charge, Total/Over Clear Glass (kg)         |  |  | Total     |           | Total  |           | Total     |        |
| Ckt A                                       |  |  | 86.2/14.8 | 58.5/11.5 | —/—    | 86.2/18.3 | 58.5/11.5 | —/—    |
| Ckt B                                       |  |  | 86.2/14.8 | 58.5/11.5 | —/—    | 86.2/18.3 | 58.5/11.5 | —/—    |
| COMPRESSORS                                 |  |  | Total     |           | Total  |           | Total     |        |
| Speed (r/s)                                 |  |  | Total     |           | Total  |           | Total     |        |
| 06E* (Qty) Ckt A                            |  |  | Total     |           | Total  |           | Total     |        |
| (Qty) Ckt B                                 |  |  | Total     |           | Total  |           | Total     |        |
| Oil Charge (Compressor/L)†                  |  |  | Total     |           | Total  |           | Total     |        |
| No. Capacity Control Steps                  |  |  | Total     |           | Total  |           | Total     |        |
| Capacity (%)                                |  |  | Total     |           | Total  |           | Total     |        |
| Ckt A                                       |  |  | Total     |           | Total  |           | Total     |        |
| Ckt B                                       |  |  | Total     |           | Total  |           | Total     |        |
| Minimum Capacity Step (%)                   |  |  | Total     |           | Total  |           | Total     |        |
| CONDENSER FANS                              |  |  | Total     |           | Total  |           | Total     |        |
| Standard                                    |  |  | Total     |           | Total  |           | Total     |        |
| Fan Speed (r/s)                             |  |  | Total     |           | Total  |           | Total     |        |
| No. Blades...Dia. (mm)                      |  |  | Total     |           | Total  |           | Total     |        |
| No. Fans...kW (each)                        |  |  | Total     |           | Total  |           | Total     |        |
| Total Airflow (L/s)                         |  |  | Total     |           | Total  |           | Total     |        |
| High Static                                 |  |  | Total     |           | Total  |           | Total     |        |
| Fan Speed (r/s)                             |  |  | Total     |           | Total  |           | Total     |        |
| No. Blades...Dia. (mm)                      |  |  | Total     |           | Total  |           | Total     |        |
| No. Fans...kW (each)                        |  |  | Total     |           | Total  |           | Total     |        |
| Total Airflow (L/s)**                       |  |  | Total     |           | Total  |           | Total     |        |
| CONDENSER COILS                             |  |  | Total     |           | Total  |           | Total     |        |
| Fins/m                                      |  |  | Total     |           | Total  |           | Total     |        |
| No. Rows (Ckt A or B)                       |  |  | Total     |           | Total  |           | Total     |        |
| Face Area, Ckt A and B Total (sq m)         |  |  | Total     |           | Total  |           | Total     |        |
| Max Working Pressure Refrigerant (kPa)      |  |  | Total     |           | Total  |           | Total     |        |
| COOLER                                      |  |  | Total     |           | Total  |           | Total     |        |
| Weight (empty, kg)                          |  |  | Total     |           | Total  |           | Total     |        |
| No. Refrigerant Circuits                    |  |  | Total     |           | Total  |           | Total     |        |
| Net Water Volume, includes nozzles (L)      |  |  | Total     |           | Total  |           | Total     |        |
| Max Working Pressure Refrigerant Side (kPa) |  |  | Total     |           | Total  |           | Total     |        |
| Max Working Pressure Fluid Side (kPa)       |  |  | Total     |           | Total  |           | Total     |        |
| FLUID CONNECTIONS (in.)                     |  |  | Total     |           | Total  |           | Total     |        |
| Inlet and Outlet                            |  |  | Total     |           | Total  |           | Total     |        |
| Drain (NPT)                                 |  |  | Total     |           | Total  |           | Total     |        |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 2B — Physical Data — 60 Hz, SI (cont)**

| 30G/TN, GTR, GUN, GUR UNIT SIZE             | 360                       |                           |            | 390              |                           |            | 420              |                  |            |
|---------------------------------------------|---------------------------|---------------------------|------------|------------------|---------------------------|------------|------------------|------------------|------------|
|                                             | A                         | B                         | Total      | A                | B                         | Total      | A                | B                | Total      |
| <b>SYSTEM MODULES</b>                       |                           |                           |            |                  |                           |            |                  |                  |            |
| <b>APPROX OPERATING WEIGHT (kg)</b>         |                           |                           |            |                  |                           |            |                  |                  |            |
| Cu-Al                                       | 5761                      | 5761                      | 11,522     | 6081             | 5761                      | 11,842     | 6081             | 6081             | 12,162     |
| Cu-Cu                                       | 6452                      | 6452                      | 12,904     | 6772             | 6452                      | 13,224     | 6772             | 6772             | 13,544     |
| <b>REFRIGERANT TYPE</b>                     |                           |                           |            |                  |                           |            |                  |                  |            |
| 30G/TN, GTR — R-22                          |                           |                           |            |                  |                           |            |                  |                  |            |
| Charge, Total/Over Clear Glass (kg)         |                           |                           |            |                  |                           |            |                  |                  |            |
| Ckt A                                       | 80.9/13.6                 | 80.9/13.6                 | —/—        | 86.4/18.2        | 80.9/13.6                 | —/—        | 86.4/18.2        | 86.4/18.2        | —/—        |
| Ckt B                                       | 78.6/13.6                 | 78.6/13.6                 | —/—        | 84.1/18.2        | 78.6/13.6                 | —/—        | 84.1/18.2        | 84.1/18.2        | —/—        |
| 30GUN, GUR — R-134a                         |                           |                           |            |                  |                           |            |                  |                  |            |
| Charge, Total/Over Clear Glass (kg)         |                           |                           |            |                  |                           |            |                  |                  |            |
| Ckt A                                       | 86.2/14.8                 | 86.2/14.8                 | —/—        | 86.2/18.3        | 86.2/14.8                 | —/—        | 86.2/18.3        | 86.2/18.3        | —/—        |
| Ckt B                                       | 86.2/14.8                 | 86.2/14.8                 | —/—        | 86.2/18.3        | 86.2/14.8                 | —/—        | 86.2/18.3        | 86.2/18.3        | —/—        |
| <b>COMPRESSORS</b>                          |                           |                           |            |                  |                           |            |                  |                  |            |
| Speed (r/s)                                 |                           |                           |            |                  |                           |            |                  |                  |            |
| 06E* (Qty) Ckt A                            | (1) 265, (1) 275, (1) 299 | (1) 265, (1) 275, (1) 299 | —          | (3) 265, (1) 275 | (1) 265, (1) 275, (1) 299 | —          | (3) 265, (1) 275 | (3) 265, (1) 275 | —          |
| (Qty) Ckt B                                 | (1) 265, (1) 275, (1) 299 | (1) 265, (1) 275, (1) 299 | —          | (1) 275, (2) 299 | (1) 265, (1) 275, (1) 299 | —          | (1) 275, (2) 299 | (1) 275, (2) 299 | —          |
| Oil Charge (Compressor/L)†                  |                           |                           |            |                  |                           |            |                  |                  |            |
| No. Capacity Control Steps                  | 6                         | 6                         | —          | 8                | 7                         | —          | 7                | 7                | —          |
| Capacity (%)                                |                           |                           |            |                  |                           |            |                  |                  |            |
| Ckt A                                       | 50                        | 50                        | —          | 50               | 50                        | —          | 50               | 50               | —          |
| Ckt B                                       | 50                        | 50                        | —          | 50               | 50                        | —          | 50               | 50               | —          |
| Minimum Capacity Step (%)                   | 14                        | 14                        | —          | 12               | 14                        | —          | 12               | 12               | —          |
| <b>CONDENSER FANS</b>                       |                           |                           |            |                  |                           |            |                  |                  |            |
| Standard                                    |                           |                           |            |                  |                           |            |                  |                  |            |
| Fan Speed (r/s)                             |                           |                           |            |                  |                           |            |                  |                  |            |
| No. Blades...Dia. (mm)                      | 19.0                      | 19.0                      | —          | 19.0             | 19.0                      | —          | 19.0             | 19.0             | —          |
| No. Fans...kW (each)                        | 4...762                   | 4...762                   | 24...0.746 | 4...762          | 4...762                   | 24...0.746 | 4...762          | 4...762          | 24...0.746 |
| Total Airflow (L/s)                         | 12...0.746                | 12...0.746                | 113,260    | 12...0.746       | 12...0.746                | 113,260    | 12...0.746       | 12...0.746       | 113,260    |
| High Static                                 |                           |                           |            |                  |                           |            |                  |                  |            |
| Fan Speed (r/s)                             | 29.0                      | 29.0                      | —          | 29.0             | 29.0                      | —          | 29.0             | 29.0             | —          |
| No. Blades...Dia. (mm)                      | 12...762                  | 12...762                  | —          | 12...762         | 12...762                  | —          | 12...762         | 12...762         | —          |
| No. Fans...kW (each)                        | 12...3.73                 | 12...3.73                 | 24...3.73  | 12...44.4        | 12...3.73                 | 24...3.73  | 12...3.73        | 12...3.73        | 24...3.73  |
| Total Airflow (L/s)**                       | 56,630                    | 56,630                    | 113,260    | 56,630           | 56,630                    | 113,260    | 56,630           | 56,630           | 113,260    |
| <b>CONDENSER COILS</b>                      |                           |                           |            |                  |                           |            |                  |                  |            |
| Fins/m                                      | 669                       | 669                       | —          | 669              | 669                       | —          | 669              | 669              | —          |
| No. Rows (Ckt A or B)                       | 3                         | 3                         | —          | 3                | 3                         | —          | 3                | 3                | —          |
| Face Area, Ckt A and B Total (sq m)         | 24.98                     | 24.98                     | 49.96      | 24.98            | 24.98                     | 49.96      | 24.98            | 24.98            | 49.96      |
| Max Working Pressure Refrigerant (kPa)      | 3103                      | 3103                      | —          | 3103             | 3103                      | —          | 3103             | 3103             | —          |
| <b>COOLER</b>                               |                           |                           |            |                  |                           |            |                  |                  |            |
| Weight (empty, kg)                          | 741                       | 741                       | 1482       | 848              | 741                       | 1589       | 848              | 848              | 1696       |
| No. Refrigerant Circuits                    | 2                         | 2                         | 4          | 2                | 2                         | 4          | 2                | 2                | 4          |
| Net Water Volume, includes nozzles (L)      | 230.9                     | 230.9                     | 461.8      | 266.5            | 230.9                     | 497.4      | 266.5            | 266.5            | 533.0      |
| Max Working Pressure Refrigerant Side (kPa) | 1916                      | 1916                      | —          | 1916             | 1916                      | —          | 1916             | 1916             | —          |
| Max Working Pressure Fluid Side (kPa)       | 2068                      | 2068                      | —          | 2068             | 2068                      | —          | 2068             | 2068             | —          |
| <b>FLUID CONNECTIONS (in.)</b>              |                           |                           |            |                  |                           |            |                  |                  |            |
| Inlet and Outlet                            | 6                         | 6                         | —          | 6                | 6                         | —          | 6                | 6                | —          |
| Drain (NPT)                                 | 3/4                       | 3/4                       | —          | 3/4              | 3/4                       | —          | 3/4              | 3/4              | —          |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.  
†See Controls, Operation and Troubleshooting book for recommended oil.  
\*\*Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.  
NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3A — Physical Data — 50 Hz, English**

| 30GTR, GTR, GUN, GUR UNIT SIZE               |  | 040         | 045         | 050         | 060         | 070              | 080              | 090              | 100              | 110         |
|----------------------------------------------|--|-------------|-------------|-------------|-------------|------------------|------------------|------------------|------------------|-------------|
| SYSTEM MODULES                               |  | —           | —           | —           | —           | —                | —                | —                | —                | —           |
| APPROX OPERATING WEIGHT (lb)                 |  |             |             |             |             |                  |                  |                  |                  |             |
| Cu-Al                                        |  | 3550        | 3736        | 3916        | 4780        | 5453             | 6720             | 7135             | 8710             | 8840        |
| Cu-Cu                                        |  | 3878        | 4024        | 4329        | 5197        | 6081             | 7445             | 7860             | 9660             | 9790        |
| REFRIGERANT TYPE                             |  |             |             |             |             |                  |                  |                  |                  |             |
| 30GTR, GTR — R-22                            |  |             |             |             |             |                  |                  |                  |                  |             |
| Charge, Total/Over Clear Glass (lb)          |  |             |             |             |             |                  |                  |                  |                  |             |
| Ckt A                                        |  | 39/12       | 40/12       | 48/12       | 52/14       | 71/15            | 78/15            | 78/15            | 98/20            | 98/20       |
| Ckt B                                        |  | 48/12       | 46/12       | 60/12       | 54/14       | 69/15            | 78/15            | 78/15            | 105/20           | 105/20      |
| 30GUN, GUR — R-134a                          |  |             |             |             |             |                  |                  |                  |                  |             |
| Charge, Total/Over Clear Glass (lb)          |  |             |             |             |             |                  |                  |                  |                  |             |
| Ckt A                                        |  | 53/16       | 53/16       | 68/17       | 67/19       | 96/20            | 102/20           | 102/20           | 129/25           | 129/25      |
| Ckt B                                        |  | 60/15       | 60/16       | 79/16       | 76/21       | 96/20            | 102/20           | 102/20           | 129/25           | 129/25      |
| COMPRESSORS                                  |  |             |             |             |             |                  |                  |                  |                  |             |
| Speed (rpm)                                  |  |             |             |             |             |                  |                  |                  |                  |             |
| 06E* (Qty) Ckt A                             |  | (1) 250     | (1) 265     | (1) 275     | (1) 299     | (1) 265, (1) 265 | (1) 265, (1) 299 | (1) 265, (1) 299 | (1) 265, (1) 299 | (2) 299     |
| Ckt B                                        |  | (1) 265     | (1) 275     | (1) 299     | (1) 299     | (1) 299          | (1) 299          | (1) 265, (1) 275 | (1) 265, (1) 299 | (2) 299     |
| Oil Charge (Compressor/pt)†                  |  |             |             |             |             |                  |                  |                  |                  |             |
| No. Capacity Control Steps                   |  | 4           | 4           | 4           | 4           | 6                | 8                | 11               | 11               | 11          |
| Capacity (%)                                 |  |             |             |             |             |                  |                  |                  |                  |             |
| Ckt A                                        |  | 42.4        | 47.6        | 43.3        | 50.0        | 58.0             | 62.0             | 54.0             | 50.0             | 50.0        |
| Ckt B                                        |  | 57.6        | 52.4        | 56.7        | 50.0        | 42.0             | 38.0             | 46.0             | 50.0             | 50.0        |
| Minimum Capacity Step (%)                    |  | 21.2        | 31.7        | 28.8        | 33.3        | 19.3             | 16.0             | 14.0             | 13.0             | 17.0        |
| CONDENSER FANS                               |  |             |             |             |             |                  |                  |                  |                  |             |
| Standard                                     |  |             |             |             |             |                  |                  |                  |                  |             |
| Fan Speed (rpm)                              |  |             |             |             |             |                  |                  |                  |                  |             |
| No. Blades...Dia. (in.)                      |  |             |             |             |             |                  |                  |                  |                  |             |
| No. Fans...Hp/kW (each)                      |  | 4...1/0.746 | 4...1/0.746 | 4...1/0.746 | 6...1/0.746 | 6...1/0.746      | 6...1/0.746      | 6...1/0.746      | 8...1/0.746      | 8...1/0.746 |
| Total Airflow (cfm)                          |  | 35,000      | 35,000      | 34,000      | 52,000      | 51,000           | 57,000           | 57,000           | 76,000           | 76,000      |
| High Static                                  |  |             |             |             |             |                  |                  |                  |                  |             |
| Fan Speed (rpm)                              |  |             |             |             |             |                  |                  |                  |                  |             |
| No. Blades...Dia. (in.)                      |  |             |             |             |             |                  |                  |                  |                  |             |
| No. Fans...Hp/kW (each)                      |  | 4...5/3.73  | 4...5/3.73  | 4...5/3.73  | 6...5/3.73  | 6...5/3.73       | 6...5/3.73       | 6...5/3.73       | 8...5/3.73       | 8...5/3.73  |
| Total Airflow (cfm)**                        |  | 40,000      | 40,000      | 40,000      | 60,000      | 60,000           | 60,000           | 60,000           | 80,000           | 80,000      |
| CONDENSER COILS                              |  |             |             |             |             |                  |                  |                  |                  |             |
| Fins/in.                                     |  | 17          | 17          | 17          | 17          | 17               | 17               | 17               | 17               | 17          |
| No. Rows (Ckt A or B)                        |  | 2           | 2           | 3           | 2           | 3                | 3                | 3                | 3                | 3           |
| Face Area, Ckt A and B Total (sq ft)         |  | 80.5        | 80.5        | 80.5        | 116.7       | 116.7            | 128.3            | 128.3            | 168.0            | 68.0        |
| Max Working Pressure Refrigerant (psig)      |  |             |             |             |             |                  |                  |                  |                  |             |
| COOLER                                       |  |             |             |             |             |                  |                  |                  |                  |             |
| Weight (empty, lb)                           |  | 485         | 545         | 545         | 620         | 620              | 745              | 745              | 860              | 860         |
| No. Refrigerant Circuits                     |  | 2           |             |             |             |                  |                  |                  |                  |             |
| Net Water Volume, Includes nozzles (gal.)    |  | 10.9        | 13.5        | 13.5        | 18.0        | 18.0             | 24.5             | 24.5             | 30.3             | 30.3        |
| Max Working Pressure Refrigerant Side (psig) |  | 278         | 278         | 278         | 278         | 278              | 278              | 278              | 278              | 278         |
| Max Working Pressure Fluid Side (psig)       |  | 300         | 300         | 300         | 300         | 300              | 300              | 300              | 300              | 300         |
| FLUID CONNECTIONS (in.)                      |  |             |             |             |             |                  |                  |                  |                  |             |
| Inlet and Outlet                             |  | 3           | 3           | 3           | 4           | 4                | 4                | 4                | 5                | 5           |
| Drain (NPT)                                  |  |             |             |             |             | 3/4              |                  |                  |                  |             |

LEGEND

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3A — Physical Data — 50 Hz, English (cont)**

| 30GTR, GTR, GUN, GUR UNIT SIZE               |  | 130                                                                    | 150          | 170              | 190                          | 210              | 230          | Total            |
|----------------------------------------------|--|------------------------------------------------------------------------|--------------|------------------|------------------------------|------------------|--------------|------------------|
| SYSTEM MODULES                               |  |                                                                        |              |                  |                              |                  |              |                  |
| APPROX OPERATING WEIGHT (lb)                 |  |                                                                        |              |                  |                              |                  |              |                  |
| Cu-Al                                        |  | 10,511                                                                 | 10,676       | 11,443           | 12,906                       | 13,545           | 10,676       | 17,396           |
| Cu-Cu                                        |  | 11,783                                                                 | 11,948       | 12,715           | 14,425                       | 15,064           | 11,948       | 19,393           |
| REFRIGERANT TYPE                             |  |                                                                        |              |                  |                              |                  |              |                  |
| 30GTR, GTR — R-22                            |  |                                                                        |              |                  |                              |                  |              |                  |
| Charge, Total/Over Clear Glass (lb)          |  |                                                                        |              |                  |                              |                  |              |                  |
| Ckt A                                        |  | 133/28                                                                 | 143/35       | 153/45           | 178/30                       | 190/40           | 143/35       | 78/15            |
| Ckt B                                        |  | 137/28                                                                 | 144/35       | 162/45           | 173/30                       | 185/40           | 144/35       | 78/15            |
| 30GUN, GUR — R-134a                          |  |                                                                        |              |                  |                              |                  |              |                  |
| Charge, Total/Over Clear Glass (lb)          |  |                                                                        |              |                  |                              |                  |              |                  |
| Ckt A                                        |  | 162/34                                                                 | 162/39       | 162/46           | 190/32                       | 190/40           | 162/39       | 102/20           |
| Ckt B                                        |  | 162/34                                                                 | 162/39       | 162/46           | 190/32                       | 190/40           | 162/39       | 102/20           |
| COMPRESSORS                                  |  | Reciprocating, Semi-Hermetic                                           |              |                  |                              |                  |              |                  |
| Speed (rpm)                                  |  | 1450                                                                   |              |                  |                              |                  |              |                  |
| 06E* (Qty) Ckt A                             |  | (1) 265, (2) 275                                                       | (3) 299      | (2) 275, (1) 299 | (3) 299                      | (2) 265, (2) 299 | (3) 299      | (1) 265, (1) 299 |
| (Qty) Ckt B                                  |  | (2) 299                                                                | (2) 299      | (1) 275, (2) 299 | (3) 299                      | (3) 299          | (2) 299      | (1) 299          |
| Oil Charge (Compressor/pt)†                  |  |                                                                        |              |                  | 265/19.0, 275/19.0, 299/19.0 |                  |              |                  |
| No. Capacity Control Steps                   |  | 14                                                                     | 14           | 17               | 7                            | 7                | 14           | 8                |
| Capacity (%)                                 |  |                                                                        |              |                  |                              |                  |              |                  |
| Ckt A                                        |  | 52                                                                     | 60           | 48               | 50                           | 52               | 60           | 62               |
| Ckt B                                        |  | 48                                                                     | 40           | 52               | 50                           | 48               | 40           | 38               |
| Minimum Capacity Step (%)                    |  | 10                                                                     | 13           | 10               | 17                           | 10               | 13           | 16               |
| CONDENSER FANS                               |  | Propeller, Direct Drive                                                |              |                  |                              |                  |              |                  |
| Standard                                     |  |                                                                        |              |                  |                              |                  |              |                  |
| Fan Speed (rpm)                              |  | 950                                                                    | 950          | 950              | 950                          | 950              | 950          | 950              |
| No. Blades...Dia. (in.)                      |  | 6...30                                                                 | 6...30       | 6...30           | 6...30                       | 6...30           | 6...30       | 6...30           |
| No. Fans...Hp/kW (each)                      |  | 10...1/0.746                                                           | 10...1/0.746 | 10...1/0.746     | 12...1/0.746                 | 12...1/0.746     | 10...1/0.746 | 16...1/0.746     |
| Total Airflow (cfm)                          |  | 100,000                                                                | 100,000      | 100,000          | 120,000                      | 120,000          | 100,000      | 157,000          |
| High Static                                  |  |                                                                        |              |                  |                              |                  |              |                  |
| Fan Speed (rpm)                              |  | 1445                                                                   | 1445         | 1445             | 1445                         | 1445             | 1445         | 1445             |
| No. Blades...Dia. (in.)                      |  | 12...30                                                                | 12...30      | 12...30          | 12...30                      | 12...30          | 12...30      | 12...30          |
| No. Fans...Hp/kW (each)                      |  | 10...5/3.73                                                            | 10...5/3.73  | 10...5/3.73      | 12...5/3.73                  | 12...5/3.73      | 10...5/3.73  | 16...5/3.73      |
| Total Airflow (cfm)**                        |  | 100,000                                                                | 100,000      | 100,000          | 120,000                      | 120,000          | 100,000      | 160,000          |
| CONDENSER COILS                              |  | 3/8-in. OD, Vertical and Horizontal, Plate Fin, Enhanced Copper Tubing |              |                  |                              |                  |              |                  |
| Fins/in.                                     |  | 17                                                                     | 17           | 17               | 17                           | 17               | 17           | 17               |
| No. Rows (Ckt A or B)                        |  | 3                                                                      | 3            | 3                | 3                            | 3                | 3            | 3                |
| Face Area, Ckt A and B Total (sq ft)         |  | 225.1                                                                  | 225.1        | 225.1            | 268.9                        | 268.9            | 225.1        | 353.4            |
| Max Working Pressure Refrigerant (psig)      |  | 450                                                                    | 450          | 450              | 450                          | 450              | 450          | 450              |
| COOLER                                       |  | One... Direct Expansion, Shell and Tube                                |              |                  |                              |                  |              |                  |
| Weight (empty, lb)                           |  | 1320                                                                   | 1320         | 1630             | 1630                         | 1865             | 1320         | 2065             |
| No. Refrigerant Circuits                     |  | 2                                                                      | 2            | 2                | 2                            | 2                | 2            | 4                |
| Net Water Volume, includes nozzles (gal.)    |  | 52.0                                                                   | 52.0         | 61.0             | 61.0                         | 70.4             | 52.0         | 76.5             |
| Max Working Pressure Refrigerant Side (psig) |  | 278                                                                    | 278          | 278              | 278                          | 278              | 278          | 278              |
| Max Working Pressure Fluid Side (psig)       |  | 300                                                                    | 300          | 300              | 300                          | 300              | 300          | 300              |
| FLUID CONNECTIONS (in.)                      |  | Victaulic Type                                                         |              |                  |                              |                  |              |                  |
| Inlet and Outlet                             |  | 6                                                                      | 6            | 6                | 6                            | 6                | 6            | 4                |
| Drain (NPT)                                  |  |                                                                        |              |                  | 3/4                          |                  |              |                  |

**LEGEND**

**Cu-Al** — Copper Tubing — Aluminum Fins Condenser Coil  
**Cu-Cu** — Copper Tubing — Copper Fins Condenser Coil  
**OD** — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3A — Physical Data, 50 Hz, English (cont)**

| 30GTN.GTR.GUN.GUR UNIT SIZE                  |  |  | 245          |                  |              | 255          |                  |              | 270              |                  |              |
|----------------------------------------------|--|--|--------------|------------------|--------------|--------------|------------------|--------------|------------------|------------------|--------------|
| SYSTEM MODULES                               |  |  | A            | B                | Total        | A            | B                | Total        | A                | B                | Total        |
| APPROX OPERATING WEIGHT (lb)                 |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Cu-Al                                        |  |  | 10,676       | 7135             | 17,811       | 10,676       | 8710             | 19,386       | 11,443           | 8710             | 20,153       |
| Cu-Cu                                        |  |  | 11,948       | 7860             | 19,808       | 11,948       | 9660             | 21,608       | 12,715           | 9660             | 22,375       |
| REFRIGERANT TYPE                             |  |  |              |                  |              |              |                  |              |                  |                  |              |
| 30GTN.GTR — R-22                             |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Charge, Total/Over Clear Glass (lb)          |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Ckt A                                        |  |  | 143/35       | 78/15            | —/—          | 143/35       | 98/20            | —/—          | 153/45           | 98/20            | —/—          |
| Ckt B                                        |  |  | 144/35       | 78/15            | —/—          | 144/35       | 105/20           | —/—          | 162/45           | 105/20           | —/—          |
| 30GUN.GUR — R-134A                           |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Charge, Total/Over Clear Glass (lb)          |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Ckt A                                        |  |  | 162/39       | 102/20           | —/—          | 162/39       | 129/25           | —/—          | 162/46           | 129/25           | —/—          |
| Ckt B                                        |  |  | 162/39       | 102/20           | —/—          | 162/39       | 129/25           | —/—          | 162/46           | 129/25           | —/—          |
| COMPRESSORS                                  |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Speed (rpm)                                  |  |  |              |                  |              |              |                  |              |                  |                  |              |
| 06E* (Qty) Ckt A                             |  |  | (3) 299      | (1) 265, (1) 299 | —            | (3) 299      | (1) 265, (1) 299 | —            | (2) 275, (1) 299 | (1) 265, (1) 299 | —            |
| 06E* (Qty) Ckt B                             |  |  | (2) 299      | (1) 265, (1) 275 | —            | (2) 299      | (1) 265, (1) 299 | —            | (1) 275, (2) 299 | (1) 265, (1) 299 | —            |
| Oil Charge (Compressor/pt)†                  |  |  |              |                  |              |              |                  |              |                  |                  |              |
| No. Capacity Control Steps                   |  |  | 14           | 11               | —            | 14           | 11               | —            | 17               | 11               | —            |
| Capacity (%)                                 |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Ckt A                                        |  |  | 60           | 54               | —            | 60           | 50               | —            | 48               | 50               | —            |
| Ckt B                                        |  |  | 40           | 46               | —            | 40           | 50               | —            | 52               | 50               | —            |
| Minimum Capacity Step (%)                    |  |  | 13           | 14               | —            | 13           | 13               | —            | 10               | 13               | —            |
| CONDENSER FANS                               |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Standard                                     |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Fan Speed (rpm)                              |  |  | 950          | 950              | —            | 950          | 950              | —            | 950              | 950              | —            |
| No. Blades...Dia. (in.)                      |  |  | 6...30       | 6...30           | —            | 6...30       | 6...30           | —            | 6...30           | 6...30           | —            |
| No. Fans...Hp/kW (each)                      |  |  | 10...1/0.746 | 6...1/0.746      | 16...1/0.746 | 10...1/0.746 | 8...1/0.746      | 18...1/0.746 | 10...1/0.746     | 8...1/0.746      | 18...1/0.746 |
| Total Airflow (cfm)                          |  |  | 100,000      | 57,000           | 157,000      | 100,000      | 76,000           | 176,000      | 100,000          | 76,000           | 176,000      |
| High Static                                  |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Fan Speed (rpm)                              |  |  | 1445         | 1445             | —            | 1445         | 1445             | —            | 1445             | 1445             | —            |
| No. Blades...Dia. (in.)                      |  |  | 12...30      | 12...30          | —            | 12...30      | 12...30          | —            | 12...30          | 12...30          | —            |
| No. Fans...Hp/kW (each)                      |  |  | 10...5/3.73  | 6...5/3.73       | 16...5/3.73  | 10...5/3.73  | 8...5/3.73       | 8...5/3.73   | 10...5/3.73      | 8...5/3.73       | 18...5/3.73  |
| Total Airflow (cfm)**                        |  |  | 100,000      | 60,000           | 160,000      | 100,000      | 80,000           | 180,000      | 100,000          | 80,000           | 180,000      |
| CONDENSER COILS                              |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Fins/in.                                     |  |  | 17           | 17               | —            | 17           | 17               | —            | 17               | 17               | —            |
| No. Rows (Ckt A or B)                        |  |  | 3            | 3                | —            | 3            | 3                | —            | 3                | 3                | —            |
| Face Area, Ckt A and B Total (sq ft)         |  |  | 225.1        | 128.3            | 353.4        | 225.1        | 168.0            | 393.1        | 225.1            | 168.0            | 393.1        |
| Max Working Pressure Refrigerant (psig)      |  |  | 450          | 450              | —            | 450          | 450              | —            | 450              | 450              | —            |
| COOLER                                       |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Weight (empty, lb)                           |  |  | 1320         | 745              | 2065         | 1320         | 860              | 2180         | 1630             | 860              | 2490         |
| No. Refrigerant Circuits                     |  |  | 2            | 2                | 4            | 2            | 2                | 4            | 2                | 2                | 4            |
| Net Water Volume, includes nozzles (gal.)    |  |  | 52.0         | 24.5             | 76.5         | 52.0         | 30.3             | 82.3         | 61.0             | 30.3             | 91.3         |
| Max Working Pressure Refrigerant Side (psig) |  |  | 278          | 278              | —            | 278          | 278              | —            | 278              | 278              | —            |
| Max Working Pressure Fluid Side (psig)       |  |  | 300          | 300              | —            | 300          | 300              | —            | 300              | 300              | —            |
| FLUID CONNECTIONS (in.)                      |  |  |              |                  |              |              |                  |              |                  |                  |              |
| Inlet and Outlet                             |  |  | 6            | 4                | —            | 6            | 5                | —            | 6                | 5                | —            |
| Drain (NPT)                                  |  |  | 3/4          | 3/4              | —            | 3/4          | 3/4              | —            | 3/4              | 3/4              | —            |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3A — Physical Data, 50 Hz, English(cont)**

| 30GTN,GTR,GUN,GUR UNIT SIZE                  |  |  |  | 315                                                                    |             |              |                  | 330         |              |                  |                  |
|----------------------------------------------|--|--|--|------------------------------------------------------------------------|-------------|--------------|------------------|-------------|--------------|------------------|------------------|
| SYSTEM MODULES                               |  |  |  | A                                                                      | B           | Total        | A                | B           | Total        | A                | B                |
| APPROX OPERATING WEIGHT (lb)                 |  |  |  |                                                                        |             |              |                  |             |              |                  |                  |
| Cu-Al                                        |  |  |  | 12,906                                                                 | 8840        | 21,746       | 13,545           | 8840        | 22,385       | 11,443           | 11,443           |
| Cu-Cu                                        |  |  |  | 14,425                                                                 | 9790        | 24,215       | 15,064           | 9790        | 24,854       | 12,715           | 12,715           |
| REFRIGERANT TYPE                             |  |  |  |                                                                        |             |              |                  |             |              |                  |                  |
| 30GTN,GTR — R-22                             |  |  |  |                                                                        |             |              |                  |             |              |                  |                  |
| Charge, Total/Over Clear Glass (lb)          |  |  |  |                                                                        |             |              |                  |             |              |                  |                  |
| Ckt A                                        |  |  |  | 178/30                                                                 | 98/20       | —/—          | 190/40           | 98/20       | —/—          | 153/45           | —/—              |
| Ckt B                                        |  |  |  | 173/30                                                                 | 105/20      | —/—          | 185/40           | 105/20      | —/—          | 162/45           | —/—              |
| 30GUN,GUR — R-134a                           |  |  |  |                                                                        |             |              |                  |             |              |                  |                  |
| Charge, Total/Over Clear Glass (lb)          |  |  |  |                                                                        |             |              |                  |             |              |                  |                  |
| Ckt A                                        |  |  |  | 190/32                                                                 | 129/25      | —/—          | 190/40           | 129/25      | —/—          | 162/46           | —/—              |
| Ckt B                                        |  |  |  | 190/32                                                                 | 129/25      | —/—          | 190/40           | 129/25      | —/—          | 162/46           | —/—              |
| COMPRESSORS                                  |  |  |  | Reciprocating, Semi-Hermetic                                           |             |              |                  |             |              |                  |                  |
| Speed (rpm)                                  |  |  |  | 1450                                                                   |             |              |                  |             |              |                  |                  |
| 06E* (Qty) Ckt A                             |  |  |  | (3) 299                                                                | (2) 299     | —            | (2) 265, (2) 299 | (2) 299     | —            | (2) 275, (1) 299 | (2) 275, (1) 299 |
| (Qty) Ckt B                                  |  |  |  | (3) 299                                                                | (2) 299     | —            | (3) 299          | (2) 299     | —            | (1) 275, (2) 299 | (1) 275, (2) 299 |
| Oil Charge (Compressor/pt)†                  |  |  |  | 265/19.0, 275/19.0, 299/19.0                                           |             |              |                  |             |              |                  |                  |
| No. Capacity Control Steps                   |  |  |  | 6                                                                      | 11          | —            | 7                | 11          | —            | 17               | 17               |
| Capacity (%)                                 |  |  |  |                                                                        |             |              |                  |             |              |                  |                  |
| Ckt A                                        |  |  |  | 50                                                                     | 50          | —            | 52               | 50          | —            | 48               | 48               |
| Ckt B                                        |  |  |  | 50                                                                     | 50          | —            | 48               | 50          | —            | 52               | 52               |
| Minimum Capacity Step (%)                    |  |  |  | 17                                                                     | 17          | —            | 10               | 17          | —            | 10               | 10               |
| CONDENSER FANS                               |  |  |  | Propeller, Direct Drive                                                |             |              |                  |             |              |                  |                  |
| Standard                                     |  |  |  |                                                                        |             |              |                  |             |              |                  |                  |
| Fan Speed (rpm)                              |  |  |  |                                                                        |             |              |                  |             |              |                  |                  |
| No. Blades...Dia. (in.)                      |  |  |  | 950                                                                    | 950         | —            | 950              | 950         | —            | 950              | 950              |
| No. Fans...Hp/kW (each)                      |  |  |  | 6...30                                                                 | 6...30      | —            | 6...30           | 6...30      | —            | 6...30           | 6...30           |
| Total Airflow (cfm)                          |  |  |  | 12...1/0.746                                                           | 8...1/0.746 | 20...1/0.746 | 12...1/0.746     | 8...1/0.746 | 20...1/0.746 | 10...1/0.746     | 10...1/0.746     |
| High Static                                  |  |  |  | 120,000                                                                | 76,000      | 196,000      | 120,000          | 76,000      | 196,000      | 100,000          | 100,000          |
| Fan Speed (rpm)                              |  |  |  | 1445                                                                   | 1445        | —            | 1445             | 1445        | —            | 1445             | 1445             |
| No. Blades...Dia. (in.)                      |  |  |  | 12...30                                                                | 12...30     | —            | 12...30          | 12...30     | —            | 12...30          | 12...30          |
| No. Fans...Hp/kW (each)                      |  |  |  | 12...5/3.73                                                            | 8...5/3.73  | 20...5/3.73  | 12...5/3.73      | 8...5/3.73  | 20...5/3.73  | 10...5/3.73      | 10...5/3.73      |
| Total Airflow (cfm)**                        |  |  |  | 120,000                                                                | 80,000      | 200,000      | 120,000          | 80,000      | 200,000      | 100,000          | 100,000          |
| CONDENSER COILS                              |  |  |  | 3/8-in. OD, Vertical and Horizontal, Plate Fin, Enhanced Copper Tubing |             |              |                  |             |              |                  |                  |
| Fins/in.                                     |  |  |  | 17                                                                     | 17          | —            | 17               | 17          | —            | 17               | 17               |
| No. Rows (Ckt A or B)                        |  |  |  | 3                                                                      | 3           | —            | 3                | 3           | —            | 3                | 3                |
| Face Area, Ckt A and B Total (sq ft)         |  |  |  | 268.9                                                                  | 168.0       | 436.9        | 268.9            | 168.0       | 436.9        | 225.1            | 225.1            |
| Max Working Pressure Refrigerant (psig)      |  |  |  | 450                                                                    | 450         | —            | 450              | 450         | —            | 450              | 450              |
| COOLER                                       |  |  |  | One Per Module... Direct Expansion, Shell and Tube                     |             |              |                  |             |              |                  |                  |
| Weight (empty, lb)                           |  |  |  | 1630                                                                   | 860         | 2490         | 1865             | 860         | 2725         | 1630             | 1630             |
| No. Refrigerant Circuits                     |  |  |  | 2                                                                      | 2           | 4            | 2                | 2           | 4            | 2                | 2                |
| Net Water Volume, includes nozzles (gal.)    |  |  |  | 61.0                                                                   | 30.3        | 91.3         | 70.4             | 30.3        | 100.7        | 61.0             | 61.0             |
| Max Working Pressure Refrigerant Side (psig) |  |  |  | 278                                                                    | 278         | —            | 278              | 278         | —            | 278              | 278              |
| Max Working Pressure Fluid Side (psig)       |  |  |  | 300                                                                    | 300         | —            | 300              | 300         | —            | 300              | 300              |
| FLUID CONNECTIONS (in.)                      |  |  |  | Victaulic Type                                                         |             |              |                  |             |              |                  |                  |
| Inlet and Outlet                             |  |  |  | 6                                                                      | 5           | —            | 6                | 5           | —            | 6                | 6                |
| Drain (NPT)                                  |  |  |  | 3/4                                                                    | 3/4         | —            | 3/4              | 3/4         | —            | 3/4              | 3/4              |

**LEGEND**

**Cu-Al** — Copper Tubing — Aluminum Fins Condenser Coil  
**Cu-Cu** — Copper Tubing — Copper Fins Condenser Coil  
**OD** — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3A — Physical Data — 50 Hz, English (cont)**

| 30GTR, GTR, GUN, GUR UNIT SIZE               | 360          |                  |              | 390                                                |                              |              | 420              |                  |              |
|----------------------------------------------|--------------|------------------|--------------|----------------------------------------------------|------------------------------|--------------|------------------|------------------|--------------|
|                                              | A            | B                | Total        | A                                                  | B                            | Total        | A                | B                | Total        |
| <b>SYSTEM MODULES</b>                        |              |                  |              |                                                    |                              |              |                  |                  |              |
| <b>APPROX OPERATING WEIGHT (lb)</b>          |              |                  |              |                                                    |                              |              |                  |                  |              |
| Cu-Al                                        | 12,906       | 11,443           | 24,349       | 13,545                                             | 12,906                       | 26,451       | 13,545           | 13,545           | 27,090       |
| Cu-Cu                                        | 14,425       | 12,715           | 27,140       | 15,064                                             | 14,425                       | 29,489       | 15,064           | 15,064           | 30,128       |
| <b>REFRIGERANT TYPE</b>                      |              |                  |              |                                                    |                              |              |                  |                  |              |
| 30GTR, GTR — R-22                            |              |                  |              |                                                    |                              |              |                  |                  |              |
| Charge, Total/Over Clear Glass (lb)          |              |                  |              |                                                    |                              |              |                  |                  |              |
| Ckt A                                        | 178/30       | 153/45           | —/—          | 190/40                                             | 178/30                       | —/—          | 190/40           | 190/40           | —/—          |
| Ckt B                                        | 173/30       | 162/45           | —/—          | 185/40                                             | 173/30                       | —/—          | 185/40           | 185/40           | —/—          |
| 30GUN, GUR — R-134a                          |              |                  |              |                                                    |                              |              |                  |                  |              |
| Charge, Total/Over Clear Glass (lb)          |              |                  |              |                                                    |                              |              |                  |                  |              |
| Ckt A                                        | 190/32       | 162/46           | —/—          | 190/40                                             | 190/32                       | —/—          | 190/40           | 190/40           | —/—          |
| Ckt B                                        | 190/32       | 162/46           | —/—          | 190/40                                             | 190/32                       | —/—          | 190/40           | 190/40           | —/—          |
| <b>COMPRESSORS</b>                           |              |                  |              |                                                    |                              |              |                  |                  |              |
| Speed (rpm)                                  |              |                  |              |                                                    |                              |              |                  |                  |              |
| 06E* (Qty) Ckt A                             | (3) 299      | (2) 275, (1) 299 | —            | (2) 265, (2) 299                                   | 1450                         | —            | (2) 265, (2) 299 | (2) 265, (2) 299 | —            |
| (Qty) Ckt B                                  | (3) 299      | (1) 275, (2) 299 | —            | (3) 299                                            | (3) 299                      | —            | (3) 299          | (3) 299          | —            |
| Oil Charge (Compressor/pt)†                  |              |                  |              |                                                    |                              |              |                  |                  |              |
| No. Capacity Control Steps                   | 6            | 17               | —            | 7                                                  | 265/19.0, 275/19.0, 299/19.0 | —            | 7                | 7                | —            |
| Capacity (%)                                 |              |                  |              |                                                    |                              |              |                  |                  |              |
| Ckt A                                        | 50           | 48               | —            | 52                                                 | 50                           | —            | 52               | 52               | —            |
| Ckt B                                        | 50           | 52               | —            | 48                                                 | 50                           | —            | 48               | 48               | —            |
| Minimum Capacity Step (%)                    | 17           | 19               | —            | 10                                                 | 17                           | —            | 10               | 10               | —            |
| <b>CONDENSER FANS</b>                        |              |                  |              |                                                    |                              |              |                  |                  |              |
| Standard                                     |              |                  |              |                                                    |                              |              |                  |                  |              |
| Fan Speed (rpm)                              | 950          | 950              | —            | 950                                                | 950                          | —            | 950              | 950              | —            |
| No. Blades...Dia. (in.)                      | 6...30       | 6...30           | —            | 6...30                                             | 6...30                       | —            | 6...30           | 6...30           | —            |
| No. Fans...Hp/kW (each)                      | 12...1/0.746 | 12...1/0.746     | 24...1/0.746 | 12...1/0.746                                       | 12...1/0.746                 | 24...1/0.746 | 12...1/0.746     | 12...1/0.746     | 24...1/0.746 |
| Total Airflow (cfm)                          | 120,000      | 100,000          | 220,000      | 120,000                                            | 120,000                      | 240,000      | 120,000          | 120,000          | 240,000      |
| High Static                                  |              |                  |              |                                                    |                              |              |                  |                  |              |
| Fan Speed (rpm)                              | 1445         | 1445             | —            | 1445                                               | 1445                         | —            | 1445             | 1445             | —            |
| No. Blades...Dia. (in.)                      | 12...30      | 12...30          | —            | 12...30                                            | 12...30                      | —            | 12...30          | 12...30          | —            |
| No. Fans...Hp/kW (each)                      | 12...5/3.73  | 12...5/3.73      | 24...5/3.73  | 12...5/3.73                                        | 12...5/3.73                  | 24...5/3.73  | 12...5/3.73      | 12...5/3.73      | 24...5/3.73  |
| Total Airflow (cfm)**                        | 120,000      | 100,000          | 220,000      | 120,000                                            | 120,000                      | 240,000      | 120,000          | 120,000          | 240,000      |
| <b>CONDENSER COILS</b>                       |              |                  |              |                                                    |                              |              |                  |                  |              |
| Fins/in.                                     | 17           | 17               | —            | 17                                                 | 17                           | —            | 17               | 17               | —            |
| No. Rows (Ckt A or B)                        | 3            | 3                | —            | 3                                                  | 3                            | —            | 3                | 3                | —            |
| Face Area, Ckt A and B Total (sq ft)         | 268.9        | 225.1            | 494.0        | 268.9                                              | 268.9                        | 537.8        | 268.9            | 268.9            | 537.8        |
| Max Working Pressure Refrigerant (psig)      | 450          | 450              | —            | 450                                                | 450                          | —            | 450              | 450              | —            |
| <b>COOLER</b>                                |              |                  |              |                                                    |                              |              |                  |                  |              |
| Weight (empty, lb)                           | 1630         | 1630             | 3260         | One Per Module... Direct Expansion, Shell and Tube | 1630                         | 3495         | 1865             | 1865             | 3730         |
| No. Refrigerant Circuits                     | 2            | 2                | 4            | 2                                                  | 2                            | 4            | 2                | 2                | 4            |
| Net Water Volume, includes nozzles (gal.)    | 61.0         | 61.0             | 122          | 70.4                                               | 61.0                         | 131.4        | 70.4             | 70.4             | 140.8        |
| Max Working Pressure Refrigerant Side (psig) | 278          | 278              | —            | 278                                                | 278                          | —            | 278              | 278              | —            |
| Max Working Pressure Fluid Side (psig)       | 300          | 300              | —            | 300                                                | 300                          | —            | 300              | 300              | —            |
| <b>FLUID CONNECTIONS (in.)</b>               |              |                  |              |                                                    |                              |              |                  |                  |              |
| Inlet and Outlet                             | 6            | 6                | —            | 6                                                  | 6                            | —            | 6                | 6                | —            |
| Drain (NPT)                                  | 3/4          | 3/4              | —            | 3/4                                                | 3/4                          | —            | 3/4              | 3/4              | —            |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

\*\*Based on rated external static pressure of 0.4 or 1.0 in. wg as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3B — Physical Data — 50 Hz, SI**

| 30G/TN,GTR,GUN,GUR UNIT SIZE            | 040       | 045       | 050       | 060       | 070                                | 080              | 090              | 100              | 110       |
|-----------------------------------------|-----------|-----------|-----------|-----------|------------------------------------|------------------|------------------|------------------|-----------|
| <b>SYSTEM MODULES</b>                   | —         | —         | —         | —         | —                                  | —                | —                | —                | —         |
| <b>APPROX OPERATING WEIGHT (kg)</b>     |           |           |           |           |                                    |                  |                  |                  |           |
| Cu-Al                                   | 1628      | 1694      | 1776      | 2168      | 2473                               | 3055             | 3243             | 3960             | 4018      |
| Cu-Cu                                   | 1759      | 1825      | 1972      | 2357      | 2758                               | 3384             | 3573             | 4390             | 4450      |
| <b>REFRIGERANT TYPE</b>                 |           |           |           |           |                                    |                  |                  |                  |           |
| 30G/TN,GTR — R-22                       |           |           |           |           |                                    |                  |                  |                  |           |
| Charge, Total/Over Clear Glass (kg)     |           |           |           |           |                                    |                  |                  |                  |           |
| Ckt A                                   | 17.7/5.4  | 18.1/5.4  | 21.8/5.4  | 23.6/6.3  | 32.2/6.8                           | 35.4/6.8         | 35.4/6.8         | 44.5/9.1         | 44.5/9.1  |
| Ckt B                                   | 21.8/5.4  | 20.9/5.4  | 27.2/5.4  | 24.5/6.3  | 31.3/6.8                           | 35.4/6.8         | 35.4/6.8         | 44.7/9.1         | 47.7/9.1  |
| 30GUN,GUR — R-134a                      |           |           |           |           |                                    |                  |                  |                  |           |
| Charge, Total/Over Clear Glass (kg)     |           |           |           |           |                                    |                  |                  |                  |           |
| Ckt A                                   | 24.0/7.2  | 24.0/7.2  | 30.8/7.7  | 30.4/8.6  | 43.5/9.0                           | 46.3/9.0         | 46.3/9.0         | 58.5/11.5        | 58.5/11.5 |
| Ckt B                                   | 27.2/6.8  | 27.0/7.2  | 35.8/7.2  | 34.5/9.5  | 43.5/9.0                           | 46.3/9.0         | 46.3/9.0         | 58.5/11.5        | 58.5/11.5 |
| <b>COMPRESSORS</b>                      |           |           |           |           |                                    |                  |                  |                  |           |
| Speed (r/s)                             |           |           |           |           |                                    |                  |                  |                  |           |
| 06E* (Qty) Ckt A                        | (1) 250   | (1) 265   | (1) 275   | (1) 299   | (1) 265, (1) 265                   | (1) 265, (1) 299 | (1) 265, (1) 299 | (1) 265, (1) 299 | (2) 299   |
| (Qty) Ckt B                             | (1) 265   | (1) 275   | (1) 299   | (1) 299   | (1) 299                            | (1) 299          | (1) 265, (1) 275 | (1) 265, (1) 299 | (2) 299   |
| Oil Charge (Compressor/L)†              |           |           |           |           |                                    |                  |                  |                  |           |
| No. Capacity Control Steps              | 4         | 4         | 4         | 4         | 250/6.6, 265/9.0, 275/9.0, 299/9.0 | 8                | 11               | 11               | 11        |
| Capacity (%)                            |           |           |           |           |                                    |                  |                  |                  |           |
| Ckt A                                   | 42.4      | 47.6      | 43.3      | 50.0      | 58.0                               | 62.0             | 54.0             | 50.0             | 50.0      |
| Ckt B                                   | 57.6      | 52.4      | 56.7      | 50.0      | 42.0                               | 38.0             | 46.0             | 50.0             | 50.0      |
| Minimum Capacity Step (%)               | 21.2      | 31.7      | 28.8      | 33.3      | 19.3                               | 16.0             | 14.0             | 13.0             | 17.0      |
| <b>CONDENSER FANS</b>                   |           |           |           |           |                                    |                  |                  |                  |           |
| Standard                                |           |           |           |           |                                    |                  |                  |                  |           |
| Fan Speed (r/s)                         |           |           |           |           |                                    |                  |                  |                  |           |
| No. Blades...Dia. (mm)                  |           |           |           |           |                                    |                  |                  |                  |           |
| No. Fans...kW (each)                    | 4...0.746 | 4...0.746 | 4...0.746 | 6...0.746 | 6...0.746                          | 6...0.746        | 6...0.746        | 8...0.746        | 8...0.746 |
| Total Airflow (L/s)                     | 16,517    | 16,517    | 16,045    | 25,540    | 24,068                             | 26,898           | 26,898           | 35,864           | 35,864    |
| High Static                             |           |           |           |           |                                    |                  |                  |                  |           |
| Fan Speed (r/s)                         |           |           |           |           |                                    |                  |                  |                  |           |
| No. Blades...Dia. (mm)                  |           |           |           |           |                                    |                  |                  |                  |           |
| No. Fans...kW (each)                    | 4...3.73  | 4...3.73  | 4...3.73  | 6...3.73  | 6...3.73                           | 6...3.73         | 6...3.73         | 8...3.73         | 8...3.73  |
| Total Airflow (L/s)**                   | 18,876    | 18,876    | 18,876    | 28,315    | 28,315                             | 28,315           | 28,315           | 37,750           | 37,750    |
| <b>CONDENSER COILS</b>                  |           |           |           |           |                                    |                  |                  |                  |           |
| Fins/in.                                | 669       | 669       | 669       | 669       | 669                                | 669              | 669              | 669              | 669       |
| No. Rows (Ckt A or B)                   | 2         | 2         | 3         | 2         | 3                                  | 3                | 3                | 3                | 3         |
| Face Area, Ckt A and B Total (sq m)     | 7.48      | 7.48      | 7.48      | 10.84     | 10.84                              | 11.92            | 11.92            | 15.61            | 15.61     |
| Max Working Pressure Refrigerant (kPa)  |           |           |           |           |                                    |                  |                  |                  |           |
| One... Direct Expansion, Shell and Tube |           |           |           |           |                                    |                  |                  |                  |           |
| 282                                     | 282       | 282       | 282       | 282       | 282                                | 282              | 282              | 282              | 282       |
| 338                                     | 338       | 338       | 338       | 338       | 338                                | 338              | 338              | 338              | 338       |
| 391                                     | 391       | 391       | 391       | 391       | 391                                | 391              | 391              | 391              | 391       |
| 413                                     | 413       | 413       | 413       | 413       | 413                                | 413              | 413              | 413              | 413       |
| 491                                     | 491       | 491       | 491       | 491       | 491                                | 491              | 491              | 491              | 491       |
| 511                                     | 511       | 511       | 511       | 511       | 511                                | 511              | 511              | 511              | 511       |
| 581                                     | 581       | 581       | 581       | 581       | 581                                | 581              | 581              | 581              | 581       |
| 681                                     | 681       | 681       | 681       | 681       | 681                                | 681              | 681              | 681              | 681       |
| 881                                     | 881       | 881       | 881       | 881       | 881                                | 881              | 881              | 881              | 881       |
| 927                                     | 927       | 927       | 927       | 927       | 927                                | 927              | 927              | 927              | 927       |
| 1916                                    | 1916      | 1916      | 1916      | 1916      | 1916                               | 1916             | 1916             | 1916             | 1916      |
| 2068                                    | 2068      | 2068      | 2068      | 2068      | 2068                               | 2068             | 2068             | 2068             | 2068      |
| <b>FLUID CONNECTIONS (in.)</b>          |           |           |           |           |                                    |                  |                  |                  |           |
| Inlet and Outlet                        | 3         | 3         | 3         | 4         | 4                                  | 4                | 4                | 5                | 5         |
| Drain (NPT)                             |           |           |           |           |                                    |                  |                  |                  |           |
| 3/4                                     | 3/4       | 3/4       | 3/4       | 3/4       | 3/4                                | 3/4              | 3/4              | 3/4              | 3/4       |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls. Operation and Troubleshooting book for recommended oil.

‡Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3B — Physical Data — 50 Hz, SI (cont)**

| 30GTR, GTR, GUN, GUR UNIT SIZE              |      | 130                                                                    | 150        | 170              | 190                       | 210              | 230        |                  |
|---------------------------------------------|------|------------------------------------------------------------------------|------------|------------------|---------------------------|------------------|------------|------------------|
| SYSTEM MODULES                              |      | —                                                                      | —          | —                | —                         | —                | A          | B                |
| APPROX OPERATING WEIGHT (kg)                |      | —                                                                      | —          | —                | —                         | —                | —          | Total            |
| Cu-Al                                       | 4778 | 4852                                                                   | 5201       | 5866             | 6156                      | 4852             | 3055       | 7907             |
|                                             | 5335 | 5430                                                                   | 5779       | 6556             | 6847                      | 5430             | 3384       | 8514             |
| REFRIGERANT TYPE                            |      |                                                                        |            |                  |                           |                  |            |                  |
| 30GTR, GTR — R-22                           |      |                                                                        |            |                  |                           |                  |            |                  |
| Charge, Total/Over Clear Glass (kg)         |      |                                                                        |            |                  |                           |                  |            |                  |
| Ckt A                                       |      | 60.5/12.7                                                              | 65.0/15.9  | 69.5/20.5        | 80.9/13.6                 | 86.4/18.2        | 60.5/15.9  | 35.4/6.8         |
| Ckt B                                       |      | 62.2/12.7                                                              | 65.0/15.9  | 73.6/20.5        | 78.6/13.6                 | 84.1/18.2        | 65.4/15.9  | 35.4/6.8         |
| 30GUN, GUR — R-134a                         |      |                                                                        |            |                  |                           |                  |            |                  |
| Charge, Total/Over Clear Glass (kg)         |      |                                                                        |            |                  |                           |                  |            |                  |
| Ckt A                                       |      | 73.5/16.1                                                              | 73.5/18.0  | 73.5/21.1        | 86.2/14.8                 | 86.2/18.3        | 73.5/18.0  | 46.3/9.0         |
| Ckt B                                       |      | 73.5/16.7                                                              | 73.5/18.0  | 73.5/21.1        | 86.2/14.8                 | 86.2/18.3        | 73.5/18.0  | 46.3/9.0         |
| COMPRESSORS                                 |      | Reciprocating, Semi-Hermetic                                           |            |                  |                           |                  |            |                  |
| Speed (r/s)                                 |      | 24.2                                                                   |            |                  |                           |                  |            |                  |
| 06E* (Qty) Ckt A                            |      | (1) 265, (2) 275                                                       | (3) 299    | (2) 275, (1) 299 | (3) 299                   | (2) 265, (2) 299 | (3) 299    | (1) 265, (1) 299 |
| (Qty) Ckt B                                 |      | (2) 299                                                                | (2) 299    | (1) 275, (2) 299 | (3) 299                   | (3) 299          | (2) 299    | (1) 299          |
| Oil Charge (Compressor/L)†                  |      | 14                                                                     | 14         | 17               | 265/9.0, 275/9.0, 299/9.0 | 8                | 14         | 8                |
| No. Capacity Control Steps                  |      | 52                                                                     | 60         | 48               | 50                        | 52               | 60         | 62               |
| Capacity (%)                                |      | 48                                                                     | 40         | 52               | 50                        | 48               | 40         | 38               |
| Ckt A                                       |      | 10                                                                     | 13         | 10               | 17                        | 10               | 13         | 16               |
| Minimum Capacity Step (%)                   |      | Propeller, Direct Drive                                                |            |                  |                           |                  |            |                  |
| CONDENSER FANS                              |      |                                                                        |            |                  |                           |                  |            |                  |
| Standard                                    |      |                                                                        |            |                  |                           |                  |            |                  |
| Fan Speed (r/s)                             |      | 15.8                                                                   | 15.8       | 15.8             | 15.8                      | 15.8             | 15.8       | 15.8             |
| No. Blades...Dia. (mm)                      |      | 6...762                                                                | 6...762    | 6...762          | 6...762                   | 6...762          | 6...762    | 6...762          |
| No. Fans...kW (each)                        |      | 10...0.746                                                             | 10...0.746 | 10...0.746       | 12...0.746                | 12...0.746       | 10...0.746 | 6...0.746        |
| Total Airflow (L/s)                         |      | 47,190                                                                 | 47,190     | 47,190           | 56,630                    | 56,630           | 47,190     | 26,898           |
| High Static                                 |      |                                                                        |            |                  |                           |                  |            |                  |
| Fan Speed (r/s)                             |      | 24.1                                                                   | 24.1       | 24.1             | 24.1                      | 24.1             | 24.1       | 24.1             |
| No. Blades...Dia. (mm)                      |      | 12...762                                                               | 12...762   | 12...762         | 12...762                  | 12...762         | 12...762   | 12...762         |
| No. Fans...kW (each)                        |      | 10...3.73                                                              | 10...3.73  | 10...3.73        | 12...3.73                 | 12...3.73        | 10...3.73  | 6...3.73         |
| Total Airflow (L/s)**                       |      | 47,190                                                                 | 47,190     | 47,190           | 56,630                    | 56,630           | 47,190     | 28,315           |
| CONDENSER COILS                             |      | 9.53 mm OD, Vertical and Horizontal, Plate Fin, Enhanced Copper Tubing |            |                  |                           |                  |            |                  |
| Fins/m                                      |      | 669                                                                    | 669        | 669              | 669                       | 669              | 669        | 669              |
| No. Rows (Ckt A or B)                       |      | 3                                                                      | 3          | 3                | 3                         | 3                | 3          | 3                |
| Face Area, Ckt A and B Total (sq m)         |      | 20.91                                                                  | 20.91      | 20.91            | 24.98                     | 24.98            | 20.91      | 11.92            |
| Max Working Pressure Refrigerant (kPa)      |      | 3103                                                                   | 3103       | 3103             | 3103                      | 3103             | 3103       | 3103             |
| COOLER                                      |      | One...Direct Expansion, Shell and Tube                                 |            |                  |                           |                  |            |                  |
| Weight (empty, kg)                          |      | 600                                                                    | 600        | 741              | 741                       | 848              | 600        | 338              |
| No. Refrigerant Circuits                    |      | 2                                                                      | 2          | 2                | 2                         | 2                | 2          | 2                |
| Net Water Volume, includes nozzles (L)      |      | 196.8                                                                  | 196.8      | 230.9            | 230.9                     | 266.5            | 196.8      | 92.7             |
| Max Working Pressure Refrigerant Side (kPa) |      | 1916                                                                   | 1916       | 1916             | 1916                      | 1916             | 1916       | 1916             |
| Max Working Pressure Fluid Side (kPa)       |      | 2068                                                                   | 2068       | 2068             | 2068                      | 2068             | 2068       | 2068             |
| FLUID CONNECTIONS (in.)                     |      | Victaulic Type                                                         |            |                  |                           |                  |            |                  |
| Inlet and Outlet                            |      | 6                                                                      | 6          | 6                | 6                         | 6                | 6          | 4                |
| Drain (NPT)                                 |      | 3/4                                                                    |            |                  |                           |                  |            |                  |

**LEGEND**

**Cu-Al** — Copper Tubing — Aluminum Fins Condenser Coil  
**Cu-Cu** — Copper Tubing — Copper Fins Condenser Coil  
**OD** — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

‡Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3B — Physical Data — 50 Hz, SI (cont)**

| 30G/TN, GTR, GUN, GUR UNIT SIZE             |  |  | 245        |                  |            | 255        |                  |            | 270              |                  |            |
|---------------------------------------------|--|--|------------|------------------|------------|------------|------------------|------------|------------------|------------------|------------|
| SYSTEM MODULES                              |  |  | A          | B                | Total      | A          | B                | Total      | A                | B                | Total      |
| APPROX OPERATING WEIGHT (kg)                |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Cu-Al                                       |  |  | 4852       | 3243             | 8095       | 4852       | 3960             | 8812       | 5201             | 3960             | 9,161      |
| Cu-Cu                                       |  |  | 5430       | 4390             | 9003       | 5430       | 4390             | 9820       | 5779             | 4390             | 10,169     |
| REFRIGERANT TYPE                            |  |  |            |                  |            |            |                  |            |                  |                  |            |
| 30G/TN, GTR — R-22                          |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Charge, Total/Over Clear Glass (kg)         |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Ckt A                                       |  |  | 65.0/15.9  | 35.4/6.8         | —/—        | 65.0/15.9  | 44.5/9.1         | —/—        | 69.5/20.5        | 44.5/9.1         | —/—        |
| Ckt B                                       |  |  | 65.4/15.9  | 35.4/6.8         | —/—        | 65.4/15.9  | 47.7/9.1         | —/—        | 73.6/20.5        | 47.7/9.1         | —/—        |
| 30GUN, GUR — R-134a                         |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Charge, Total/Over Clear Glass (kg)         |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Ckt A                                       |  |  | 73.5/18.0  | 46.3/9.0         | —/—        | 73.5/18.0  | 58.5/11.5        | —/—        | 73.5/21.1        | 58.5/11.5        | —/—        |
| Ckt B                                       |  |  | 73.5/18.0  | 46.3/9.0         | —/—        | 73.5/18.0  | 58.5/11.5        | —/—        | 73.5/21.1        | 58.5/11.5        | —/—        |
| COMPRESSORS                                 |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Speed (r/s)                                 |  |  |            |                  |            |            |                  |            |                  |                  |            |
| 06E* (Qty) Ckt A                            |  |  | (3) 299    | (1) 265, (1) 299 | —          | (3) 299    | (1) 265, (1) 299 | —          | (2) 275, (1) 299 | (1) 265, (1) 299 | —          |
| 06E* (Qty) Ckt B                            |  |  | (2) 299    | (1) 265, (1) 275 | —          | (2) 299    | (1) 265, (1) 299 | —          | (1) 275, (2) 299 | (1) 265, (1) 299 | —          |
| Oil Charge (Compressor/L)†                  |  |  |            |                  |            |            |                  |            |                  |                  |            |
| No. Capacity Control Steps                  |  |  | 14         | 11               | —          | 14         | 11               | —          | 17               | 11               | —          |
| Capacity (%)                                |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Ckt A                                       |  |  | 60         | 54               | —          | 60         | 50               | —          | 48               | 50               | —          |
| Ckt B                                       |  |  | 40         | 46               | —          | 40         | 50               | —          | 52               | 50               | —          |
| Minimum Capacity Step (%)                   |  |  | 13         | 14               | —          | 13         | 13               | —          | 10               | 13               | —          |
| CONDENSER FANS                              |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Standard                                    |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Fan Speed (r/s)                             |  |  | 15.8       | 15.8             | —          | 15.8       | 15.8             | —          | 15.8             | 15.8             | —          |
| No. Blades...Dia. (mm)                      |  |  | 6...762    | 6...762          | —          | 6...762    | 6...762          | —          | 6...762          | 6...762          | —          |
| No. Fans...kW (each)                        |  |  | 10...0.746 | 6...0.746        | 16...0.746 | 10...0.746 | 8...0.746        | 18...0.746 | 10...0.746       | 8...0.746        | 18...0.746 |
| Total Airflow (L/s)                         |  |  | 47,190     | 26,898           | 74,088     | 47,190     | 35,864           | 85,054     | 47,190           | 35,864           | 85,054     |
| High Static                                 |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Fan Speed (r/s)                             |  |  | 24.1       | 24.1             | —          | 24.1       | 24.1             | —          | 24.1             | 24.1             | —          |
| No. Blades...Dia. (mm)                      |  |  | 12...762   | 12...762         | —          | 12...762   | 12...762         | —          | 12...762         | 12...762         | —          |
| No. Fans...kW (each)                        |  |  | 10...3.73  | 6...3.73         | 16...3.73  | 10...3.73  | 8...3.73         | 18...3.73  | 10...3.73        | 8...3.73         | 18...3.73  |
| Total Airflow (L/s)**                       |  |  | 47,190     | 28,315           | 75,505     | 47,190     | 37,750           | 84,940     | 47,190           | 37,750           | 84,940     |
| CONDENSER COILS                             |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Fins/in.                                    |  |  | 669        | 669              | —          | 669        | 669              | —          | 669              | 669              | —          |
| No. Rows (Ckt A or B)                       |  |  | 3          | 3                | —          | 3          | 3                | —          | 3                | 3                | —          |
| Face Area, Ckt A and B Total (sq m)         |  |  | 20.91      | 11.92            | 32.83      | 20.91      | 15.61            | 36.52      | 20.91            | 15.61            | 36.52      |
| Max Working Pressure Refrigerant (kPa)      |  |  | 3103       | 3103             | —          | 3103       | 3103             | —          | 3103             | 3103             | —          |
| COOLER                                      |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Weight (empty, kg)                          |  |  | 600        | 338              | 938        | 600        | 391              | 991        | 741              | 391              | 1132       |
| No. Refrigerant Circuits                    |  |  | 2          | 2                | 4          | 2          | 2                | 4          | 2                | 2                | 4          |
| Net Water Volume, includes nozzles (L)      |  |  | 196.8      | 92.7             | 289.5      | 196.8      | 114.7            | 311.5      | 230.9            | 114.7            | 345.6      |
| Max Working Pressure Refrigerant Side (kPa) |  |  | 1916       | 1916             | —          | 1916       | 1916             | —          | 1916             | 1916             | —          |
| Max Working Pressure Fluid Side (kPa)       |  |  | 2068       | 2068             | —          | 2068       | 2068             | —          | 2068             | 2068             | —          |
| FLUID CONNECTIONS (in.)                     |  |  |            |                  |            |            |                  |            |                  |                  |            |
| Inlet and Outlet                            |  |  | 6          | 4                | —          | 6          | 5                | —          | 6                | 5                | —          |
| Drain (NPT)                                 |  |  | 3/4        | 3/4              | —          | 3/4        | 3/4              | —          | 3/4              | 3/4              | —          |

**LEGEND**

**Cu-Al** — Copper Tubing — Aluminum Fins Condenser Coil  
**Cu-Cu** — Copper Tubing — Copper Fins Condenser Coil  
**OD** — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

‡Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3B — Physical Data — 50 Hz, SI (cont)**

| 30GUNGTR, GUN, GUR UNIT SIZE                |  |  |  | 315                                                                    |           |            | 330              |            |            |
|---------------------------------------------|--|--|--|------------------------------------------------------------------------|-----------|------------|------------------|------------|------------|
| SYSTEM MODULES                              |  |  |  | A                                                                      | B         | Total      | A                | B          | Total      |
| APPROX OPERATING WEIGHT (kg)                |  |  |  | A                                                                      | B         | Total      | A                | B          | Total      |
| Cu-Ai                                       |  |  |  | 5866                                                                   | 4018      | 9884       | 6156             | 4018       | 10,174     |
| Cu-Cu                                       |  |  |  | 6556                                                                   | 4450      | 11,006     | 6847             | 4450       | 11,297     |
| REFRIGERANT TYPE                            |  |  |  |                                                                        |           |            |                  |            |            |
| 30GUNGTR — R-22                             |  |  |  |                                                                        |           |            |                  |            |            |
| Charge, Total/Over Clear Glass (kg)         |  |  |  |                                                                        |           |            |                  |            |            |
| Ckt A                                       |  |  |  | 80.9/13.6                                                              | 44.5/9.1  | —/—        | 86.4/18.2        | 44.5/9.1   | —/—        |
| Ckt B                                       |  |  |  | 78.6/13.6                                                              | 47.7/9.1  | —/—        | 84.1/18.2        | 47.7/9.1   | —/—        |
| 30GUNGUR — R-134a                           |  |  |  |                                                                        |           |            |                  |            |            |
| Charge, Total/Over Clear Glass (kg)         |  |  |  |                                                                        |           |            |                  |            |            |
| Ckt A                                       |  |  |  | 86.2/14.8                                                              | 58.5/11.5 | —/—        | 86.2/18.3        | 58.5/11.5  | —/—        |
| Ckt B                                       |  |  |  | 86.2/14.8                                                              | 58.5/11.5 | —/—        | 86.2/18.3        | 58.5/11.5  | —/—        |
| COMPRESSORS                                 |  |  |  | Reciprocating, Semi-Hermetic                                           |           |            |                  |            |            |
| Speed (r/s)                                 |  |  |  | 24.2                                                                   |           |            |                  |            |            |
| 06E* (Qty) Ckt A                            |  |  |  | (3) 299                                                                | (2) 299   | —          | (2) 265, (2) 299 | (2) 299    | —          |
| Ckt B                                       |  |  |  | (3) 299                                                                | (2) 299   | —          | (3) 299          | (2) 299    | —          |
| Oil Charge (Compressor/L)†                  |  |  |  | 265/9.0, 275/9.0, 299/9.0                                              |           |            |                  |            |            |
| No. Capacity Control Steps                  |  |  |  | 6                                                                      | 11        | —          | 7                | 11         | —          |
| Capacity (%)                                |  |  |  |                                                                        |           |            |                  |            |            |
| Ckt A                                       |  |  |  | 50                                                                     | 50        | —          | 52               | 50         | —          |
| Ckt B                                       |  |  |  | 50                                                                     | 50        | —          | 48               | 50         | —          |
| Minimum Capacity Step (%)                   |  |  |  | 17                                                                     | 17        | —          | 10               | 17         | —          |
| CONDENSER FANS                              |  |  |  | Propeller, Direct Drive                                                |           |            |                  |            |            |
| Standard                                    |  |  |  |                                                                        |           |            |                  |            |            |
| Fan Speed (r/s)                             |  |  |  | 15.8                                                                   | 15.8      | —          | 15.8             | 15.8       | —          |
| No. Blades...Dia. (mm)                      |  |  |  | 6...762                                                                | 6...762   | —          | 6...762          | 6...762    | —          |
| No. Fans...kW (each)                        |  |  |  | 12...0.746                                                             | 8...0.746 | 20...0.746 | 12...0.746       | 10...0.746 | 20...0.746 |
| Total Airflow (L/s)                         |  |  |  | 56,630                                                                 | 35,864    | 92,494     | 56,630           | 35,864     | 92,494     |
| High Static                                 |  |  |  |                                                                        |           |            |                  |            |            |
| Fan Speed (r/s)                             |  |  |  | 24.1                                                                   | 24.1      | —          | 24.1             | 24.1       | —          |
| No. Blades...Dia. (mm)                      |  |  |  | 12...762                                                               | 12...762  | —          | 12...762         | 12...762   | —          |
| No. Fans...kW (each)                        |  |  |  | 12...3.73                                                              | 8...3.73  | 20...3.73  | 12...3.73        | 10...3.73  | 20...3.73  |
| Total Airflow (L/s)**                       |  |  |  | 56,630                                                                 | 37,750    | 94,380     | 56,630           | 37,750     | 94,380     |
| CONDENSER COILS                             |  |  |  | 9.53 mm OD, Vertical and Horizontal, Plate Fin, Enhanced Copper Tubing |           |            |                  |            |            |
| Fins/m                                      |  |  |  | 669                                                                    | 669       | —          | 669              | 669        | —          |
| No. Rows (Ckt A or B)                       |  |  |  | 3                                                                      | 3         | —          | 3                | 3          | —          |
| Face Area, Ckt A and B Total (sq m)         |  |  |  | 24.98                                                                  | 15.61     | 40.59      | 24.98            | 15.61      | 40.59      |
| Max Working Pressure Refrigerant (kPa)      |  |  |  | 3103                                                                   | 3103      | —          | 3103             | 3103       | —          |
| COOLER                                      |  |  |  | One Per Module...Direct Expansion, Shell and Tube                      |           |            |                  |            |            |
| Weight (empty, kg)                          |  |  |  | 741                                                                    | 391       | 1132       | 848              | 391        | 1239       |
| No. Refrigerant Circuits                    |  |  |  | 2                                                                      | 2         | 4          | 2                | 2          | 4          |
| Net Water Volume, includes nozzles (L)      |  |  |  | 230.9                                                                  | 114.7     | 345.6      | 266.5            | 114.7      | 381.2      |
| Max Working Pressure Refrigerant Side (kPa) |  |  |  | 1916                                                                   | 1916      | —          | 1916             | 1916       | —          |
| Max Working Pressure Fluid Side (kPa)       |  |  |  | 2068                                                                   | 2068      | —          | 2068             | 2068       | —          |
| FLUID CONNECTIONS (in.)                     |  |  |  | Victaulic Type                                                         |           |            |                  |            |            |
| Inlet and Outlet                            |  |  |  | 6                                                                      | 5         | —          | 6                | 5          | —          |
| Drain (NPT)                                 |  |  |  | 3/4                                                                    | 3/4       | —          | 3/4              | 3/4        | —          |

**LEGEND**

Cu-AI — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

‡Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Table 3B — Physical Data — 50 Hz, SI (cont)**

| 30GTN,GTR,GUN,GUR UNIT SIZE                 |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
|---------------------------------------------|-------------|--|---------------------------------------------------------------------|------------------|------------|------------------|------------|------------|------------------|------------------|------------|--|--|
| SYSTEM MODULES                              |             |  | 360                                                                 |                  |            | 390              |            |            | 420              |                  |            |  |  |
|                                             |             |  | A                                                                   | B                | Total      | A                | B          | Total      | A                | B                | Total      |  |  |
| APPROX OPERATING WEIGHT (kg)                |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| Cu-Al                                       | Cu-Cu       |  | 5866                                                                | 5201             | 11,067     | 6156             | 5866       | 12,022     | 6156             | 6156             | 12,312     |  |  |
|                                             |             |  | 6556                                                                | 5779             | 12,335     | 6847             | 6556       | 13,403     | 6847             | 6847             | 13,694     |  |  |
| 2                                           |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| REFRIGERANT TYPE                            |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| 30GTN,GTR — R-22                            |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| Charge, Total/Over Clear Glass (kg)         |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| Ckt A                                       | Ckt B       |  | 80.9/13.6                                                           | 80.9/13.6        | —/—        | 86.4/18.2        | 80.9/13.6  | —/—        | 86.4/18.2        | 86.4/18.2        | —/—        |  |  |
|                                             |             |  | 78.6/13.6                                                           | 73.6/13.6        | —/—        | 84.1/18.2        | 78.6/13.6  | —/—        | 84.1/18.2        | 84.1/18.2        | —/—        |  |  |
| 30GUN,GUR — R-134a                          |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| Charge, Total/Over Clear Glass (kg)         |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| Ckt A                                       | Ckt B       |  | 86.2/14.8                                                           | 73.5/21.1        | —/—        | 86.2/18.3        | 86.2/14.8  | —/—        | 86.2/18.3        | 86.2/18.3        | —/—        |  |  |
|                                             |             |  | 86.2/14.8                                                           | 73.5/21.1        | —/—        | 86.2/18.3        | 86.2/14.8  | —/—        | 86.2/18.3        | 86.2/18.3        | —/—        |  |  |
| COMPRESSORS                                 |             |  | Reciprocating, Semi-Hermetic                                        |                  |            |                  |            |            |                  |                  |            |  |  |
| Speed (r/s)                                 |             |  | 24.2                                                                |                  |            |                  |            |            |                  |                  |            |  |  |
| 06E* (Qty) Ckt A                            | (Qty) Ckt B |  | (3) 299                                                             | (2) 275, (1) 299 | —          | (2) 265, (2) 299 | (3) 299    | —          | (2) 265, (2) 299 | (2) 265, (2) 299 | —          |  |  |
|                                             |             |  | (3) 299                                                             | (1) 275, (2) 299 | —          | (3) 299          | (3) 299    | —          | (3) 299          | (3) 299          | —          |  |  |
| Oil Charge (Compressor/L)†                  |             |  | 265/9.0, 275/9.0, 299/9.0                                           |                  |            |                  |            |            |                  |                  |            |  |  |
| No. Capacity Control Steps                  |             |  | 6                                                                   | 17               | —          | 7                | 6          | —          | 7                | 7                | —          |  |  |
| Capacity (%)                                |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| Ckt A                                       | Ckt B       |  | 50                                                                  | 48               | —          | 52               | 50         | —          | 52               | 52               | —          |  |  |
|                                             |             |  | 50                                                                  | 52               | —          | 48               | 50         | —          | 48               | 48               | —          |  |  |
| Minimum Capacity Step (%)                   |             |  | 17                                                                  | 19               | —          | 10               | 17         | —          | 10               | 10               | —          |  |  |
| CONDENSER FANS                              |             |  | Propeller, Direct Drive                                             |                  |            |                  |            |            |                  |                  |            |  |  |
| Standard                                    |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| Fan Speed (r/s)                             |             |  | 15.8                                                                | 15.8             | —          | 15.8             | 15.8       | —          | 15.8             | 15.8             | —          |  |  |
| No. Blades...Dia. (mm)                      |             |  | 6...762                                                             | 6...762          | —          | 6...762          | 6...762    | —          | 6...762          | 6...762          | —          |  |  |
| No. Fans...kW (each)                        |             |  | 12...0.746                                                          | 12...0.746       | 24...0.746 | 12...0.746       | 12...0.746 | 24...0.746 | 12...0.746       | 12...0.746       | 24...0.746 |  |  |
| Total Airflow (L/s)                         |             |  | 56,630                                                              | 47,190           | 103,820    | 56,630           | 56,630     | 113,260    | 56,630           | 56,630           | 113,260    |  |  |
| High Static                                 |             |  |                                                                     |                  |            |                  |            |            |                  |                  |            |  |  |
| Fan Speed (r/s)                             |             |  | 24.1                                                                | 24.1             | —          | 24.1             | 24.1       | —          | 24.1             | 24.1             | —          |  |  |
| No. Blades...Dia. (mm)                      |             |  | 12...762                                                            | 12...762         | —          | 12...762         | 12...762   | —          | 12...762         | 12...762         | —          |  |  |
| No. Fans...kW (each)                        |             |  | 12...3.73                                                           | 12...3.73        | 24...3.73  | 12...3.73        | 12...3.73  | 24...3.73  | 12...3.73        | 12...3.73        | 24...3.73  |  |  |
| Total Airflow (L/s)**                       |             |  | 56,630                                                              | 47,190           | 103,820    | 56,630           | 56,630     | 113,260    | 56,630           | 56,630           | 113,260    |  |  |
| CONDENSER COILS                             |             |  | 9.53 OD, Vertical and Horizontal, Plate Fin, Enhanced Copper Tubing |                  |            |                  |            |            |                  |                  |            |  |  |
| Fins/m                                      |             |  | 669                                                                 | 669              | —          | 669              | 669        | —          | 669              | 669              | —          |  |  |
| No. Rows (Ckt A or B)                       |             |  | 3                                                                   | 3                | —          | 3                | 3          | —          | 3                | 3                | —          |  |  |
| Face Area, Ckt A and B Total (sq m)         |             |  | 24.98                                                               | 20.91            | 45.89      | 24.98            | 24.98      | 49.96      | 24.98            | 24.98            | 49.96      |  |  |
| Max Working Pressure Refrigerant (kPa)      |             |  | 3103                                                                | 3103             | —          | 3103             | 3103       | —          | 3103             | 3103             | —          |  |  |
| COOLER                                      |             |  | One Per Module...Direct Expansion, Shell and Tube                   |                  |            |                  |            |            |                  |                  |            |  |  |
| Weight (empty, kg)                          |             |  | 741                                                                 | 741              | 1482       | 848              | 741        | 1589       | 848              | 848              | 1696       |  |  |
| No. Refrigerant Circuits                    |             |  | 2                                                                   | 2                | 4          | 2                | 2          | 4          | 2                | 2                | 4          |  |  |
| Net Water Volume, includes nozzles (L)      |             |  | 230.9                                                               | 230.9            | 461.8      | 266.5            | 230.9      | 497.4      | 266.5            | 266.5            | 533.0      |  |  |
| Max Working Pressure Refrigerant Side (kPa) |             |  | 1916                                                                | 1916             | —          | 1916             | 1916       | —          | 1916             | 1916             | —          |  |  |
| Max Working Pressure Fluid Side (kPa)       |             |  | 2068                                                                | 2068             | —          | 2068             | 2068       | —          | 2068             | 2068             | —          |  |  |
| FLUID CONNECTIONS (in.)                     |             |  | Victaulic Type                                                      |                  |            |                  |            |            |                  |                  |            |  |  |
| Inlet and Outlet                            |             |  | 6                                                                   | 6                | —          | 6                | 6          | —          | 6                | 6                | —          |  |  |
| Drain (NPT)                                 |             |  | 3/4                                                                 | 3/4              | —          | 3/4              | 3/4        | —          | 3/4              | 3/4              | —          |  |  |

**LEGEND**

Cu-Al — Copper Tubing — Aluminum Fins Condenser Coil  
Cu-Cu — Copper Tubing — Copper Fins Condenser Coil  
OD — Outside Diameter

\*06E250 compressors have 4 cylinders; all others have 6.

†See Controls, Operation and Troubleshooting book for recommended oil.

‡Based on rated external static pressure of 100 Pa or 250 Pa as appropriate.

NOTE: Facing the compressors, Circuit A is on the right and Circuit B is on the left.

**Step 2 — Join Modules A and B (230-420 Units Only)** — If accessory trim kit has been purchased to join the modules together, install it now. Refer to accessory installation instructions for installation details.

**Step 3 — Check Compressor Mounting** — All compressors for size 040-070 units are mounted on pans and are held down by 4 bolts during shipment. After the unit is installed, loosen each of these bolts until flat washer can be moved with finger pressure. Compressors are mounted on rails for size 080-420 units. Each rail is mounted on springs (one at each end, and one between each compressor) when applicable. For shipping, the rails are secured to the frame base at each support. Before start-up, loosen the hold-down bolts so that the compressor rails float freely. See Fig. 18-21 for views of compressor mounting.

### ⚠ CAUTION

Do not remove angle brace spanning the tops of the compressors (if installed) on size 080-420 units. Removal of angle brace may result in line breakage.

**Step 4 — Cooler Fluid and Drain Piping Connections** — When facing cooler side of unit, inlet (return) fluid connection is on the right. It is required that a screen strainer with a minimum size of 20 mesh be installed ahead of the cooler inlet to prevent debris from damaging internal tubes of cooler. Outlet (supply) fluid connection is on the left. The cooler has fluid-side Victaulic-type connections (follow connection directions as provided by the coupling manufacturer). If compressor and cooler grilles have been added, holes must be cut in grilles for field piping and insulation.

**IMPORTANT:** Installation of a cooler flow switch is strongly recommended to prevent potential system damage due to loss of fluid flow. Connect flow switch to TB5-1 and TB5-2.

**NOTE:** For 130-210 and associated modular units (see Table 1), be sure that cooler piping does not interfere with the electrical connections.

Although cooler has an air vent, it is recommended that field-supplied air vents be installed in system to facilitate servicing. Field-supplied shut-off valves should also be installed to facilitate servicing and flow balancing. Locate valves in return and supply cooler fluid lines as close to the chiller as possible. Locate air vents at highest point of the cooler fluid system.

**IMPORTANT:** Before starting unit, be sure all of the air has been purged from the system.

Upon completion of the field piping installation, in areas where the piping is exposed to 32 F (0° C) or lower ambient temperatures, freeze-up protection is recommended using inhibited ethylene glycol or other suitable corrosion-inhibited anti-freeze solution and electric heater tapes. Heater tapes should have a rating for area ambient temperatures and should be covered with a suitable thickness of closed-cell insulation. Route power for the heater tapes from a separate fused disconnect. Mount the disconnect within sight from the unit per NEC or local codes. Label disconnect as heater tape power source with warning that power must not be turned off except when servicing the unit.

**IMPORTANT:** Glycol anti-freeze solutions are highly recommended since heater tapes provide no protection in the event of a power failure.

A drain connection is located at leaving fluid (supply) end of cooler. See Fig. 1-13 for connection location.

**PREPARATION FOR YEAR-ROUND OPERATION** — If unit is to operate all year, add sufficient inhibited ethylene glycol or other suitable corrosion-inhibited anti-freeze solution to the cooler fluid to prevent freeze-up under cold operating conditions. Consult local water authority on characteristics of area water and a recommended inhibitor for the cooler fluid loop.

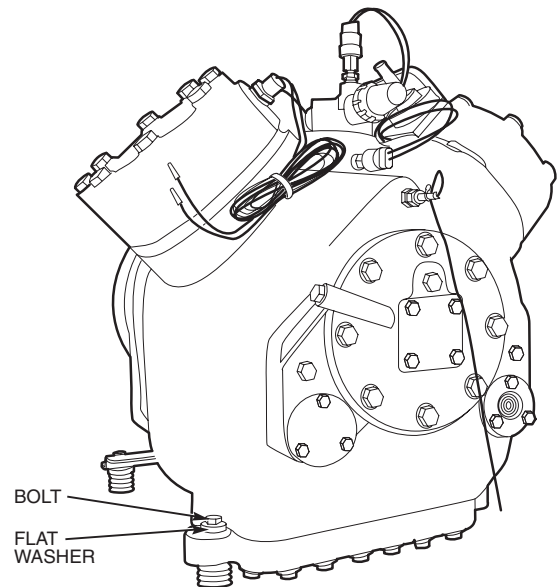


**Fig. 18 — Compressor Mounting View;  
Unit Sizes 040-070**

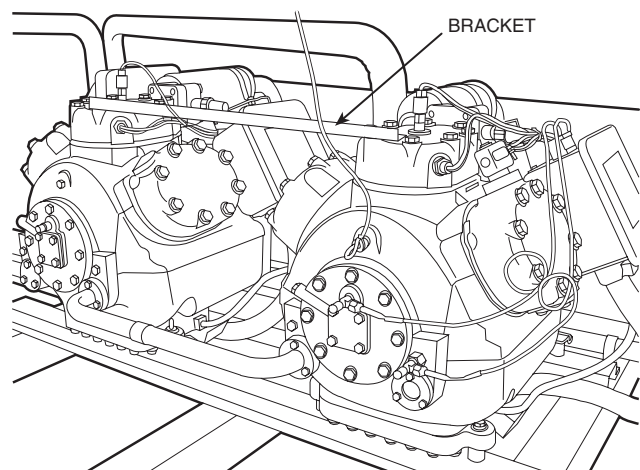


**Fig. 19 — Compressor Mounting View;  
Unit Sizes 080-420**

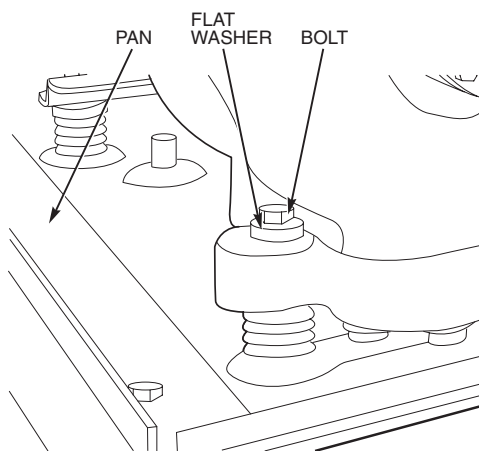


**Fig. 20 — Compressor Mounting Bolts;  
Unit Sizes 040-070**

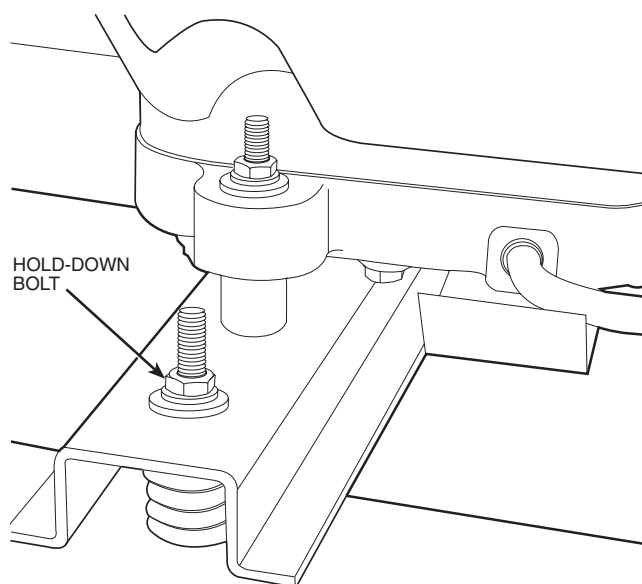


**Fig. 21 — Compressor Mounting Bolts;  
Unit Sizes 080-420**

**PREPARATION FOR WINTER SHUTDOWN** — At end of cooling season:

1. If the unit has optional heater tapes on the cooler and the cooler will not be drained, do not shut off control power disconnect during off-season shutdown. If the unit has optional heater tapes on the cooler and the cooler will be drained, remove FU1 and shut off control power during off-season shutdown.

### **⚠ CAUTION**

Failure to remove control power before draining heater-equipped coolers can result in heater tape and insulation damage.

2. Drain the fluid from the system.
3. Replace the drain plug and add 2 gallons (8 liters) (040-110 and associated modular units), 3 gallons (11.4 liters) (130-190 and associated modular units), or 4 gallons (15.1 liters) (210 and associated modular units) of inhibited ethylene glycol or other suitable corrosion-inhibited anti-freeze solution to the cooler to prevent freezing of

any remaining water in system. Antifreeze can be added through the vent on top of cooler.

4. Open one of the thermistor connections to allow air to escape the vessel and the anti-freeze to enter.
5. At the beginning of the next cooling season, refill cooler, add recommended inhibitor, and replace FU1 (if removed).

**Step 5 — Make Electrical Connections** — The electrical characteristics of the available power supply must agree with the unit nameplate rating. Supply voltage must be within the limits shown. The control box is divided into field power side on the right, and control power supply on the left (when facing control box) for 040-110 and associated modular units (see Table 1). For 130-210 and associated modular units (see Table 1), the power box is located on the cooler side of the unit, and the control box is located on the compressor side.

**FIELD POWER CONNECTIONS** (See Fig. 22-24) — All power wiring must comply with applicable local and national codes. Install field-supplied, branch circuit fused disconnect(s) of a type that can be locked off or open. Disconnect(s) must be located within sight from and readily accessible from unit in compliance with NEC Article 440-14. See Tables 4A-7 for unit electrical data.

**IMPORTANT:** The 30GTN,GTR,GUN,GUR040-420 units have a factory-installed option for a non-fused disconnect for power and control entry. If the unit is equipped with this option, all field wiring should be to the non-fused disconnect rather than the terminal blocks.

**30GTN,GTR,GUN,GUR040-110 and 230B-315B Units** — All field power enters the unit through the control box at the left end when facing the compressors. An access hole is under the control box. All units have a single location for power connection to simplify the field power wiring (except size 050-070, 208/230 v units). Maximum wire size that the unit terminal block will accept is 500 kcmil. Unit may use copper, copper-clad aluminum, or aluminum conductors at all voltages, except unit sizes 110, 290B, and 315B 380/415-3-50 part wind units. These units require copper conductors.

For 208/230-3-60 units (sizes 050-110 and associated modules) 6 parallel conductors are required.

**30GTN,GTR,GUN,GUR130-210, 230A-315A, and 330-420 Units** — The field power wiring enters the unit through the left side of the cooler side power box. The control power enters the control box on the compressor side of the unit.

**NOTE:** If optional non-fused disconnect is installed, power wiring must enter through center panel of unit (disconnect location).

**IMPORTANT:** Do not obstruct the field cooler connections when installing field power into the power box. Use 90-degree liquid-tight conduit fittings to connect field power to the unit and avoid the cooler piping area.

All units have a single location for power connection (one per module on 230-420 units) to simplify field power wiring. The maximum acceptable wire size for the terminal block is 500 kcmil. Copper, copper-clad aluminum, or aluminum conductors are acceptable for all units except unit size 210, 315A, 390A, and 420A/B 208/230-3-60 units. These units require copper conductors. For 208/230-3-60 units, 9 parallel conductors are required. All other voltages require 6 parallel conductors.

**FIELD CONTROL POWER CONNECTIONS** (See Fig. 22-24) — *For 208/230-, 460- and 575-3-60 units:* If the control transformer (FIOP or Accessory) is not used, provide a 115-1-60 power source for the control circuit, through a field-supplied fused disconnect (per NEC). This conductor must be copper only. Control power enters the control box through a 7/8-in. (22.2-mm) conduit connection located on the right side of the control section.

*For 30GTN,GTR,GUN,GUR040-110 and 230B-315B units with 380-3-60 or 380/415-3-50 power:* Control circuit voltage is taken from the line voltage, therefore, no additional power supply is required. If a separate power source is required, follow these instructions and disconnect the wires between the control and power terminal blocks.

*For 30GTN,GTR,GUN,GUR130-210, 230A-315A, and 330A/B-420A/B units with 380-3-60 and 380/415-3-50 power:* Control voltage is tapped from line to neutral. No additional power supply is required. If a separate power source is required, follow these instructions and disconnect the wires between the control and power terminal blocks.

Units with a power supply of 380-3-60 have 230-1-60 control circuit power, which is taken from the unit's power supply voltage. Units with a power supply of 380/415-3-50 have 230-1-50 control circuit power, which is also taken from the unit's power supply voltage. For control circuit current draw, see Table 5.

*All Units:* Control circuit power draw includes the compressor crankcase heaters at 180 watts each, the 2 (040-050), 4 (060,070) or 8 (080-420) cooler heaters (if equipped) at 210 watts each.

### ⚠ CAUTION

Crankcase heaters and cooler heaters are all wired into the control circuit ahead of the control circuit switch. Therefore, they are always active even if the control circuit switch is off.

An interlock circuit for external safeties, such as the chilled fluid flow switch (CWFS) and chilled fluid pump interlock (CWPI) is provided between terminals TB5-1 and TB5-2 for field use. To use this circuit, install the switch contacts between these two points. Remote on-off contacts should be installed between TB5-13 and TB5-14. To use this circuit, install the switch contacts between these two points.

**COMFORTLINK™ COMMUNICATION WIRING** — Conductors and drain wire must be 20 AWG (American Wire Gage) minimum stranded, tinned copper. Individual conductors must be insulated with PVC, PVC/nylon, vinyl, Teflon, or

polyethylene. An aluminum/polyester 100% foil shield and an outer jacket of PVC, PVC/nylon, chrome vinyl, or Teflon with a minimum operating temperature range of -20 C to 60 C is required. Wire manufactured by Alpha (2413 or 5463), American (A22503), Belden (8772), or Columbia (02525) meets the above mentioned requirements. (See Fig. 25.)

## LEGEND AND NOTES FOR WIRING DIAGRAMS (Fig. 22-25)

### LEGEND

|              |                                        |
|--------------|----------------------------------------|
| <b>A</b>     | — Alarm                                |
| <b>CWFS</b>  | — Chilled Water (Fluid) Flow Switch    |
| <b>CWP</b>   | — Cooler Pump Relay                    |
| <b>CWPI</b>  | — Chilled Water (Fluid) Pump Interlock |
| <b>EMM</b>   | — Energy Management Module             |
| <b>EQUIP</b> | — Equipment                            |
| <b>FIOP</b>  | — Factory-Installed Option             |
| <b>LWT</b>   | — Leaving Water Thermistor             |
| <b>NEC</b>   | — National Electrical Code (U.S.A.)    |
| <b>OAT</b>   | — Outdoor-Air Thermistor               |
| <b>SPT</b>   | — Space Temperature Thermistor         |
| <b>TB</b>    | — Terminal Block                       |
| <b>----</b>  | Field Power Wiring                     |
| <b>----</b>  | Field Control Wiring                   |
| <b>=====</b> | Factory-Installed Wiring               |

### NOTES:

1. Factory wiring is in accordance with NEC (U.S.A.). Field modifications or additions must be in compliance with all applicable codes.
2. Wiring for main field power supply must be rated 75° C minimum. Use copper, copper-clad aluminum, or aluminum conductors for all units, except use copper conductors only for the following units: 30GTN,GTR,GUN,GUR110, 290B, 315B 380/415-v part-wind start units; 30GTN,GTR,GUN,GUR210, 315A, 390A, 420A/B 208/230-volts across-the-line and part-wind units.
3. Power for control circuit should be supplied from a separate source through a field-supplied fused disconnect. See Table 5 for required amp value for disconnect. Connect control circuit power to terminals 1 and 2 of TB4. Connect neutral side of supply to terminal 2 of TB4. Control circuit conductors for all units must be copper only.
4. Terminals 13 and 14 of TB5 are for field connection for remote on-off control. The contacts must be rated for dry circuit application capable of reliably switching 24 vac, 50 mA load.
5. The maximum load allowed for the remote alarm and cooler pump relay circuit is 75 va sealed, 360 va inrush at 115- or 230-v, depending on model.
6. Dimensions in [ ] are millimeters.
7. Make appropriate connections to TB6 as shown for energy management board options. The contacts for Demand Limit and Ice Done options must be rated for dry circuit application capable of handling a 24-vac load up to 50 mA.

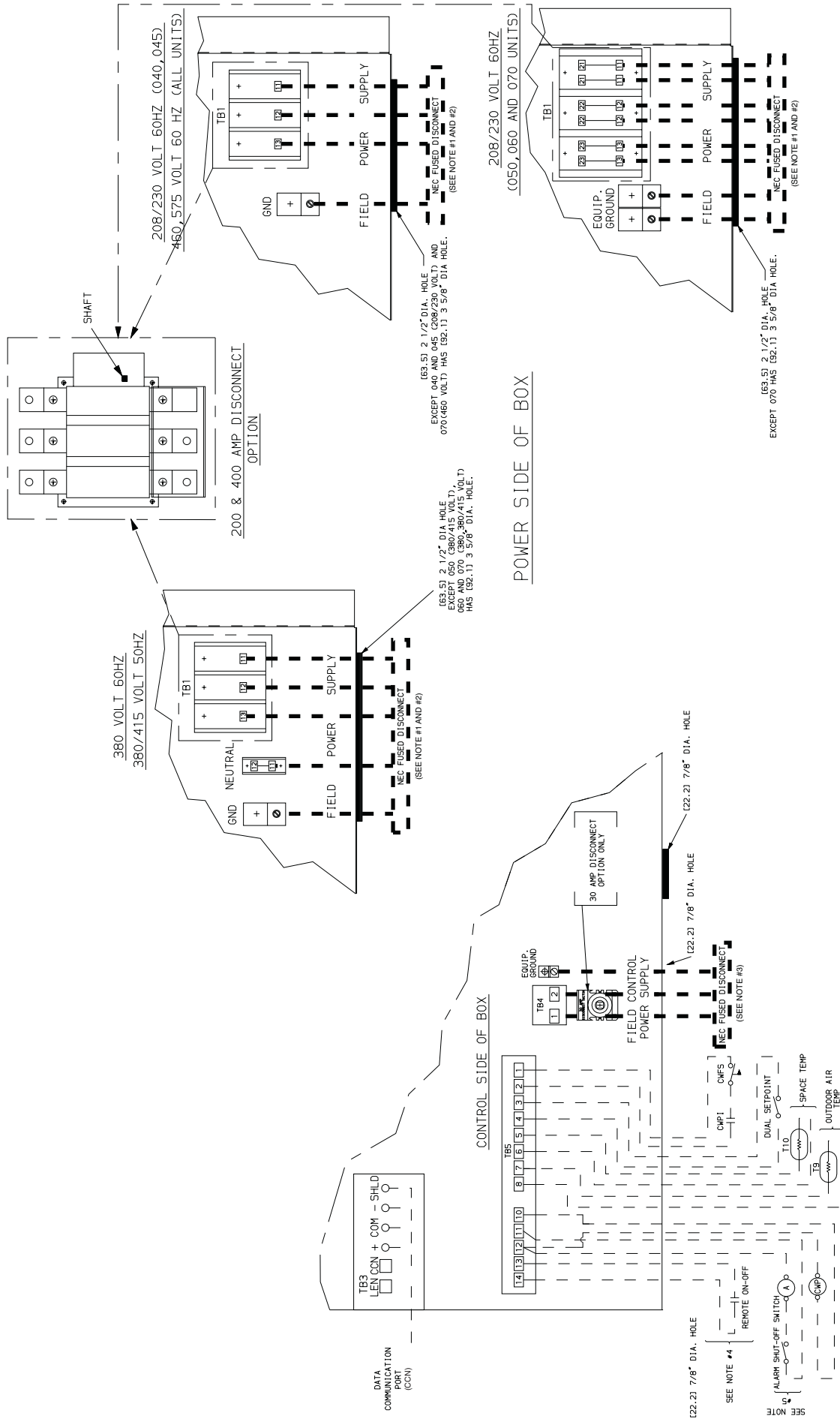


Fig. 22 — Field Wiring; Unit Sizes 040-070

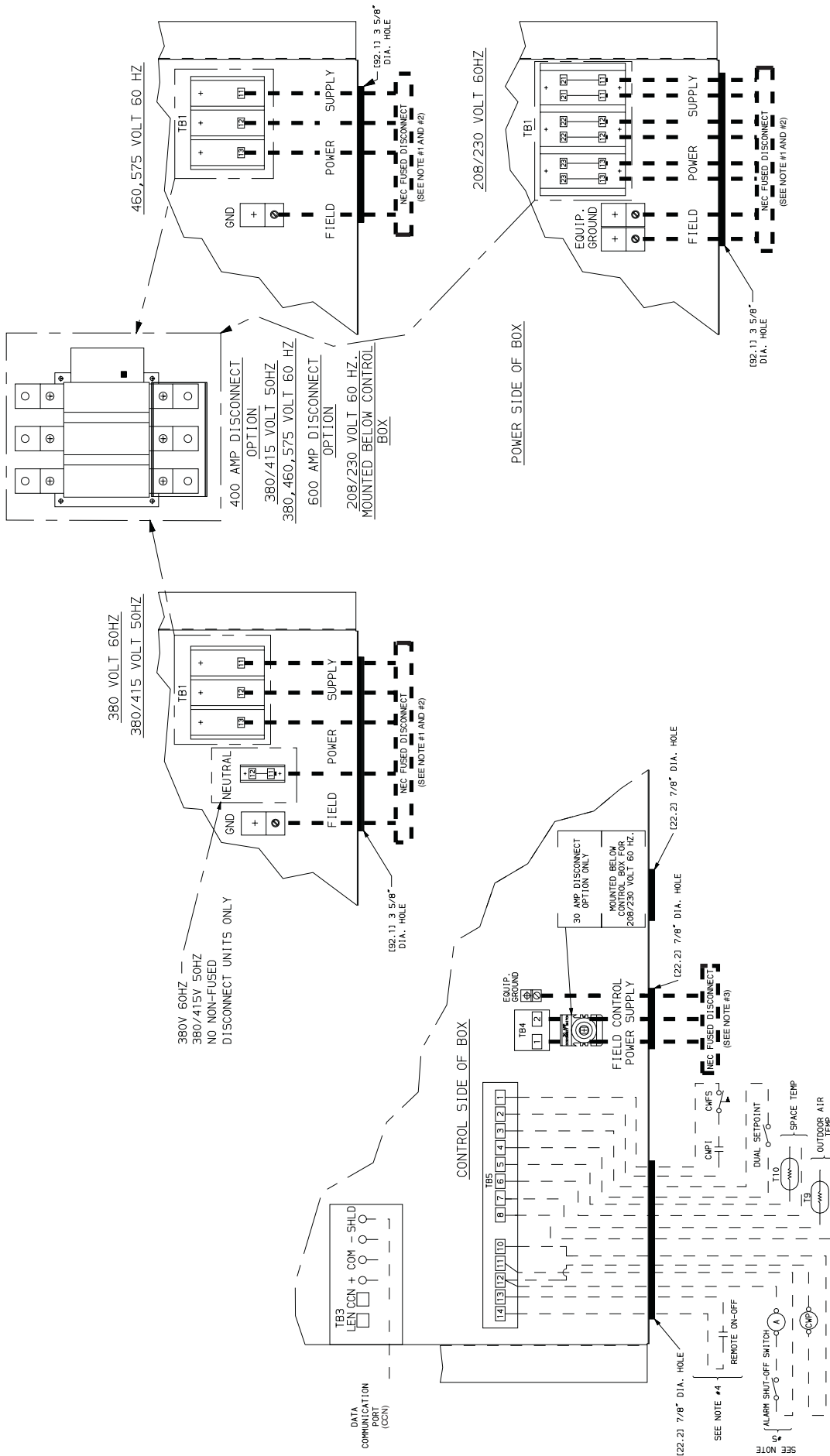


Fig. 23 — Field Wiring; Unit Sizes 080-110, 230B-315B



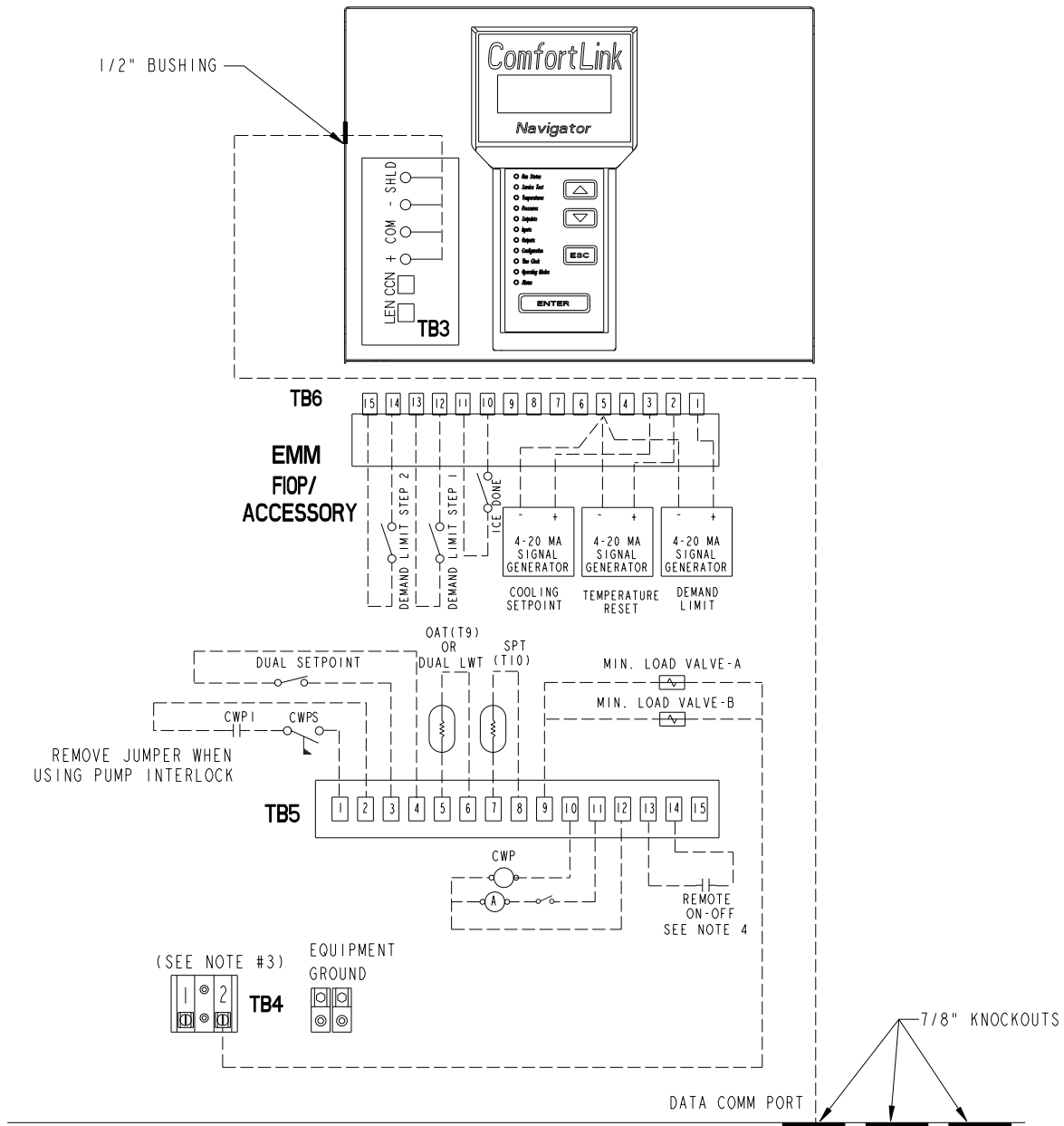


**Fig. 25 — Typical Field Control Wiring, Units with EMM and Navigator Accessories**

**Table 4A — Unit Electrical Data, 30GTN,GTR (R-22)**

| UNIT<br>30GTN,<br>GTR | UNIT VOLTAGE   |           |     |       | STANDARD CONDENSER FAN |      |     |        |       |                  |     |       |       |      | HIGH-STATIC CONDENSER FAN |        |       |                  |     |                        |          |     |                    |  | CONTROL CIRCUIT |  |  |  |  |  |
|-----------------------|----------------|-----------|-----|-------|------------------------|------|-----|--------|-------|------------------|-----|-------|-------|------|---------------------------|--------|-------|------------------|-----|------------------------|----------|-----|--------------------|--|-----------------|--|--|--|--|--|
|                       | V-Hz<br>(3 Ph) | Supplied* |     | MCA   |                        | MOCF |     | ICF    |       | Rec<br>Fuse Size |     | MCA   |       | MOCF |                           | ICF    |       | Rec<br>Fuse Size |     | V-Hz<br>(Single<br>Ph) | Supplied |     | MCA<br>and<br>MOCF |  |                 |  |  |  |  |  |
|                       |                | Min       | Max | XL    | PW                     | XL   | PW  | XL     | PW    | XL               | PW  | XL    | PW    | XL   | PW                        | XL     | PW    | XL               | PW  |                        | Min      | Max |                    |  |                 |  |  |  |  |  |
| 040                   | 208/230-60     | 187       | 253 | 177.0 | 177.0                  | 225  | 225 | 437.1  | 299.1 | 200              | 200 | 211.2 | 211.2 | 250  | 250                       | 471.3  | 333.3 | 250              | 250 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 90.1  | 87.1                   | 110  | 110 | 219.8  | 149.5 | 100              | 100 | 103.1 | 100.1 | 125  | 125                       | 232.8  | 162.5 | 125              | 110 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 78.4  | 77.1                   | 100  | 100 | 162.4  | 113.8 | 90               | 90  | 85.6  | 84.3  | 110  | 110                       | 169.6  | 121.0 | 100              | 100 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 93.5  | 90.5                   | 125  | 110 | 241.2  | 163.9 | 110              | 100 | 107.5 | 104.5 | 125  | 125                       | 255.2  | 177.9 | 125              | 125 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 102.7 | 103.0                  | 125  | 125 | 271.2  | 180.9 | 125              | 125 | 118.3 | 118.6 | 150  | 150                       | 286.8  | 196.5 | 150              | 150 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
| 045                   | 208/230-60     | 187       | 253 | 204.2 | 204.2                  | 250  | 250 | 538.1  | 360.1 | 250              | 250 | 238.4 | 238.4 | 300  | 300                       | 572.3  | 394.3 | 300              | 300 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 101.3 | 101.6                  | 125  | 125 | 269.8  | 179.5 | 125              | 125 | 114.3 | 114.6 | 150  | 150                       | 282.8  | 192.5 | 150              | 150 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 88.0  | 83.4                   | 110  | 110 | 206.4  | 139.8 | 100              | 100 | 95.2  | 90.6  | 125  | 110                       | 213.6  | 147.0 | 110              | 100 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 107.1 | 105.0                  | 150  | 125 | 297.2  | 196.9 | 125              | 125 | 121.1 | 119.0 | 150  | 150                       | 311.2  | 210.9 | 150              | 150 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 115.7 | 119.4                  | 150  | 150 | 310.2  | 210.5 | 150              | 150 | 131.3 | 135.0 | 175  | 175                       | 325.8  | 226.1 | 150              | 150 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
| 050                   | 208/230-60     | 187       | 253 | 246.9 | 246.9                  | 350  | 350 | 619.9  | 417.9 | 300              | 300 | 281.1 | 281.1 | 350  | 350                       | 654.1  | 452.1 | 350              | 350 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 114.3 | 118.0                  | 150  | 150 | 308.8  | 209.1 | 150              | 150 | 127.3 | 131.0 | 150  | 150                       | 321.8  | 222.1 | 150              | 150 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 100.6 | 88.5                   | 125  | 110 | 226.1  | 152.9 | 125              | 100 | 107.8 | 95.7  | 125  | 125                       | 233.3  | 160.1 | 125              | 110 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 126.9 | 127.8                  | 175  | 175 | 341.1  | 228.5 | 150              | 150 | 140.9 | 141.8 | 175  | 175                       | 355.1  | 242.5 | 175              | 175 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 142.2 | 147.2                  | 200  | 200 | 405.4  | 269.3 | 175              | 175 | 157.8 | 162.8 | 200  | 225                       | 421.0  | 284.9 | 175              | 200 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
| 060                   | 208/230-60     | 187       | 253 | 328.1 | 328.1                  | 450  | 450 | 833.8  | 557.8 | 400              | 400 | 378.3 | 378.3 | 500  | 500                       | 884.0  | 608.0 | 450              | 450 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 147.4 | 152.4                  | 200  | 200 | 410.6  | 274.5 | 175              | 175 | 166.4 | 171.4 | 225  | 225                       | 429.6  | 293.5 | 200              | 200 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 132.2 | 121.0                  | 175  | 150 | 336.8  | 218.7 | 150              | 150 | 143.0 | 131.8 | 200  | 175                       | 347.6  | 229.5 | 175              | 150 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 174.5 | 176.6                  | 250  | 250 | 458.0  | 307.2 | 200              | 200 | 195.5 | 197.6 | 250  | 250                       | 479.0  | 328.2 | 225              | 225 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 167.6 | 173.2                  | 225  | 225 | 430.8  | 295.3 | 200              | 200 | 191.0 | 196.6 | 250  | 250                       | 454.2  | 318.7 | 225              | 225 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
| 070                   | 208/230-60     | 187       | 253 | 369.1 | 369.1                  | 500  | 500 | 874.8  | 598.8 | 450              | 450 | 419.3 | 419.3 | 500  | 500                       | 925.0  | 649.0 | 500              | 500 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 166.0 | 171.6                  | 225  | 225 | 429.2  | 293.7 | 200              | 200 | 185.0 | 190.6 | 250  | 250                       | 448.2  | 312.7 | 225              | 225 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 148.9 | 141.5                  | 200  | 175 | 353.5  | 239.2 | 175              | 175 | 159.7 | 152.3 | 200  | 200                       | 364.3  | 250.0 | 175              | 175 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 200.7 | 202.3                  | 250  | 250 | 484.2  | 332.9 | 225              | 225 | 221.7 | 223.3 | 300  | 300                       | 505.2  | 353.9 | 250              | 250 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 189.4 | 195.1                  | 250  | 250 | 452.6  | 317.2 | 225              | 225 | 212.8 | 218.5 | 250  | 250                       | 476.0  | 340.6 | 250              | 250 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
| 080                   | 208/230-60     | 187       | 253 | 396.0 | 396.0                  | 500  | 500 | 901.7  | 625.7 | 450              | 450 | 446.2 | 446.2 | 500  | 500                       | 951.9  | 675.9 | 500              | 500 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 182.0 | 185.7                  | 225  | 225 | 445.2  | 307.8 | 200              | 225 | 201.0 | 204.7 | 250  | 250                       | 464.2  | 326.8 | 225              | 225 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 161.0 | 149.2                  | 200  | 200 | 365.6  | 246.9 | 200              | 175 | 171.8 | 160.0 | 225  | 200                       | 376.4  | 257.7 | 200              | 175 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 209.1 | 209.9                  | 250  | 250 | 492.6  | 340.5 | 250              | 250 | 230.1 | 230.9 | 300  | 300                       | 513.6  | 361.5 | 250              | 300 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 211.2 | 218.1                  | 250  | 250 | 474.4  | 340.2 | 250              | 250 | 234.6 | 241.5 | 250  | 300                       | 497.8  | 363.6 | 300              | 300 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
| 090                   | 208/230-60     | 187       | 253 | 396.8 | 396.8                  | 450  | 450 | 730.7  | 552.7 | 450              | 450 | 447.0 | 447.0 | 500  | 500                       | 780.9  | 602.9 | 500              | 500 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 195.1 | 198.0                  | 225  | 225 | 363.6  | 275.9 | 225              | 225 | 214.1 | 217.0 | 250  | 250                       | 382.6  | 294.9 | 250              | 250 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 167.8 | 156.8                  | 200  | 175 | 286.2  | 213.2 | 200              | 175 | 178.6 | 167.6 | 200  | 200                       | 297.0  | 224.0 | 200              | 200 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 205.9 | 202.6                  | 250  | 225 | 396.0  | 294.5 | 225              | 225 | 226.9 | 223.6 | 250  | 250                       | 417.0  | 315.5 | 250              | 250 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 236.2 | 243.8                  | 300  | 300 | 499.4  | 365.9 | 300              | 300 | 259.6 | 267.2 | 300  | 300                       | 522.8  | 389.3 | 300              | 300 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
| 100                   | 208/230-60     | 187       | 253 | 469.4 | 469.4                  | 500  | 500 | 842.4  | 640.4 | 500              | 500 | 535.6 | 535.6 | 600  | 600                       | 908.6  | 706.6 | 600              | 600 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 217.9 | 224.8                  | 250  | 250 | 412.4  | 315.9 | 250              | 250 | 242.9 | 249.8 | 250  | 250                       | 437.4  | 340.9 | 300              | 300 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 191.1 | 168.7                  | 225  | 200 | 316.6  | 233.1 | 225              | 200 | 205.5 | 183.1 | 225  | 200                       | 331.0  | 247.5 | 225              | 200 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 240.6 | 242.1                  | 250  | 250 | 454.8  | 342.8 | 300              | 300 | 268.6 | 270.1 | 300  | 300                       | 482.8  | 370.8 | 300              | 300 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 261.6 | 269.8                  | 300  | 300 | 524.8  | 391.9 | 300              | 300 | 292.8 | 301.0 | 350  | 350                       | 556.0  | 423.1 | 350              | 350 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
| 110                   | 208/230-60     | 187       | 253 | 520.7 | 520.7                  | 600  | 600 | 1026.4 | 750.4 | 600              | 600 | 586.9 | 586.9 | 700  | 700                       | 1092.6 | 816.6 | 700              | 700 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 241.2 | 248.8                  | 300  | 300 | 504.4  | 370.9 | 300              | 300 | 266.2 | 273.8 | 300  | 300                       | 529.4  | 395.9 | 300              | 300 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 212.0 | 194.4                  | 250  | 225 | 416.6  | 292.1 | 250              | 225 | 226.4 | 208.8 | 250  | 250                       | 431.0  | 306.5 | 250              | 225 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 273.3 | 274.2                  | 350  | 350 | 556.8  | 404.8 | 300              | 300 | 301.3 | 302.2 | 350  | 350                       | 584.8  | 432.8 | 350              | 350 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 305.2 | 315.8                  | 350  | 350 | 568.4  | 437.9 | 350              | 350 | 336.4 | 347.0 | 400  | 400                       | 599.6  | 469.1 | 400              | 400 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
| 130                   | 208/230-60     | 187       | 253 | 617.4 | 617.4                  | 700  | 700 | 1118.3 | 842.3 | 700              | 700 | 701.8 | 701.8 | 800  | 800                       | 1202.7 | 926.7 | 800              | 800 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 460-60         | 414       | 506 | 271.8 | 271.8                  | 300  | 300 | 535.0  | 397.0 | 300              | 300 | 303.8 | 303.8 | 350  | 350                       | 567.0  | 429.0 | 350              | 350 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 575-60         | 518       | 633 | 245.9 | 245.9                  | 300  | 300 | 450.5  | 339.5 | 300              | 300 | 263.9 | 263.9 | 300  | 300                       | 468.5  | 357.5 | 300              | 300 | 115-60                 | 104      | 127 | 30                 |  |                 |  |  |  |  |  |
|                       | 380-60         | 342       | 418 | 331.1 | 331.1                  | 400  | 400 | 612.8  | 459.8 | 400              | 400 | 366.1 | 366.1 | 400  | 400                       | 647.8  | 494.8 | 400              | 400 | 230-60                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       | 380/415-50     | 342       | 440 | 319.9 | 319.9                  | 350  | 350 | 583.0  | 445.0 | 350              | 350 | 358.9 | 358.9 | 400  | 400                       | 622.0  | 484.0 | 400              | 400 | 230-50                 | 198      | 254 | 15                 |  |                 |  |  |  |  |  |
|                       |                |           |     |       |                        |      |     |        |       |                  |     |       |       |      |                           |        |       |                  |     |                        |          |     |                    |  |                 |  |  |  |  |  |

**Table 4A — Unit Electrical Data, 30GTN,GTR (R-22) (cont)**

| UNIT<br>30GTN,<br>GTR | UNIT VOLTAGE   |           |     | STANDARD CONDENSER FAN |       |      |      |        |        |                  |      |       |       | HIGH-STATIC CONDENSER FAN |      |        |        |                  |      |                     |                 | CONTROL CIRCUIT |  |
|-----------------------|----------------|-----------|-----|------------------------|-------|------|------|--------|--------|------------------|------|-------|-------|---------------------------|------|--------|--------|------------------|------|---------------------|-----------------|-----------------|--|
|                       | V-Hz<br>(3 Ph) | Supplied* |     | MCA                    |       | MOCP |      | ICF    |        | Rec<br>Fuse Size |      | MCA   |       | MOCP                      |      | ICF    |        | Rec<br>Fuse Size |      | V-Hz<br>(Single Ph) | MCA and<br>MOCP |                 |  |
|                       |                | Min       | Max | XL                     | PW    | XL   | PW   | XL     | PW     | XL               | PW   | XL    | PW    | XL                        | PW   | XL     | PW     | XL               | PW   |                     |                 |                 |  |
| 230A                  | 208/230-60     | 187       | 253 | 671.4                  | 671.4 | 800  | 800  | 1172.3 | 896.3  | 800              | 800  | 755.8 | 755.8 | 800                       | 800  | 1256.7 | 980.7  | 800              | 800  | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 312.9                  | 312.9 | 350  | 350  | 576.1  | 438.1  | 350              | 350  | 344.9 | 344.9 | 400                       | 400  | 608.1  | 470.1  | 400              | 400  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 272.3                  | 272.3 | 300  | 300  | 476.9  | 365.9  | 300              | 300  | 290.3 | 290.3 | 300                       | 300  | 494.9  | 383.9  | 350              | 350  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 359.9                  | 359.9 | 400  | 400  | 641.6  | 488.6  | 400              | 400  | 394.9 | 394.9 | 450                       | 450  | 676.6  | 523.6  | 450              | 450  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 377.9                  | 377.9 | 400  | 400  | 641.0  | 503.0  | 400              | 400  | 416.9 | 416.9 | 450                       | 450  | 680.0  | 542.0  | 450              | 450  | 230-50              | 15              |                 |  |
| 230B                  | 208/230-60     | 187       | 253 | 396.0                  | 396.0 | 500  | 500  | 901.7  | 625.7  | 450              | 450  | 446.2 | 446.2 | 500                       | 500  | 951.9  | 675.9  | 500              | 500  | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 182.0                  | 185.7 | 225  | 250  | 445.2  | 307.8  | 200              | 225  | 201.0 | 204.7 | 250                       | 250  | 464.2  | 326.8  | 225              | 225  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 161.0                  | 149.2 | 200  | 200  | 365.6  | 246.9  | 200              | 175  | 171.8 | 160.0 | 225                       | 200  | 376.4  | 257.7  | 200              | 175  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 209.1                  | 209.9 | 250  | 250  | 492.6  | 340.5  | 250              | 250  | 230.1 | 230.9 | 300                       | 300  | 513.6  | 361.5  | 250              | 300  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 211.2                  | 218.1 | 250  | 250  | 474.4  | 340.2  | 250              | 250  | 234.6 | 241.5 | 250                       | 300  | 497.8  | 363.6  | 300              | 300  | 230-50              | 15              |                 |  |
| 245A                  | 208/230-60     | 187       | 253 | 671.4                  | 671.4 | 800  | 800  | 1172.3 | 896.3  | 800              | 800  | 755.8 | 755.8 | 800                       | 800  | 1256.7 | 980.7  | 800              | 800  | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 312.9                  | 312.9 | 350  | 350  | 576.1  | 438.1  | 350              | 350  | 344.9 | 344.9 | 400                       | 400  | 608.1  | 470.1  | 400              | 400  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 272.3                  | 272.3 | 300  | 300  | 476.9  | 365.9  | 300              | 300  | 290.3 | 290.3 | 300                       | 300  | 494.9  | 383.9  | 350              | 350  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 359.9                  | 359.9 | 400  | 400  | 641.6  | 488.6  | 400              | 400  | 394.9 | 394.9 | 450                       | 450  | 676.6  | 523.6  | 450              | 450  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 377.9                  | 377.9 | 400  | 400  | 641.0  | 503.0  | 400              | 400  | 416.9 | 416.9 | 450                       | 450  | 680.0  | 542.0  | 450              | 450  | 230-50              | 15              |                 |  |
| 245B                  | 208/230-60     | 187       | 253 | 396.8                  | 396.8 | 450  | 450  | 730.7  | 552.7  | 450              | 450  | 447.0 | 447.0 | 500                       | 500  | 780.9  | 602.9  | 500              | 500  | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 195.1                  | 198.0 | 225  | 225  | 363.6  | 275.9  | 225              | 225  | 214.1 | 217.0 | 250                       | 250  | 382.6  | 294.9  | 250              | 250  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 167.8                  | 156.8 | 200  | 175  | 286.2  | 213.2  | 200              | 175  | 178.6 | 167.6 | 200                       | 200  | 297.0  | 224.0  | 200              | 200  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 205.9                  | 202.6 | 250  | 225  | 396.0  | 294.5  | 225              | 225  | 226.9 | 223.6 | 250                       | 250  | 417.0  | 315.5  | 250              | 250  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 236.2                  | 243.8 | 300  | 300  | 499.4  | 365.9  | 300              | 300  | 259.6 | 267.2 | 300                       | 300  | 522.8  | 389.3  | 300              | 300  | 230-50              | 15              |                 |  |
| 255A                  | 208/230-60     | 187       | 253 | 671.4                  | 671.4 | 800  | 800  | 1172.3 | 896.3  | 800              | 800  | 755.8 | 755.8 | 800                       | 800  | 1256.7 | 980.7  | 800              | 800  | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 312.9                  | 312.9 | 350  | 350  | 576.1  | 438.1  | 350              | 350  | 344.9 | 344.9 | 400                       | 400  | 608.1  | 470.1  | 400              | 400  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 272.3                  | 272.3 | 300  | 300  | 476.9  | 365.9  | 300              | 300  | 290.3 | 290.3 | 300                       | 300  | 494.9  | 383.9  | 350              | 350  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 359.9                  | 359.9 | 400  | 400  | 641.6  | 488.6  | 400              | 400  | 394.9 | 394.9 | 450                       | 450  | 676.6  | 523.6  | 450              | 450  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 377.9                  | 377.9 | 400  | 400  | 641.0  | 503.0  | 400              | 400  | 416.9 | 416.9 | 450                       | 450  | 680.0  | 542.0  | 450              | 450  | 230-50              | 15              |                 |  |
| 255B                  | 208/230-60     | 187       | 253 | 469.4                  | 469.4 | 500  | 500  | 842.4  | 640.4  | 500              | 500  | 535.6 | 535.6 | 600                       | 600  | 908.6  | 706.6  | 600              | 600  | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 217.9                  | 224.8 | 250  | 250  | 412.4  | 315.9  | 250              | 250  | 242.9 | 249.8 | 250                       | 250  | 437.4  | 340.9  | 300              | 300  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 191.1                  | 168.7 | 225  | 200  | 316.6  | 233.1  | 225              | 200  | 205.5 | 183.1 | 225                       | 200  | 331.0  | 247.5  | 225              | 200  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 240.6                  | 242.1 | 250  | 250  | 454.8  | 342.8  | 300              | 300  | 268.6 | 270.1 | 300                       | 300  | 482.8  | 370.8  | 300              | 300  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 261.6                  | 269.8 | 300  | 300  | 524.8  | 391.9  | 300              | 300  | 292.8 | 301.0 | 350                       | 350  | 556.0  | 423.1  | 350              | 350  | 230-50              | 15              |                 |  |
| 270A                  | 208/230-60     | 187       | 253 | 734.7                  | 734.7 | 800  | 800  | 1106.1 | 904.1  | 800              | 800  | 819.1 | 819.1 | 1000                      | 1000 | 1190.5 | 988.5  | 1000             | 1000 | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 323.5                  | 323.5 | 350  | 350  | 518.0  | 417.0  | 350              | 350  | 355.5 | 355.5 | 400                       | 400  | 550.0  | 449.0  | 400              | 400  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 294.6                  | 294.6 | 300  | 300  | 418.5  | 348.5  | 350              | 350  | 312.6 | 312.6 | 350                       | 350  | 436.5  | 366.5  | 350              | 350  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 387.8                  | 387.8 | 400  | 400  | 598.0  | 486.0  | 450              | 450  | 422.8 | 422.8 | 450                       | 450  | 633.0  | 521.0  | 450              | 450  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 387.3                  | 387.3 | 450  | 450  | 650.4  | 512.4  | 450              | 450  | 426.3 | 426.3 | 450                       | 450  | 689.4  | 551.4  | 450              | 450  | 230-50              | 15              |                 |  |
| 270B                  | 208/230-60     | 187       | 253 | 469.4                  | 469.4 | 500  | 500  | 842.4  | 640.4  | 500              | 500  | 535.6 | 535.6 | 600                       | 600  | 908.6  | 706.6  | 600              | 600  | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 217.9                  | 224.8 | 250  | 250  | 412.4  | 315.9  | 250              | 250  | 242.9 | 249.8 | 250                       | 250  | 437.4  | 340.9  | 300              | 300  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 191.1                  | 168.7 | 225  | 200  | 316.6  | 233.1  | 225              | 200  | 205.5 | 183.1 | 225                       | 200  | 331.0  | 247.5  | 225              | 200  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 240.6                  | 242.1 | 250  | 250  | 454.8  | 342.8  | 300              | 300  | 268.6 | 270.1 | 300                       | 300  | 482.8  | 370.8  | 300              | 300  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 261.6                  | 269.8 | 300  | 300  | 524.8  | 391.9  | 300              | 300  | 292.8 | 301.0 | 350                       | 350  | 556.0  | 423.1  | 350              | 350  | 230-50              | 15              |                 |  |
| 290A                  | 208/230-60     | 187       | 253 | 810.2                  | 810.2 | 1000 | 1000 | 1311.1 | 1035.1 | 1000             | 1000 | 910.6 | 910.6 | 1000                      | 1000 | 1411.5 | 1135.5 | 1000             | 1000 | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 368.2                  | 368.2 | 400  | 400  | 631.4  | 493.4  | 400              | 400  | 406.2 | 406.2 | 450                       | 450  | 669.4  | 531.4  | 450              | 450  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 325.9                  | 325.9 | 350  | 350  | 530.5  | 419.5  | 350              | 350  | 347.5 | 347.5 | 400                       | 400  | 552.1  | 441.1  | 400              | 400  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 432.5                  | 432.5 | 500  | 500  | 714.2  | 561.2  | 500              | 500  | 474.5 | 474.5 | 500                       | 500  | 756.2  | 603.2  | 500              | 500  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 450.2                  | 450.2 | 500  | 500  | 713.3  | 575.3  | 500              | 500  | 497.0 | 497.0 | 500                       | 500  | 760.1  | 622.1  | 600              | 600  | 230-50              | 15              |                 |  |
| 290B                  | 208/230-60     | 187       | 253 | 520.7                  | 520.7 | 600  | 600  | 1026.4 | 750.4  | 600              | 600  | 586.9 | 586.9 | 700                       | 700  | 1092.6 | 816.6  | 700              | 700  | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 241.2                  | 248.8 | 300  | 300  | 504.4  | 370.9  | 300              | 300  | 266.2 | 273.8 | 300                       | 300  | 529.4  | 395.9  | 300              | 300  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 212.0                  | 194.4 | 250  | 225  | 416.6  | 292.1  | 250              | 225  | 226.4 | 208.8 | 250                       | 250  | 431.0  | 306.5  | 250              | 225  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       | 418 | 273.3                  | 274.2 | 350  | 350  | 556.8  | 404.8  | 300              | 300  | 301.3 | 302.2 | 350                       | 350  | 584.8  | 432.8  | 350              | 350  | 230-60              | 15              |                 |  |
|                       | 380/415-50     | 342       | 440 | 305.2                  | 315.8 | 350  | 350  | 568.4  | 437.9  | 350              | 350  | 336.4 | 347.0 | 400                       | 400  | 599.6  | 469.1  | 400              | 400  | 230-50              | 15              |                 |  |
| 315A                  | 208/230-60     | 187       | 253 | 900.0                  | 900.0 | 1000 | 1000 | 1400.9 | 1124.9 | 1000             | 1000 | 999.8 | 999.8 | 1000                      | 1000 | 1500.7 | 1224.7 | 1200             | 1200 | 115-60              | 30              |                 |  |
|                       | 460-60         | 414       | 506 | 413.1                  | 413.1 | 450  | 450  | 676.3  | 538.3  | 450              | 450  | 451.1 | 451.1 | 500                       | 500  | 714.3  | 576.3  | 500              | 500  | 115-60              | 30              |                 |  |
|                       | 575-60         | 518       | 633 | 362.5                  | 362.5 | 400  | 400  | 567.1  | 456.1  | 400              | 400  | 384.1 | 384.1 | 400                       | 400  | 588.7  | 477.7  | 400              | 400  | 115-60              | 30              |                 |  |
|                       | 380-60         | 342       |     |                        |       |      |      |        |        |                  |      |       |       |                           |      |        |        |                  |      |                     |                 |                 |  |

**Table 4A — Unit Electrical Data, 30GTN,GTR (R-22) (cont)**

| UNIT<br>30GTN,<br>GTR | UNIT VOLTAGE   |           |     |       | STANDARD CONDENSER FAN |      |      |        |        |                  |      |       | HIGH-STATIC CONDENSER FAN |      |      |        |        |                  |      |                     | CONTROL CIRCUIT |  |
|-----------------------|----------------|-----------|-----|-------|------------------------|------|------|--------|--------|------------------|------|-------|---------------------------|------|------|--------|--------|------------------|------|---------------------|-----------------|--|
|                       | V-Hz<br>(3 Ph) | Supplied* |     | MCA   |                        | MOCP |      | ICF    |        | Rec<br>Fuse Size |      | MCA   |                           | MOCP |      | ICF    |        | Rec<br>Fuse Size |      | V-Hz<br>(Single Ph) | MCA and<br>MOCP |  |
|                       |                | Min       | Max | XL    | PW                     | XL   | PW   | XL     | PW     | XL               | PW   | XL    | PW                        | XL   | PW   | XL     | PW     | XL               | PW   |                     |                 |  |
| 390A                  | 208/230-60     | 187       | 253 | 900.0 | 900.0                  | 1000 | 1000 | 1400.9 | 1124.9 | 1000             | 1000 | 999.8 | 999.8                     | 1000 | 1000 | 1500.7 | 1224.7 | 1200             | 1200 | 115-60              | 30              |  |
|                       | 460-60         | 414       | 506 | 413.1 | 413.1                  | 450  | 450  | 676.3  | 538.3  | 450              | 450  | 451.1 | 451.1                     | 500  | 500  | 714.3  | 576.3  | 500              | 500  | 115-60              | 30              |  |
|                       | 575-60         | 518       | 633 | 362.5 | 362.5                  | 400  | 400  | 567.1  | 456.1  | 400              | 400  | 384.1 | 384.1                     | 400  | 400  | 588.7  | 477.7  | 400              | 400  | 115-60              | 30              |  |
|                       | 380-60         | 342       | 418 | 479.3 | 479.3                  | 500  | 500  | 761.0  | 608.0  | 500              | 500  | 521.3 | 521.3                     | 600  | 600  | 803.0  | 650.0  | 600              | 600  | 230-60              | 15              |  |
|                       | 380/415-50     | 342       | 440 | 474.5 | 474.5                  | 500  | 500  | 737.6  | 599.6  | 500              | 500  | 521.3 | 521.3                     | 600  | 600  | 784.4  | 646.4  | 600              | 600  | 230-50              | 15              |  |
| 390B                  | 208/230-60     | 187       | 253 | 810.2 | 810.2                  | 1000 | 1000 | 1311.1 | 1035.1 | 1000             | 1000 | 910.6 | 910.6                     | 1000 | 1000 | 1411.5 | 1135.5 | 1000             | 1000 | 115-60              | 30              |  |
|                       | 460-60         | 414       | 506 | 368.2 | 368.2                  | 400  | 400  | 631.4  | 493.4  | 400              | 400  | 406.2 | 406.2                     | 450  | 450  | 669.4  | 531.4  | 450              | 450  | 115-60              | 30              |  |
|                       | 575-60         | 518       | 633 | 325.9 | 325.9                  | 350  | 350  | 530.5  | 419.5  | 350              | 350  | 347.5 | 347.5                     | 400  | 400  | 552.1  | 441.1  | 400              | 400  | 115-60              | 30              |  |
|                       | 380-60         | 342       | 418 | 432.5 | 432.5                  | 500  | 500  | 714.2  | 561.2  | 500              | 500  | 474.5 | 474.5                     | 500  | 500  | 756.2  | 603.2  | 500              | 500  | 230-60              | 15              |  |
|                       | 380/415-50     | 342       | 440 | 450.2 | 450.2                  | 500  | 500  | 713.3  | 575.3  | 500              | 500  | 497.0 | 497.0                     | 500  | 500  | 760.1  | 622.1  | 600              | 600  | 230-50              | 15              |  |
| 420A                  | 208/230-60     | 187       | 253 | 900.0 | 900.0                  | 1000 | 1000 | 1400.9 | 1124.9 | 1000             | 1000 | 999.8 | 999.8                     | 1000 | 1000 | 1500.7 | 1224.7 | 1200             | 1200 | 115-60              | 30              |  |
|                       | 460-60         | 414       | 506 | 413.1 | 413.1                  | 450  | 450  | 676.3  | 538.3  | 450              | 450  | 451.1 | 451.1                     | 500  | 500  | 714.3  | 576.3  | 500              | 500  | 115-60              | 30              |  |
|                       | 575-60         | 518       | 633 | 362.5 | 362.5                  | 400  | 400  | 567.1  | 456.1  | 400              | 400  | 384.1 | 384.1                     | 400  | 400  | 588.7  | 477.7  | 400              | 400  | 115-60              | 30              |  |
|                       | 380-60         | 342       | 418 | 479.3 | 479.3                  | 500  | 500  | 761.0  | 608.0  | 500              | 500  | 521.3 | 521.3                     | 600  | 600  | 803.0  | 650.0  | 600              | 600  | 230-60              | 15              |  |
|                       | 380/415-50     | 342       | 440 | 474.5 | 474.5                  | 500  | 500  | 737.6  | 599.6  | 500              | 500  | 521.3 | 521.3                     | 600  | 600  | 784.4  | 646.4  | 600              | 600  | 230-50              | 15              |  |
| 420B                  | 208/230-60     | 187       | 253 | 900.0 | 900.0                  | 1000 | 1000 | 1400.9 | 1124.9 | 1000             | 1000 | 999.8 | 999.8                     | 1000 | 1000 | 1500.7 | 1224.7 | 1200             | 1200 | 115-60              | 30              |  |
|                       | 460-60         | 414       | 506 | 413.1 | 413.1                  | 450  | 450  | 676.3  | 538.3  | 450              | 450  | 451.1 | 451.1                     | 500  | 500  | 714.3  | 576.3  | 500              | 500  | 115-60              | 30              |  |
|                       | 575-60         | 518       | 633 | 362.5 | 362.5                  | 400  | 400  | 567.1  | 456.1  | 400              | 400  | 384.1 | 384.1                     | 400  | 400  | 588.7  | 477.7  | 400              | 400  | 115-60              | 30              |  |
|                       | 380-60         | 342       | 418 | 479.3 | 479.3                  | 500  | 500  | 761.0  | 608.0  | 500              | 500  | 521.3 | 521.3                     | 600  | 600  | 803.0  | 650.0  | 600              | 600  | 230-60              | 15              |  |
|                       | 380/415-50     | 342       | 440 | 474.5 | 474.5                  | 500  | 500  | 737.6  | 599.6  | 500              | 500  | 521.3 | 521.3                     | 600  | 600  | 784.4  | 646.4  | 600              | 600  | 230-50              | 15              |  |

See legend and notes on page 68.

**Table 4B — Unit Electrical Data, 30GUN,GUR (R-134a)**

| UNIT<br>SIZE<br>30GUN,<br>GUR | VOLTAGE                      |           |     |       | STANDARD CONDENSER FAN |      |     |                  |     |       |       |       | HIGH-STATIC CONDENSER FAN |      |     |                  |     |        |       |  |
|-------------------------------|------------------------------|-----------|-----|-------|------------------------|------|-----|------------------|-----|-------|-------|-------|---------------------------|------|-----|------------------|-----|--------|-------|--|
|                               | Nominal<br>V-Hz<br>(3 Phase) | Supplied* |     | MCA   |                        | MOCF |     | Rec<br>Fuse Size |     | ICF   |       | MCA   |                           | MOCF |     | Rec<br>Fuse Size |     | ICF    |       |  |
|                               |                              | Min       | Max | XL    | PW                     | XL   | PW  | XL               | PW  | XL    | PW    | XL    | PW                        | XL   | PW  | XL               | PW  | XL     | PW    |  |
| 040                           | 208/230-60                   | 187       | 253 | 151.1 | 151.1                  | 200  | 200 | 175              | 175 | 363.6 | 250.6 | 185.3 | 185.3                     | 225  | 225 | 200              | 200 | 397.8  | 284.8 |  |
|                               | 460-60                       | 414       | 506 | 77.2  | 72.7                   | 100  | 90  | 90               | 80  | 183.1 | 124.1 | 90.2  | 85.7                      | 110  | 110 | 100              | 100 | 196.1  | 137.1 |  |
|                               | 575-60                       | 518       | 633 | 66.9  | 65.8                   | 90   | 80  | 80               | 80  | 135.3 | 95.8  | 74.1  | 73.0                      | 90   | 90  | 90               | 80  | 142.5  | 103.0 |  |
|                               | 380-60                       | 342       | 418 | 80.6  | 76.1                   | 100  | 100 | 90               | 90  | 201.5 | 136.5 | 94.6  | 90.1                      | 110  | 110 | 110              | 100 | 215.5  | 150.5 |  |
|                               | 380/415-50                   | 342       | 440 | 85.8  | 82.1                   | 110  | 110 | 100              | 100 | 215.5 | 144.5 | 101.4 | 97.7                      | 125  | 125 | 125              | 110 | 231.1  | 160.1 |  |
| 045                           | 208/230-60                   | 187       | 253 | 165.5 | 165.5                  | 225  | 225 | 200              | 200 | 425.6 | 287.6 | 199.7 | 199.7                     | 250  | 250 | 225              | 225 | 459.8  | 321.8 |  |
|                               | 460-60                       | 414       | 506 | 84.4  | 80.7                   | 110  | 110 | 100              | 90  | 214.1 | 143.1 | 97.4  | 93.7                      | 125  | 125 | 110              | 110 | 227.1  | 156.1 |  |
|                               | 575-60                       | 518       | 633 | 73.3  | 72.1                   | 100  | 100 | 90               | 80  | 157.3 | 108.8 | 80.5  | 79.3                      | 100  | 100 | 90               | 90  | 164.5  | 116.0 |  |
|                               | 380-60                       | 342       | 418 | 87.8  | 84.1                   | 110  | 110 | 100              | 100 | 235.5 | 157.5 | 101.8 | 98.1                      | 125  | 125 | 125              | 110 | 249.5  | 171.5 |  |
|                               | 380/415-50                   | 342       | 440 | 102.7 | 103.0                  | 125  | 125 | 125              | 125 | 271.2 | 180.9 | 118.3 | 118.6                     | 150  | 150 | 150              | 150 | 286.8  | 196.5 |  |
| 050                           | 208/230-60                   | 187       | 253 | 202.7 | 202.7                  | 250  | 250 | 225              | 225 | 538.1 | 360.1 | 236.9 | 236.9                     | 300  | 300 | 300              | 300 | 572.3  | 394.3 |  |
|                               | 460-60                       | 414       | 506 | 101.3 | 101.6                  | 125  | 125 | 125              | 125 | 269.8 | 179.5 | 114.3 | 114.6                     | 150  | 150 | 150              | 150 | 282.8  | 192.5 |  |
|                               | 575-60                       | 518       | 633 | 88.0  | 83.4                   | 110  | 110 | 100              | 100 | 206.4 | 139.8 | 95.2  | 90.6                      | 125  | 110 | 110              | 100 | 213.6  | 147.0 |  |
|                               | 380-60                       | 342       | 418 | 107.1 | 105.0                  | 150  | 125 | 125              | 125 | 297.2 | 196.9 | 121.1 | 119.0                     | 150  | 150 | 150              | 150 | 311.2  | 210.9 |  |
|                               | 380/415-50                   | 342       | 440 | 133.3 | 129.0                  | 175  | 175 | 150              | 150 | 362.2 | 241.5 | 148.9 | 144.6                     | 200  | 200 | 175              | 175 | 377.8  | 257.1 |  |
| 060                           | 208/230-60                   | 187       | 253 | 270.2 | 270.2                  | 350  | 350 | 300              | 300 | 735.9 | 491.9 | 320.4 | 320.4                     | 400  | 400 | 350              | 350 | 786.1  | 542.1 |  |
|                               | 460-60                       | 414       | 506 | 138.5 | 134.2                  | 175  | 175 | 175              | 150 | 367.4 | 246.7 | 157.5 | 153.2                     | 200  | 200 | 175              | 175 | 386.4  | 265.7 |  |
|                               | 575-60                       | 518       | 633 | 115.4 | 109.8                  | 150  | 150 | 150              | 125 | 300.9 | 199.7 | 126.2 | 120.6                     | 150  | 150 | 150              | 150 | 311.7  | 210.5 |  |
|                               | 380-60                       | 342       | 418 | 167.4 | 167.6                  | 225  | 225 | 200              | 200 | 450.9 | 298.3 | 188.4 | 188.6                     | 250  | 250 | 225              | 225 | 471.9  | 319.3 |  |
|                               | 380/415-50                   | 342       | 440 | 157.4 | 147.3                  | 200  | 200 | 175              | 175 | 386.3 | 259.8 | 180.8 | 170.7                     | 225  | 225 | 200              | 200 | 409.7  | 283.2 |  |
| 070                           | 208/230-60                   | 187       | 253 | 297.1 | 297.1                  | 400  | 400 | 350              | 350 | 762.8 | 518.8 | 299.3 | 299.3                     | 400  | 400 | 350              | 350 | 765.0  | 521.0 |  |
|                               | 460-60                       | 414       | 506 | 155.8 | 145.7                  | 200  | 200 | 175              | 175 | 384.7 | 258.2 | 156.8 | 146.7                     | 200  | 200 | 175              | 175 | 385.7  | 259.2 |  |
|                               | 575-60                       | 518       | 633 | 125.7 | 121.4                  | 150  | 150 | 150              | 150 | 311.2 | 211.3 | 125.7 | 121.4                     | 150  | 150 | 150              | 150 | 311.2  | 211.3 |  |
|                               | 380-60                       | 342       | 418 | 200.7 | 202.1                  | 250  | 250 | 225              | 225 | 484.2 | 332.8 | 200.7 | 202.1                     | 250  | 250 | 225              | 225 | 484.2  | 332.8 |  |
|                               | 380/415-50                   | 342       | 440 | 165.7 | 157.5                  | 225  | 200 | 200              | 175 | 394.6 | 270.0 | 165.7 | 157.5                     | 225  | 200 | 200              | 175 | 394.6  | 270.0 |  |
| 080                           | 208/230-60                   | 187       | 253 | 326.6 | 326.6                  | 400  | 400 | 400              | 400 | 792.3 | 548.3 | 376.8 | 376.8                     | 450  | 450 | 450              | 450 | 842.5  | 598.5 |  |
|                               | 460-60                       | 414       | 506 | 167.4 | 161.0                  | 225  | 200 | 200              | 200 | 396.3 | 273.6 | 186.4 | 180.1                     | 225  | 225 | 225              | 200 | 415.3  | 292.6 |  |
|                               | 575-60                       | 518       | 633 | 139.1 | 133.0                  | 175  | 175 | 175              | 150 | 324.6 | 222.9 | 149.9 | 143.8                     | 175  | 175 | 175              | 175 | 335.4  | 233.7 |  |
|                               | 380-60                       | 342       | 418 | 196.3 | 194.5                  | 250  | 250 | 225              | 225 | 479.8 | 325.2 | 217.3 | 215.5                     | 250  | 250 | 250              | 250 | 500.8  | 346.2 |  |
|                               | 380/415-50                   | 342       | 440 | 92.0  | 180.6                  | 250  | 225 | 225              | 200 | 420.9 | 293.1 | 215.4 | 204.0                     | 250  | 250 | 250              | 225 | 444.3  | 316.5 |  |
| 090                           | 208/230-60                   | 187       | 253 | 303.0 | 303.0                  | 350  | 350 | 350              | 350 | 563.1 | 425.1 | 353.2 | 353.2                     | 400  | 400 | 400              | 400 | 613.3  | 475.3 |  |
|                               | 460-60                       | 414       | 506 | 154.5 | 147.5                  | 175  | 175 | 175              | 175 | 284.2 | 209.9 | 173.5 | 166.5                     | 200  | 175 | 200              | 175 | 303.2  | 228.9 |  |
|                               | 575-60                       | 518       | 633 | 132.6 | 130.3                  | 150  | 150 | 150              | 150 | 216.6 | 167.0 | 143.4 | 141.1                     | 150  | 150 | 175              | 150 | 227.4  | 177.8 |  |
|                               | 380-60                       | 342       | 418 | 159.1 | 91.9                   | 175  | 175 | 175              | 175 | 306.8 | 225.5 | 180.1 | 112.9                     | 200  | 200 | 200              | 200 | 327.8  | 246.5 |  |
|                               | 380/415-50                   | 342       | 440 | 209.3 | 202.4                  | 250  | 250 | 225              | 225 | 438.2 | 314.9 | 232.7 | 225.8                     | 250  | 250 | 250              | 250 | 461.6  | 338.3 |  |
| 100                           | 208/230-60                   | 187       | 253 | 385.5 | 385.5                  | 450  | 450 | 450              | 450 | 720.9 | 542.9 | 535.6 | 535.6                     | 600  | 600 | 600              | 600 | 848.6  | 670.6 |  |
|                               | 460-60                       | 414       | 506 | 192.7 | 193.0                  | 225  | 225 | 225              | 225 | 361.2 | 270.9 | 242.9 | 249.8                     | 250  | 250 | 300              | 300 | 407.4  | 322.9 |  |
|                               | 575-60                       | 518       | 633 | 166.9 | 158.5                  | 200  | 175 | 200              | 175 | 285.3 | 214.9 | 205.5 | 183.1                     | 225  | 200 | 225              | 200 | 319.0  | 239.5 |  |
|                               | 380-60                       | 342       | 418 | 202.8 | 120.6                  | 225  | 225 | 225              | 225 | 392.9 | 290.7 | 268.6 | 171.4                     | 300  | 300 | 300              | 300 | 449.8  | 350.8 |  |
|                               | 380/415-50                   | 342       | 440 | 233.4 | 220.7                  | 250  | 250 | 250              | 250 | 462.3 | 333.2 | 292.8 | 301.0                     | 350  | 350 | 350              | 350 | 516.0  | 399.1 |  |
| 110                           | 208/230-60                   | 187       | 253 | 520.7 | 520.7                  | 600  | 600 | 600              | 600 | 946.4 | 702.4 | 485.4 | 485.4                     | 600  | 600 | 600              | 600 | 951.1  | 707.1 |  |
|                               | 460-60                       | 414       | 506 | 241.2 | 248.8                  | 300  | 300 | 300              | 300 | 464.4 | 346.9 | 239.3 | 232.4                     | 300  | 250 | 300              | 250 | 468.2  | 344.9 |  |
|                               | 575-60                       | 518       | 633 | 212.0 | 194.4                  | 250  | 225 | 250              | 225 | 384.6 | 273.1 | 194.2 | 187.4                     | 225  | 225 | 225              | 200 | 379.7  | 277.3 |  |
|                               | 380-60                       | 342       | 418 | 273.3 | 229.3                  | 350  | 350 | 300              | 300 | 556.8 | 404.8 | 272.4 | 236.7                     | 350  | 300 | 300              | 300 | 555.9  | 400.7 |  |
|                               | 380/415-50                   | 342       | 440 | 305.2 | 315.8                  | 350  | 350 | 350              | 350 | 528.4 | 413.9 | 317.2 | 298.1                     | 350  | 350 | 350              | 350 | 546.1  | 410.6 |  |
| 130                           | 208/230-60                   | 187       | 253 | 498.3 | 498.3                  | 600  | 600 | 600              | 600 | 964.0 | 720.0 | 582.7 | 582.7                     | 600  | 600 | 700              | 700 | 1048.4 | 804.4 |  |
|                               | 460-60                       | 414       | 506 | 255.2 | 247.7                  | 300  | 300 | 300              | 300 | 484.1 | 360.2 | 287.2 | 279.7                     | 300  | 300 | 350              | 300 | 516.1  | 392.2 |  |
|                               | 575-60                       | 518       | 633 | 212.3 | 201.6                  | 250  | 225 | 225              | 225 | 397.8 | 291.5 | 230.3 | 219.6                     | 250  | 250 | 250              | 250 | 415.8  | 309.5 |  |
|                               | 380-60                       | 342       | 418 | 307.3 | 307.5                  | 350  | 350 | 350              | 350 | 590.8 | 438.2 | 342.3 | 342.5                     | 400  | 400 | 400              | 400 | 625.8  | 473.2 |  |
|                               | 380/415-50                   | 342       | 440 | 292.8 | 284.0                  | 350  | 300 | 350              | 300 | 521.7 | 396.5 | 331.8 | 323.0                     | 350  | 350 | 350              | 350 | 560.7  | 435.5 |  |
| 150                           | 208/230-60                   | 187       | 253 | 525.0 | 525.0                  | 600  | 600 | 600              | 600 | 990.7 | 746.7 | 609.4 | 609.4                     | 700  | 700 | 700              | 700 | 1075.1 | 831.1 |  |
|                               | 460-60                       | 414       | 506 | 271.8 | 257.8                  | 300  | 300 | 300              | 300 | 500.7 | 370.3 | 303.8 | 289.8                     | 350  | 300 | 350              | 250 | 532.7  | 402.3 |  |
|                               | 575-60                       | 518       | 633 | 225.7 | 219.6                  | 250  | 250 | 250              | 250 | 411.2 | 309.5 | 243.7 | 237.6                     | 250  | 250 | 300              | 250 | 429.2  | 327.5 |  |
|                               | 380-60                       | 342       | 418 | 320.1 | 317.6                  | 350  | 350 | 350              | 350 | 603.6 | 448.3 | 355.1 | 352.6                     | 400  | 400 | 400              | 400 | 638.6  | 483.3 |  |
|                               | 380/415-50                   | 342       | 440 | 353.7 | 330.1                  | 400  | 350 | 400              | 350 | 582.6 | 442.6 | 392.7 | 369.1                     | 450  | 400 | 450              | 400 | 621.6  | 481.6 |  |
| 170                           | 208/230-60                   | 187       | 253 | 614.7 | 614.7                  | 700  | 700 | 700              | 700 | 950.1 | 772.1 | 699.1 | 699.1                     | 800  | 800 | 800              | 800 | 1034.5 | 856.5 |  |
|                               | 460-60                       | 414       | 506 | 300.0 | 311.6                  | 300  | 350 | 350              | 350 | 472.0 | 389.5 | 335.5 | 343.6                     | 350  | 350 | 350              | 400 | 504.0  | 421.5 |  |
|                               | 575-60                       | 518       | 633 | 250.0 | 242.1                  | 250  | 250 | 300              | 300 | 380.5 | 298.5 | 280.1 | 250.0                     | 300  | 250 | 300              | 300 | 398.5  | 316.5 |  |
|                               | 380-60                       | 342       | 418 | 323.4 | 319.6                  | 350  | 350 | 350              | 350 | 513.5 | 411.5 | 358.4 | 350.0                     | 400  | 350 | 400              | 400 | 548.5  | 446.5 |  |
|                               | 380/415-50                   | 342       | 440 | 362.7 | 352.0                  | 400  | 400 | 400              | 400 | 591.6 | 464.5 | 401.7 | 391.0                     | 450  | 400 | 450              | 450 | 630.6  | 503.5 |  |
| 190                           | 208/230-60                   | 187       |     |       |                        |      |     |                  |     |       |       |       |                           |      |     |                  |     |        |       |  |

**Table 4B — Unit Electrical Data, 30GUN,GUR (R-134a) (cont)**

| UNIT<br>SIZE<br>30GUN,<br>GUR | VOLTAGE                      |           |     | STANDARD CONDENSER FAN |       |      |     |                  |     |        |       | HIGH-STATIC CONDENSER FAN |       |      |     |                  |      |        |        |
|-------------------------------|------------------------------|-----------|-----|------------------------|-------|------|-----|------------------|-----|--------|-------|---------------------------|-------|------|-----|------------------|------|--------|--------|
|                               | Nominal<br>V-Hz<br>(3 Phase) | Supplied* |     | MCA                    |       | MOCP |     | Rec<br>Fuse Size |     | ICF    |       | MCA                       |       | MOCP |     | Rec<br>Fuse Size |      | ICF    |        |
|                               |                              | Min       | Max | XL                     | PW    | XL   | PW  | XL               | PW  | XL     | PW    | XL                        | PW    | XL   | PW  | XL               | PW   | XL     | PW     |
| 230A                          | 208/230-60                   | 187       | 253 | 525.0                  | 525.0 | 600  | 600 | 600              | 600 | 990.7  | 746.7 | 609.4                     | 609.4 | 700  | 700 | 700              | 700  | 1075.1 | 831.1  |
|                               | 460-60                       | 414       | 506 | 271.8                  | 257.8 | 300  | 300 | 300              | 300 | 500.7  | 370.3 | 303.8                     | 289.8 | 350  | 300 | 350              | 350  | 532.7  | 402.3  |
|                               | 575-60                       | 518       | 633 | 225.7                  | 219.6 | 250  | 250 | 250              | 250 | 411.2  | 309.5 | 243.7                     | 237.6 | 250  | 250 | 300              | 250  | 429.2  | 327.5  |
|                               | 380-60                       | 342       | 418 | 320.1                  | 317.6 | 350  | 350 | 350              | 350 | 603.6  | 448.3 | 355.1                     | 352.6 | 400  | 400 | 400              | 400  | 638.6  | 483.3  |
|                               | 380/415-50                   | 342       | 440 | 353.7                  | 330.1 | 400  | 350 | 400              | 350 | 582.6  | 442.6 | 392.7                     | 369.1 | 450  | 400 | 450              | 400  | 621.6  | 481.6  |
| 230B                          | 208/230-60                   | 187       | 253 | 326.6                  | 326.6 | 400  | 400 | 400              | 400 | 792.3  | 548.3 | 376.8                     | 376.8 | 450  | 450 | 450              | 450  | 842.5  | 598.5  |
|                               | 460-60                       | 414       | 506 | 167.4                  | 161.1 | 225  | 200 | 200              | 200 | 396.3  | 273.6 | 186.4                     | 180.1 | 225  | 225 | 225              | 200  | 415.3  | 292.6  |
|                               | 575-60                       | 518       | 633 | 139.1                  | 133.0 | 175  | 175 | 175              | 150 | 324.6  | 222.9 | 149.9                     | 143.8 | 175  | 175 | 175              | 175  | 335.4  | 233.7  |
|                               | 380-60                       | 342       | 418 | 196.3                  | 194.5 | 250  | 250 | 225              | 225 | 479.8  | 325.2 | 217.3                     | 215.5 | 250  | 250 | 250              | 250  | 500.8  | 346.2  |
|                               | 380/415-50                   | 342       | 440 | 92.0                   | 180.6 | 250  | 225 | 225              | 200 | 420.9  | 293.1 | 215.4                     | 204.0 | 250  | 250 | 250              | 225  | 444.3  | 316.5  |
| 245A                          | 208/230-60                   | 187       | 253 | 525.0                  | 525.0 | 600  | 600 | 600              | 600 | 990.7  | 746.7 | 609.4                     | 609.4 | 700  | 700 | 700              | 700  | 1075.1 | 831.1  |
|                               | 460-60                       | 414       | 506 | 271.8                  | 257.8 | 300  | 300 | 300              | 300 | 500.7  | 370.3 | 303.8                     | 289.8 | 350  | 300 | 350              | 350  | 532.7  | 402.3  |
|                               | 575-60                       | 518       | 633 | 225.7                  | 219.6 | 250  | 250 | 250              | 250 | 411.2  | 309.5 | 243.7                     | 237.6 | 250  | 250 | 300              | 250  | 429.2  | 327.5  |
|                               | 380-60                       | 342       | 418 | 320.1                  | 317.6 | 350  | 350 | 350              | 350 | 603.6  | 448.3 | 355.1                     | 352.6 | 400  | 400 | 400              | 400  | 638.6  | 483.3  |
|                               | 380/415-50                   | 342       | 440 | 353.7                  | 330.1 | 400  | 350 | 400              | 350 | 582.6  | 442.6 | 392.7                     | 369.1 | 450  | 400 | 450              | 400  | 621.6  | 481.6  |
| 245B                          | 208/230-60                   | 187       | 253 | 303.0                  | 303.0 | 350  | 350 | 350              | 350 | 563.1  | 425.1 | 353.2                     | 353.2 | 400  | 400 | 400              | 400  | 613.3  | 475.3  |
|                               | 460-60                       | 414       | 506 | 154.5                  | 147.5 | 175  | 175 | 175              | 175 | 284.2  | 209.9 | 173.5                     | 166.5 | 200  | 175 | 200              | 175  | 303.2  | 228.9  |
|                               | 575-60                       | 518       | 633 | 132.6                  | 130.3 | 150  | 150 | 150              | 150 | 216.6  | 167.0 | 143.4                     | 141.1 | 150  | 150 | 175              | 150  | 227.4  | 177.8  |
|                               | 380-60                       | 342       | 418 | 159.1                  | 91.9  | 175  | 175 | 175              | 175 | 306.8  | 225.5 | 180.1                     | 112.9 | 200  | 200 | 200              | 200  | 327.8  | 246.5  |
|                               | 380/415-50                   | 342       | 440 | 209.3                  | 202.4 | 250  | 250 | 225              | 225 | 438.2  | 314.9 | 232.7                     | 225.8 | 250  | 250 | 250              | 250  | 461.6  | 338.3  |
| 255A                          | 208/230-60                   | 187       | 253 | 525.0                  | 525.0 | 600  | 600 | 600              | 600 | 990.7  | 746.7 | 609.4                     | 609.4 | 700  | 700 | 700              | 700  | 1075.1 | 831.1  |
|                               | 460-60                       | 414       | 506 | 271.8                  | 257.8 | 300  | 300 | 300              | 300 | 500.7  | 370.3 | 303.8                     | 289.8 | 350  | 300 | 350              | 350  | 532.7  | 402.3  |
|                               | 575-60                       | 518       | 633 | 225.7                  | 219.6 | 250  | 250 | 250              | 250 | 411.2  | 309.5 | 243.7                     | 237.6 | 250  | 250 | 300              | 250  | 429.2  | 327.5  |
|                               | 380-60                       | 342       | 418 | 320.1                  | 317.6 | 350  | 350 | 350              | 350 | 603.6  | 448.3 | 355.1                     | 352.6 | 400  | 400 | 400              | 400  | 638.6  | 483.3  |
|                               | 380/415-50                   | 342       | 440 | 353.7                  | 330.1 | 400  | 350 | 400              | 350 | 582.6  | 442.6 | 392.7                     | 369.1 | 450  | 400 | 450              | 400  | 621.6  | 481.6  |
| 255B                          | 208/230-60                   | 187       | 253 | 385.5                  | 385.5 | 450  | 450 | 450              | 450 | 720.9  | 542.9 | 535.6                     | 535.6 | 600  | 600 | 600              | 600  | 848.6  | 670.6  |
|                               | 460-60                       | 414       | 506 | 192.7                  | 193.0 | 225  | 225 | 225              | 225 | 361.2  | 270.9 | 242.9                     | 249.8 | 250  | 250 | 300              | 300  | 407.4  | 322.9  |
|                               | 575-60                       | 518       | 633 | 166.9                  | 158.5 | 200  | 175 | 200              | 175 | 285.3  | 214.9 | 205.5                     | 183.1 | 225  | 200 | 225              | 200  | 319.0  | 239.5  |
|                               | 380-60                       | 342       | 418 | 202.8                  | 120.6 | 225  | 225 | 225              | 225 | 392.9  | 290.7 | 268.6                     | 171.4 | 300  | 300 | 300              | 300  | 449.8  | 350.8  |
|                               | 380/415-50                   | 342       | 440 | 233.4                  | 220.7 | 250  | 250 | 250              | 250 | 462.3  | 333.2 | 292.8                     | 301.0 | 350  | 350 | 350              | 350  | 516.0  | 399.1  |
| 270A                          | 208/230-60                   | 187       | 253 | 614.7                  | 614.7 | 700  | 700 | 700              | 700 | 950.1  | 772.1 | 699.1                     | 699.1 | 800  | 800 | 800              | 800  | 1034.5 | 856.5  |
|                               | 460-60                       | 414       | 506 | 300.0                  | 311.6 | 300  | 350 | 350              | 350 | 472.0  | 389.5 | 335.5                     | 343.6 | 350  | 350 | 350              | 350  | 504.0  | 421.5  |
|                               | 575-60                       | 518       | 633 | 250.0                  | 242.1 | 250  | 250 | 300              | 300 | 380.5  | 298.5 | 280.1                     | 250.0 | 300  | 250 | 300              | 300  | 398.5  | 316.5  |
|                               | 380-60                       | 342       | 418 | 323.4                  | 319.6 | 350  | 350 | 350              | 350 | 513.5  | 411.5 | 358.4                     | 350.0 | 400  | 350 | 400              | 400  | 548.5  | 446.5  |
|                               | 380/415-50                   | 342       | 440 | 362.7                  | 352.0 | 400  | 400 | 400              | 400 | 591.6  | 464.5 | 401.7                     | 391.0 | 450  | 400 | 450              | 450  | 630.6  | 503.5  |
| 270B                          | 208/230-60                   | 187       | 253 | 385.5                  | 385.5 | 450  | 450 | 450              | 450 | 720.9  | 542.9 | 535.6                     | 535.6 | 600  | 600 | 600              | 600  | 848.6  | 670.6  |
|                               | 460-60                       | 414       | 506 | 192.7                  | 193.0 | 225  | 225 | 225              | 225 | 361.2  | 270.9 | 242.9                     | 249.8 | 250  | 250 | 300              | 300  | 407.4  | 322.9  |
|                               | 575-60                       | 518       | 633 | 166.9                  | 158.5 | 200  | 175 | 200              | 175 | 285.3  | 214.9 | 205.5                     | 183.1 | 225  | 200 | 225              | 200  | 319.0  | 239.5  |
|                               | 380-60                       | 342       | 418 | 202.8                  | 120.6 | 225  | 225 | 225              | 225 | 392.9  | 290.7 | 268.6                     | 171.4 | 300  | 300 | 300              | 300  | 449.8  | 350.8  |
|                               | 380/415-50                   | 342       | 440 | 233.4                  | 220.7 | 250  | 250 | 250              | 250 | 462.3  | 333.2 | 292.8                     | 301.0 | 350  | 350 | 350              | 350  | 516.0  | 399.1  |
| 290A                          | 208/230-60                   | 187       | 253 | 647.3                  | 647.3 | 700  | 700 | 700              | 700 | 1113.0 | 869.0 | 747.7                     | 747.7 | 800  | 800 | 800              | 800  | 1213.4 | 969.4  |
|                               | 460-60                       | 414       | 506 | 331.0                  | 320.9 | 350  | 350 | 350              | 350 | 559.9  | 433.4 | 369.0                     | 358.9 | 400  | 400 | 400              | 400  | 597.9  | 471.4  |
|                               | 575-60                       | 518       | 633 | 276.7                  | 264.8 | 300  | 300 | 300              | 300 | 462.2  | 354.7 | 298.3                     | 286.4 | 300  | 300 | 350              | 300  | 483.8  | 376.3  |
|                               | 380-60                       | 342       | 418 | 384.3                  | 381.9 | 450  | 450 | 450              | 450 | 667.8  | 512.6 | 426.3                     | 423.9 | 500  | 500 | 450              | 450  | 709.8  | 554.6  |
|                               | 380/415-50                   | 342       | 440 | 421.4                  | 393.3 | 450  | 400 | 450              | 450 | 650.3  | 505.8 | 468.2                     | 440.1 | 500  | 450 | 500              | 500  | 697.1  | 552.6  |
| 290B                          | 208/230-60                   | 187       | 253 | 520.7                  | 520.7 | 600  | 600 | 600              | 600 | 946.4  | 702.4 | 485.4                     | 485.4 | 600  | 600 | 600              | 600  | 951.1  | 707.1  |
|                               | 460-60                       | 414       | 506 | 241.2                  | 248.8 | 300  | 300 | 300              | 300 | 464.4  | 346.9 | 239.3                     | 232.4 | 300  | 250 | 300              | 250  | 468.2  | 344.9  |
|                               | 575-60                       | 518       | 633 | 212.0                  | 194.4 | 250  | 225 | 250              | 225 | 384.6  | 273.1 | 194.2                     | 187.4 | 225  | 225 | 225              | 200  | 379.7  | 277.3  |
|                               | 380-60                       | 342       | 418 | 273.3                  | 229.3 | 350  | 350 | 300              | 300 | 556.8  | 404.8 | 272.4                     | 236.7 | 350  | 300 | 300              | 300  | 555.9  | 400.7  |
|                               | 380/415-50                   | 342       | 440 | 305.2                  | 315.8 | 350  | 350 | 350              | 350 | 528.4  | 413.9 | 317.2                     | 298.1 | 350  | 350 | 350              | 350  | 546.1  | 410.6  |
| 315A                          | 208/230-60                   | 187       | 253 | 715.2                  | 715.2 | 800  | 800 | 800              | 800 | 1180.9 | 936.9 | 800.0                     | 800.0 | 800  | 800 | 1000             | 1000 | 1280.7 | 1036.7 |
|                               | 460-60                       | 414       | 506 | 365.6                  | 354.2 | 400  | 400 | 400              | 400 | 594.5  | 466.7 | 403.6                     | 392.2 | 450  | 400 | 450              | 450  | 632.5  | 504.7  |
|                               | 575-60                       | 518       | 633 | 305.5                  | 293.0 | 350  | 300 | 350              | 350 | 491.0  | 382.9 | 327.1                     | 314.6 | 350  | 350 | 350              | 350  | 512.6  | 404.5  |
|                               | 380-60                       | 342       | 418 | 418.9                  | 415.2 | 450  | 450 | 450              | 450 | 702.4  | 545.9 | 460.9                     | 457.2 | 500  | 500 | 500              | 500  | 744.4  | 587.9  |
|                               | 380/415-50                   | 342       | 440 | 429.7                  | 403.5 | 450  | 450 | 450              | 450 | 658.6  | 516.0 | 476.5                     | 450.3 | 500  | 500 | 500              | 500  | 705.4  | 562.8  |
| 315B                          | 208/230-60                   | 187       | 253 | 520.7                  | 520.7 | 600  | 600 | 600              | 600 | 946.4  | 702.4 | 376.8                     | 376.8 | 600  | 600 | 600              | 600  | 951.1  | 707.1  |
|                               | 460-60                       | 414       | 506 | 241.2                  | 248.8 | 300  | 300 | 300              | 300 | 464.4  | 346.9 | 186.4                     | 180.1 | 300  | 250 | 300              | 250  | 468.2  | 344.9  |
|                               | 575-60                       | 518       | 633 | 212.0                  | 194.4 | 250  | 225 | 250              | 225 | 384.6  | 273.1 | 149.9                     | 143.8 | 225  | 225 | 225              | 200  | 379.7  | 277.3  |
|                               | 380-60                       | 342       | 418 | 273.3                  | 229.3 | 350  | 350 | 300              | 300 | 556.8  | 404.8 | 217.3                     | 215.5 | 350  | 300 | 300              | 300  | 555.9  | 400.7  |
|                               | 380/415-50                   | 342       | 440 | 305.2                  | 315.8 | 350  | 350 | 350              | 350 | 528.4  | 413.9 | 215.4                     | 204.0 | 350  | 350 | 350              | 350  | 546.1  | 410.6  |

**Table 4B — Unit Electrical Data, 30GUN,GUR (R-134a) (cont)**

| UNIT<br>SIZE<br>30GUN,<br>GUR | VOLTAGE                      |           |     | STANDARD CONDENSER FAN |       |      |     |                  |     |        |       | HIGH-STATIC CONDENSER FAN |       |      |     |                  |      |        |        |
|-------------------------------|------------------------------|-----------|-----|------------------------|-------|------|-----|------------------|-----|--------|-------|---------------------------|-------|------|-----|------------------|------|--------|--------|
|                               | Nominal<br>V-Hz<br>(3 Phase) | Supplied* |     | MCA                    |       | MOCP |     | Rec<br>Fuse Size |     | ICF    |       | MCA                       |       | MOCP |     | Rec<br>Fuse Size |      | ICF    |        |
|                               |                              | Min       | Max | XL                     | PW    | XL   | PW  | XL               | PW  | XL     | PW    | XL                        | PW    | XL   | PW  | XL               | PW   | XL     | PW     |
| 330A                          | 208/230-60                   | 187       | 253 | 525.0                  | 525.0 | 600  | 600 | 600              | 600 | 990.7  | 746.7 | 609.4                     | 609.4 | 700  | 700 | 700              | 700  | 1075.1 | 831.1  |
|                               | 460-60                       | 414       | 506 | 300.0                  | 311.6 | 300  | 350 | 350              | 350 | 472.0  | 389.5 | 335.5                     | 343.6 | 350  | 350 | 350              | 400  | 504.0  | 421.5  |
|                               | 575-60                       | 518       | 633 | 250.0                  | 242.1 | 250  | 250 | 300              | 300 | 380.5  | 298.5 | 280.1                     | 250.0 | 300  | 250 | 300              | 300  | 398.5  | 316.5  |
|                               | 380-60                       | 342       | 418 | 323.4                  | 319.6 | 350  | 350 | 350              | 350 | 513.5  | 411.5 | 358.4                     | 350.0 | 400  | 350 | 400              | 400  | 548.5  | 446.5  |
| 330B                          | 380/415-50                   | 342       | 440 | 362.7                  | 352.0 | 400  | 400 | 400              | 400 | 591.6  | 464.5 | 401.7                     | 391.0 | 450  | 400 | 450              | 450  | 630.6  | 503.5  |
|                               | 208/230-60                   | 187       | 253 | 614.7                  | 614.7 | 700  | 700 | 700              | 700 | 950.1  | 772.1 | 699.1                     | 699.1 | 800  | 800 | 800              | 800  | 1034.5 | 856.5  |
|                               | 460-60                       | 414       | 506 | 300.0                  | 311.6 | 300  | 350 | 350              | 350 | 472.0  | 389.5 | 335.5                     | 343.6 | 350  | 350 | 350              | 400  | 504.0  | 421.5  |
|                               | 575-60                       | 518       | 633 | 250.0                  | 242.1 | 250  | 250 | 300              | 300 | 380.5  | 298.5 | 280.1                     | 250.0 | 300  | 250 | 300              | 300  | 398.5  | 316.5  |
| 360A                          | 380-60                       | 342       | 418 | 323.4                  | 319.6 | 350  | 350 | 350              | 350 | 513.5  | 411.5 | 358.4                     | 350.0 | 400  | 350 | 400              | 400  | 548.5  | 446.5  |
|                               | 380/415-50                   | 342       | 440 | 362.7                  | 352.0 | 400  | 400 | 400              | 400 | 591.6  | 464.5 | 401.7                     | 391.0 | 450  | 400 | 450              | 450  | 630.6  | 503.5  |
|                               | 208/230-60                   | 187       | 253 | 647.3                  | 647.3 | 700  | 700 | 700              | 700 | 1113.0 | 869.0 | 747.7                     | 747.7 | 800  | 800 | 800              | 800  | 1213.4 | 969.4  |
|                               | 460-60                       | 414       | 506 | 331.0                  | 320.9 | 350  | 350 | 350              | 350 | 559.9  | 433.4 | 369.0                     | 358.9 | 400  | 400 | 400              | 400  | 597.9  | 471.4  |
| 360B                          | 575-60                       | 518       | 633 | 276.7                  | 264.8 | 300  | 300 | 300              | 300 | 462.2  | 354.7 | 298.3                     | 286.4 | 300  | 300 | 350              | 300  | 483.8  | 376.3  |
|                               | 380-60                       | 342       | 418 | 384.3                  | 381.9 | 450  | 450 | 450              | 450 | 667.8  | 512.6 | 426.3                     | 423.9 | 500  | 500 | 450              | 450  | 709.8  | 554.6  |
|                               | 380/415-50                   | 342       | 440 | 421.4                  | 393.3 | 450  | 400 | 450              | 450 | 650.3  | 505.8 | 468.2                     | 440.1 | 500  | 450 | 500              | 500  | 697.1  | 552.6  |
|                               | 208/230-60                   | 187       | 253 | 647.3                  | 647.3 | 700  | 700 | 700              | 700 | 1113.0 | 869.0 | 747.7                     | 747.7 | 800  | 800 | 800              | 800  | 1213.4 | 969.4  |
| 390A                          | 460-60                       | 414       | 506 | 331.0                  | 320.9 | 350  | 350 | 350              | 350 | 559.9  | 433.4 | 369.0                     | 358.9 | 400  | 400 | 400              | 400  | 597.9  | 471.4  |
|                               | 575-60                       | 518       | 633 | 276.7                  | 264.8 | 300  | 300 | 300              | 300 | 462.2  | 354.7 | 298.3                     | 286.4 | 300  | 300 | 350              | 300  | 483.8  | 376.3  |
|                               | 380-60                       | 342       | 418 | 384.3                  | 381.9 | 450  | 450 | 450              | 450 | 667.8  | 512.6 | 426.3                     | 423.9 | 500  | 500 | 450              | 450  | 709.8  | 554.6  |
|                               | 380/415-50                   | 342       | 440 | 429.7                  | 403.5 | 450  | 450 | 450              | 450 | 658.6  | 516.0 | 476.5                     | 450.3 | 500  | 500 | 500              | 500  | 705.4  | 562.8  |
| 390B                          | 208/230-60                   | 187       | 253 | 715.2                  | 715.2 | 800  | 800 | 800              | 800 | 1180.9 | 936.9 | 800.0                     | 800.0 | 800  | 800 | 1000             | 1000 | 1280.7 | 1036.7 |
|                               | 460-60                       | 414       | 506 | 365.6                  | 354.2 | 400  | 400 | 400              | 400 | 594.5  | 466.7 | 403.6                     | 392.2 | 450  | 400 | 450              | 450  | 632.5  | 504.7  |
|                               | 575-60                       | 518       | 633 | 305.5                  | 293.0 | 350  | 300 | 350              | 350 | 491.0  | 382.9 | 327.1                     | 314.6 | 350  | 350 | 350              | 350  | 512.6  | 404.5  |
|                               | 380-60                       | 342       | 418 | 418.9                  | 415.2 | 450  | 450 | 450              | 450 | 702.4  | 545.9 | 460.9                     | 457.2 | 500  | 500 | 500              | 500  | 744.4  | 587.9  |
| 420A                          | 380/415-50                   | 342       | 440 | 429.7                  | 403.5 | 450  | 450 | 450              | 450 | 658.6  | 516.0 | 476.5                     | 450.3 | 500  | 500 | 500              | 500  | 705.4  | 562.8  |
|                               | 208/230-60                   | 187       | 253 | 715.2                  | 715.2 | 800  | 800 | 800              | 800 | 1180.9 | 936.9 | 800.0                     | 800.0 | 800  | 800 | 1000             | 1000 | 1280.7 | 1036.7 |
|                               | 460-60                       | 414       | 506 | 365.6                  | 354.2 | 400  | 400 | 400              | 400 | 594.5  | 466.7 | 403.6                     | 392.2 | 450  | 400 | 450              | 450  | 632.5  | 504.7  |
|                               | 575-60                       | 518       | 633 | 305.5                  | 293.0 | 350  | 300 | 350              | 350 | 491.0  | 382.9 | 327.1                     | 314.6 | 350  | 350 | 350              | 350  | 512.6  | 404.5  |
| 420B                          | 380-60                       | 342       | 418 | 418.9                  | 415.2 | 450  | 450 | 450              | 450 | 702.4  | 545.9 | 460.9                     | 457.2 | 500  | 500 | 500              | 500  | 744.4  | 587.9  |
|                               | 380/415-50                   | 342       | 440 | 429.7                  | 403.5 | 450  | 450 | 450              | 450 | 658.6  | 516.0 | 476.5                     | 450.3 | 500  | 500 | 500              | 500  | 705.4  | 562.8  |

See legend and notes on page 65.

**Table 5 —Control Circuit**

| UNIT POWER<br>V-Ph-Hz | CONTROL POWER |     |     | MCA and<br>MOCP |
|-----------------------|---------------|-----|-----|-----------------|
|                       | V-Ph-Hz       | Min | Max |                 |
| 208/230-3-60          | 115-60        | 104 | 127 | 30              |
| 460-3-60              | 115-60        | 104 | 127 | 30              |
| 575-3-60              | 115-60        | 104 | 127 | 30              |
| 380-3-60              | 230-60        | 207 | 254 | 15              |
| 380/415-3-50          | 230-50        | 198 | 254 | 15              |

**Table 6A — Compressor Electrical Data, 30GTN,GTR**

| UNIT<br>SIZE<br>30GTN,GTR | NOMINAL<br>VOLTAGE<br>V-Ph-Hz | COMPRESSOR NUMBERS |       |      |       |     |     |     |     |       |       |     |     |     |     |
|---------------------------|-------------------------------|--------------------|-------|------|-------|-----|-----|-----|-----|-------|-------|-----|-----|-----|-----|
|                           |                               | A1                 |       | A2   |       | A3  |     | A4  |     | B1    |       | B2  |     | B3  |     |
|                           |                               | RLA                | LRA   | RLA  | LRA   | RLA | LRA | RLA | LRA | RLA   | LRA   | RLA | LRA | RLA | LRA |
| 040-XL                    | 208/230-3-60                  | 67.9               | 345.0 | —    | —     | —   | —   | —   | —   | 67.9  | 345.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 34.6               | 173.0 | —    | —     | —   | —   | —   | —   | 34.6  | 173.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 28.8               | 120.0 | —    | —     | —   | —   | —   | —   | 28.8  | 120.0 | —   | —   | —   | —   |
|                           | 380-3-60                      | 34.6               | 191.0 | —    | —     | —   | —   | —   | —   | 34.6  | 191.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 34.6               | 173.0 | —    | —     | —   | —   | —   | —   | 43.6  | 223.0 | —   | —   | —   | —   |
| 040-PW                    | 208/230-3-60                  | 67.9               | 207.0 | —    | —     | —   | —   | —   | —   | 67.9  | 207.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 33.3               | 104.0 | —    | —     | —   | —   | —   | —   | 33.3  | 104.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 28.2               | 72.0  | —    | —     | —   | —   | —   | —   | 28.2  | 72.0  | —   | —   | —   | —   |
|                           | 380-3-60                      | 33.3               | 115.0 | —    | —     | —   | —   | —   | —   | 33.3  | 115.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 33.3               | 104.0 | —    | —     | —   | —   | —   | —   | 44.9  | 134.0 | —   | —   | —   | —   |
| 045-XL                    | 208/230-3-60                  | 67.9               | 345.0 | —    | —     | —   | —   | —   | —   | 89.7  | 446.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 34.6               | 173.0 | —    | —     | —   | —   | —   | —   | 43.6  | 223.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 28.8               | 120.0 | —    | —     | —   | —   | —   | —   | 36.5  | 164.0 | —   | —   | —   | —   |
|                           | 380-3-60                      | 34.6               | 191.0 | —    | —     | —   | —   | —   | —   | 45.5  | 247.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 43.6               | 223.0 | —    | —     | —   | —   | —   | —   | 46.8  | 253.0 | —   | —   | —   | —   |
| 045-PW                    | 208/230-3-60                  | 67.9               | 207.0 | —    | —     | —   | —   | —   | —   | 89.7  | 268.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 33.3               | 104.0 | —    | —     | —   | —   | —   | —   | 44.9  | 134.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 28.2               | 72.0  | —    | —     | —   | —   | —   | —   | 33.3  | 98.0  | —   | —   | —   | —   |
|                           | 380-3-60                      | 33.3               | 115.0 | —    | —     | —   | —   | —   | —   | 44.9  | 148.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | —    | —     | —   | —   | —   | —   | 48.7  | 162.0 | —   | —   | —   | —   |
| 050-XL                    | 208/230-3-60                  | 89.7               | 446.0 | —    | —     | —   | —   | —   | —   | 106.4 | 608.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 43.6               | 223.0 | —    | —     | —   | —   | —   | —   | 46.8  | 253.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 36.5               | 164.0 | —    | —     | —   | —   | —   | —   | 40.4  | 176.0 | —   | —   | —   | —   |
|                           | 380-3-60                      | 45.5               | 247.0 | —    | —     | —   | —   | —   | —   | 52.6  | 280.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 46.8               | 253.0 | —    | —     | —   | —   | —   | —   | 65.4  | 345.0 | —   | —   | —   | —   |
| 050-PW                    | 208/230-3-60                  | 89.7               | 268.0 | —    | —     | —   | —   | —   | —   | 106.4 | 304.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 44.9               | 134.0 | —    | —     | —   | —   | —   | —   | 48.7  | 162.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 33.3               | 98.0  | —    | —     | —   | —   | —   | —   | 33.3  | 106.0 | —   | —   | —   | —   |
|                           | 380-3-60                      | 44.9               | 148.0 | —    | —     | —   | —   | —   | —   | 53.8  | 168.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 48.7               | 162.0 | —    | —     | —   | —   | —   | —   | 67.9  | 207.0 | —   | —   | —   | —   |
| 060-XL                    | 208/230-3-60                  | 106.4              | 608.0 | —    | —     | —   | —   | —   | —   | 147.4 | 690.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 46.8               | 253.0 | —    | —     | —   | —   | —   | —   | 65.4  | 345.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 40.4               | 176.0 | —    | —     | —   | —   | —   | —   | 57.1  | 276.0 | —   | —   | —   | —   |
|                           | 380-3-60                      | 52.6               | 280.0 | —    | —     | —   | —   | —   | —   | 78.8  | 382.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 65.4               | 345.0 | —    | —     | —   | —   | —   | —   | 65.4  | 345.0 | —   | —   | —   | —   |
| 060-PW                    | 208/230-3-60                  | 106.4              | 304.0 | —    | —     | —   | —   | —   | —   | 147.4 | 414.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 48.7               | 162.0 | —    | —     | —   | —   | —   | —   | 67.9  | 207.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 33.3               | 106.0 | —    | —     | —   | —   | —   | —   | 53.8  | 165.0 | —   | —   | —   | —   |
|                           | 380-3-60                      | 53.8               | 168.0 | —    | —     | —   | —   | —   | —   | 79.5  | 230.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 67.9               | 207.0 | —    | —     | —   | —   | —   | —   | 67.9  | 207.0 | —   | —   | —   | —   |
| 070-XL                    | 208/230-3-60                  | 147.4              | 690.0 | —    | —     | —   | —   | —   | —   | 147.4 | 690.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 65.4               | 345.0 | —    | —     | —   | —   | —   | —   | 65.4  | 345.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 57.1               | 276.0 | —    | —     | —   | —   | —   | —   | 57.1  | 276.0 | —   | —   | —   | —   |
|                           | 380-3-60                      | 78.8               | 382.0 | —    | —     | —   | —   | —   | —   | 78.8  | 382.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 43.6               | 223.0 | 43.6 | 223.0 | —   | —   | —   | —   | 65.4  | 345.0 | —   | —   | —   | —   |
| 070-PW                    | 208/230-3-60                  | 147.4              | 414.0 | —    | —     | —   | —   | —   | —   | 147.4 | 414.0 | —   | —   | —   | —   |
|                           | 460-3-60                      | 67.9               | 207.0 | —    | —     | —   | —   | —   | —   | 67.9  | 207.0 | —   | —   | —   | —   |
|                           | 575-3-60                      | 53.8               | 165.0 | —    | —     | —   | —   | —   | —   | 53.8  | 165.0 | —   | —   | —   | —   |
|                           | 380-3-60                      | 79.5               | 230.0 | —    | —     | —   | —   | —   | —   | 79.5  | 230.0 | —   | —   | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 44.9 | 134.0 | —   | —   | —   | —   | 67.9  | 207.0 | —   | —   | —   | —   |

See legend and notes on page 68.

**Table 6A — Compressor Electrical Data, 30GTN,GTR (cont)**

| UNIT<br>SIZE<br>30GTN,GTR | NOMINAL<br>VOLTAGE<br>V-Ph-Hz | COMPRESSOR NUMBERS |       |       |       |      |       |     |     |       |       |       |       |     |     |
|---------------------------|-------------------------------|--------------------|-------|-------|-------|------|-------|-----|-----|-------|-------|-------|-------|-----|-----|
|                           |                               | A1                 |       | A2    |       | A3   |       | A4  |     | B1    |       | B2    |       | B3  |     |
|                           |                               | RLA                | LRA   | RLA   | LRA   | RLA  | LRA   | RLA | LRA | RLA   | LRA   | RLA   | LRA   | RLA | LRA |
| 080-XL                    | 208/230-3-60                  | 106.4              | 506.0 | 67.9  | 345.0 | —    | —     | —   | —   | 147.4 | 690.0 | —     | —     | —   | —   |
|                           | 460-3-60                      | 46.8               | 253.0 | 34.6  | 173.0 | —    | —     | —   | —   | 65.4  | 345.0 | —     | —     | —   | —   |
|                           | 575-3-60                      | 40.4               | 176.0 | 28.8  | 120.0 | —    | —     | —   | —   | 57.1  | 276.0 | —     | —     | —   | —   |
|                           | 380-3-60                      | 52.6               | 280.0 | 34.6  | 191.0 | —    | —     | —   | —   | 78.8  | 382.0 | —     | —     | —   | —   |
|                           | 380/415-3-50                  | 43.6               | 223.0 | 65.4  | 345.0 | —    | —     | —   | —   | 65.4  | 345.0 | —     | —     | —   | —   |
| 080-PW                    | 208/230-3-60                  | 106.4              | 304.0 | 67.9  | 207.0 | —    | —     | —   | —   | 147.4 | 414.0 | —     | —     | —   | —   |
|                           | 460-3-60                      | 48.7               | 162.0 | 33.3  | 104.0 | —    | —     | —   | —   | 67.9  | 207.0 | —     | —     | —   | —   |
|                           | 575-3-60                      | 33.3               | 106.0 | 28.2  | 72.0  | —    | —     | —   | —   | 53.8  | 165.0 | —     | —     | —   | —   |
|                           | 380-3-60                      | 53.8               | 168.0 | 33.3  | 115.0 | —    | —     | —   | —   | 79.5  | 230.0 | —     | —     | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 67.9  | 207.0 | —    | —     | —   | —   | 67.9  | 207.0 | —     | —     | —   | —   |
| 090-XL                    | 208/230-3-60                  | 89.7               | 446.0 | 67.9  | 345.0 | —    | —     | —   | —   | 89.7  | 446.0 | 89.7  | 446.0 | —   | —   |
|                           | 460-3-60                      | 43.6               | 223.0 | 34.6  | 173.0 | —    | —     | —   | —   | 43.6  | 223.0 | 43.6  | 223.0 | —   | —   |
|                           | 575-3-60                      | 36.5               | 164.0 | 28.8  | 120.0 | —    | —     | —   | —   | 36.5  | 164.0 | 36.5  | 164.0 | —   | —   |
|                           | 380-3-60                      | 45.5               | 247.0 | 34.6  | 191.0 | —    | —     | —   | —   | 45.5  | 247.0 | 45.5  | 247.0 | —   | —   |
|                           | 380/415-3-50                  | 43.6               | 223.0 | 65.4  | 345.0 | —    | —     | —   | —   | 43.6  | 223.0 | 43.6  | 223.0 | —   | —   |
| 090-PW                    | 208/230-3-60                  | 89.7               | 268.0 | 67.9  | 207.0 | —    | —     | —   | —   | 89.7  | 268.0 | 89.7  | 268.0 | —   | —   |
|                           | 460-3-60                      | 44.9               | 134.0 | 33.3  | 104.0 | —    | —     | —   | —   | 44.9  | 134.0 | 44.9  | 134.0 | —   | —   |
|                           | 575-3-60                      | 33.3               | 98.0  | 28.2  | 72.0  | —    | —     | —   | —   | 33.3  | 98.0  | 33.3  | 98.0  | —   | —   |
|                           | 380-3-60                      | 44.9               | 148.0 | 33.3  | 115.0 | —    | —     | —   | —   | 44.9  | 148.0 | 44.9  | 148.0 | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 67.9  | 207.0 | —    | —     | —   | —   | 44.9  | 134.0 | 44.9  | 134.0 | —   | —   |
| 100-XL                    | 208/230-3-60                  | 89.7               | 446.0 | 106.4 | 608.0 | —    | —     | —   | —   | 89.7  | 446.0 | 106.4 | 608.0 | —   | —   |
|                           | 460-3-60                      | 43.6               | 223.0 | 46.8  | 253.0 | —    | —     | —   | —   | 43.6  | 223.0 | 46.8  | 253.0 | —   | —   |
|                           | 575-3-60                      | 36.5               | 164.0 | 40.4  | 176.0 | —    | —     | —   | —   | 36.5  | 164.0 | 40.4  | 176.0 | —   | —   |
|                           | 380-3-60                      | 45.5               | 247.0 | 52.6  | 280.0 | —    | —     | —   | —   | 45.5  | 247.0 | 52.6  | 280.0 | —   | —   |
|                           | 380/415-3-50                  | 43.6               | 223.0 | 65.4  | 345.0 | —    | —     | —   | —   | 43.6  | 223.0 | 65.4  | 345.0 | —   | —   |
| 100-PW                    | 208/230-3-60                  | 89.7               | 268.0 | 106.4 | 304.0 | —    | —     | —   | —   | 89.7  | 268.0 | 106.4 | 304.0 | —   | —   |
|                           | 460-3-60                      | 44.9               | 134.0 | 48.7  | 162.0 | —    | —     | —   | —   | 44.9  | 134.0 | 48.7  | 162.0 | —   | —   |
|                           | 575-3-60                      | 33.3               | 98.0  | 33.3  | 106.0 | —    | —     | —   | —   | 33.3  | 98.0  | 33.3  | 106.0 | —   | —   |
|                           | 380-3-60                      | 44.9               | 148.0 | 53.8  | 168.0 | —    | —     | —   | —   | 44.9  | 148.0 | 53.8  | 168.0 | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 67.9  | 207.0 | —    | —     | —   | —   | 44.9  | 134.0 | 67.9  | 207.0 | —   | —   |
| 110-XL                    | 208/230-3-60                  | 89.7               | 446.0 | 147.4 | 690.0 | —    | —     | —   | —   | 89.7  | 446.0 | 106.4 | 506.0 | —   | —   |
|                           | 460-3-60                      | 43.6               | 223.0 | 65.4  | 345.0 | —    | —     | —   | —   | 43.6  | 223.0 | 46.8  | 253.0 | —   | —   |
|                           | 575-3-60                      | 36.5               | 164.0 | 57.1  | 276.0 | —    | —     | —   | —   | 36.5  | 164.0 | 40.4  | 176.0 | —   | —   |
|                           | 380-3-60                      | 45.5               | 247.0 | 78.8  | 382.0 | —    | —     | —   | —   | 45.5  | 247.0 | 52.6  | 280.0 | —   | —   |
|                           | 380/415-3-50                  | 65.4               | 345.0 | 65.4  | 345.0 | —    | —     | —   | —   | 65.4  | 345.0 | 65.4  | 345.0 | —   | —   |
| 110-PW                    | 208/230-3-60                  | 89.7               | 268.0 | 147.4 | 414.0 | —    | —     | —   | —   | 89.7  | 268.0 | 106.4 | 304.0 | —   | —   |
|                           | 460-3-60                      | 44.9               | 134.0 | 67.9  | 207.0 | —    | —     | —   | —   | 44.9  | 134.0 | 48.7  | 162.0 | —   | —   |
|                           | 575-3-60                      | 33.3               | 98.0  | 53.8  | 165.0 | —    | —     | —   | —   | 33.3  | 98.0  | 33.3  | 106.0 | —   | —   |
|                           | 380-3-60                      | 44.9               | 148.0 | 79.5  | 230.0 | —    | —     | —   | —   | 44.9  | 148.0 | 53.8  | 168.0 | —   | —   |
|                           | 380/415-3-50                  | 67.9               | 207.0 | 67.9  | 207.0 | —    | —     | —   | —   | 67.9  | 207.0 | 67.9  | 207.0 | —   | —   |
| 130-XL                    | 208/230-3-60                  | 107.7              | 506.0 | 151.3 | 690.0 | —    | —     | —   | —   | 107.7 | 506.0 | 151.3 | 690.0 | —   | —   |
|                           | 460-3-60                      | 46.8               | 253.0 | 65.4  | 345.0 | —    | —     | —   | —   | 46.8  | 253.0 | 65.4  | 345.0 | —   | —   |
|                           | 575-3-60                      | 41.7               | 176.0 | 57.1  | 276.0 | —    | —     | —   | —   | 41.7  | 176.0 | 57.1  | 276.0 | —   | —   |
|                           | 380-3-60                      | 55.8               | 280.0 | 80.2  | 382.0 | —    | —     | —   | —   | 55.8  | 280.0 | 80.2  | 382.0 | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 223.0 | 46.8  | 253.0 | 46.8 | 253.0 | —   | —   | 65.5  | 345.0 | 65.5  | 345.0 | —   | —   |
| 130-PW                    | 208/230-3-60                  | 107.7              | 304.0 | 151.3 | 414.0 | —    | —     | —   | —   | 107.7 | 304.0 | 151.3 | 414.0 | —   | —   |
|                           | 460-3-60                      | 46.8               | 152.0 | 65.4  | 207.0 | —    | —     | —   | —   | 46.8  | 152.0 | 65.4  | 207.0 | —   | —   |
|                           | 575-3-60                      | 41.7               | 106.0 | 57.1  | 165.0 | —    | —     | —   | —   | 41.7  | 106.0 | 57.1  | 165.0 | —   | —   |
|                           | 380-3-60                      | 55.8               | 168.0 | 80.2  | 230.0 | —    | —     | —   | —   | 55.8  | 168.0 | 80.2  | 230.0 | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 46.8  | 152.0 | 46.8 | 152.0 | —   | —   | 65.5  | 207.0 | 65.5  | 207.0 | —   | —   |
| 150-XL                    | 208/230-3-60                  | 89.8               | 446.0 | 89.8  | 446.0 | 89.8 | 446.0 | —   | —   | 151.3 | 690.0 | 151.3 | 690.0 | —   | —   |
|                           | 460-3-60                      | 44.9               | 223.0 | 44.9  | 223.0 | 44.9 | 223.0 | —   | —   | 65.4  | 345.0 | 65.4  | 345.0 | —   | —   |
|                           | 575-3-60                      | 36.6               | 164.0 | 36.6  | 164.0 | 36.6 | 164.0 | —   | —   | 57.1  | 276.0 | 57.1  | 276.0 | —   | —   |
|                           | 380-3-60                      | 46.8               | 247.0 | 46.8  | 247.0 | 46.8 | 247.0 | —   | —   | 80.2  | 382.0 | 80.2  | 382.0 | —   | —   |
|                           | 380/415-3-50                  | 65.5               | 345.0 | 65.5  | 345.0 | 65.5 | 345.0 | —   | —   | 65.5  | 345.0 | 65.5  | 345.0 | —   | —   |
| 150-PW                    | 208/230-3-60                  | 89.8               | 268.0 | 89.8  | 268.0 | 89.8 | 268.0 | —   | —   | 151.3 | 414.0 | 151.3 | 414.0 | —   | —   |
|                           | 460-3-60                      | 44.9               | 134.0 | 44.9  | 134.0 | 44.9 | 134.0 | —   | —   | 65.4  | 207.0 | 65.4  | 207.0 | —   | —   |
|                           | 575-3-60                      | 36.6               | 98.0  | 36.6  | 98.0  | 36.6 | 98.0  | —   | —   | 57.1  | 165.0 | 57.1  | 165.0 | —   | —   |
|                           | 380-3-60                      | 46.8               | 148.0 | 46.8  | 148.0 | 46.8 | 148.0 | —   | —   | 80.2  | 230.0 | 80.2  | 230.0 | —   | —   |
|                           | 380/415-3-50                  | 65.5               | 207.0 | 65.5  | 207.0 | 65.5 | 207.0 | —   | —   | 65.5  | 207.0 | 65.5  | 207.0 | —   | —   |

See legend and notes on page 68.

**Table 6A — Compressor Electrical Data, 30GTN,GTR (cont)**

| UNIT<br>SIZE<br>30GTN,GTR | NOMINAL<br>VOLTAGE<br>V-Ph-Hz | COMPRESSOR NUMBERS |       |       |       |       |       |       |     |       |       |       |       |       |       |
|---------------------------|-------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|
|                           |                               | A1                 |       | A2    |       | A3    |       | A4    |     | B1    |       | B2    |       | B3    |       |
|                           |                               | RLA                | LRA   | RLA   | LRA   | RLA   | LRA   | RLA   | LRA | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   |
| 170-XL                    | 208/230-3-60                  | 107.7              | 506.0 | 107.7 | 506.0 | 107.7 | 506.0 | —     | —   | 107.7 | 506.0 | 107.7 | 506.0 | 107.7 | 506.0 |
|                           | 460-3-60                      | 46.8               | 253.0 | 46.8  | 253.0 | 46.8  | 253.0 | —     | —   | 46.8  | 253.0 | 46.8  | 253.0 | 46.8  | 253.0 |
|                           | 575-3-60                      | 41.7               | 176.0 | 41.7  | 176.0 | 41.7  | 176.0 | —     | —   | 41.7  | 176.0 | 41.7  | 176.0 | 41.7  | 176.0 |
|                           | 380-3-60                      | 55.8               | 280.0 | 55.8  | 280.0 | 55.8  | 280.0 | —     | —   | 55.8  | 280.0 | 55.8  | 280.0 | 55.8  | 280.0 |
|                           | 380/415-3-50                  | 46.8               | 253.0 | 46.8  | 253.0 | 65.5  | 345.0 | —     | —   | 46.8  | 253.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 170-PW                    | 208/230-3-60                  | 107.7              | 304.0 | 107.7 | 304.0 | 107.7 | 304.0 | —     | —   | 107.7 | 304.0 | 107.7 | 304.0 | 107.7 | 304.0 |
|                           | 460-3-60                      | 46.8               | 152.0 | 46.8  | 152.0 | 46.8  | 152.0 | —     | —   | 46.8  | 152.0 | 46.8  | 152.0 | 46.8  | 152.0 |
|                           | 575-3-60                      | 41.7               | 106.0 | 41.7  | 106.0 | 41.7  | 106.0 | —     | —   | 41.7  | 106.0 | 41.7  | 106.0 | 41.7  | 106.0 |
|                           | 380-3-60                      | 55.8               | 168.0 | 55.8  | 168.0 | 55.8  | 168.0 | —     | —   | 55.8  | 168.0 | 55.8  | 168.0 | 55.8  | 168.0 |
|                           | 380/415-3-50                  | 46.8               | 152.0 | 46.8  | 152.0 | 65.5  | 207.0 | —     | —   | 46.8  | 152.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| 190-XL                    | 208/230-3-60                  | 89.8               | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 | —     | —   | 89.8  | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 | —     | —   | 44.9  | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 | —     | —   | 36.6  | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 | —     | —   | 46.8  | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 65.5               | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | —     | —   | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 190-PW                    | 208/230-3-60                  | 89.8               | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 | —     | —   | 89.8  | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 | —     | —   | 44.9  | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 | —     | —   | 36.6  | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 | —     | —   | 46.8  | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 65.5               | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | —     | —   | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| 210-XL                    | 208/230-3-60                  | 89.8               | 446.0 | 89.8  | 446.0 | 89.8  | 446.0 | 107.7 | 506 | 107.7 | 506.0 | 151.3 | 690.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 44.9  | 223.0 | 44.9  | 223.0 | 46.8  | 253 | 46.8  | 253.0 | 65.4  | 345.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 36.6  | 164.0 | 36.6  | 164.0 | 41.7  | 176 | 41.7  | 176.0 | 57.1  | 276.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 46.8  | 247.0 | 46.8  | 247.0 | 55.8  | 280 | 55.8  | 280.0 | 80.2  | 382.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 44.9               | 223.0 | 44.9  | 223.0 | 65.5  | 345.0 | 65.5  | 345 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 210-PW                    | 208/230-3-60                  | 89.8               | 268.0 | 89.8  | 268.0 | 89.8  | 268.0 | 107.7 | 304 | 107.7 | 304.0 | 151.3 | 414.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 44.9  | 134.0 | 44.9  | 134.0 | 46.8  | 152 | 46.8  | 152.0 | 65.4  | 207.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 36.6  | 98.0  | 36.6  | 98.0  | 41.7  | 106 | 41.7  | 106.0 | 57.1  | 165.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 46.8  | 148.0 | 46.8  | 148.0 | 55.8  | 168 | 55.8  | 168.0 | 80.2  | 230.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 44.9  | 134.0 | 65.5  | 207.0 | 65.5  | 207 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 |

See legend and notes on page 68.

**Table 6A — Compressor Electrical Data, 30GTN,GTR (cont)**

| UNIT<br>SIZE<br>30GTN,GTR | NOMINAL<br>VOLTAGE<br>V-Ph-Hz | COMPRESSOR NUMBERS |       |       |       |       |       |     |     |       |       |       |       |       |       |
|---------------------------|-------------------------------|--------------------|-------|-------|-------|-------|-------|-----|-----|-------|-------|-------|-------|-------|-------|
|                           |                               | A1                 |       | A2    |       | A3    |       | A4  |     | B1    |       | B2    |       | B3    |       |
|                           |                               | RLA                | LRA   | RLA   | LRA   | RLA   | LRA   | RLA | LRA | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   |
| 230A-XL                   | 208/230-3-60                  | 89.8               | 446.0 | 89.8  | 446.0 | 89.8  | 446.0 | —   | —   | 151.3 | 690.0 | 151.3 | 690.0 | —     | —     |
|                           | 460-3-60                      | 44.9               | 223.0 | 44.9  | 223.0 | 44.9  | 223.0 | —   | —   | 65.4  | 345.0 | 65.4  | 345.0 | —     | —     |
|                           | 575-3-60                      | 36.6               | 164.0 | 36.6  | 164.0 | 36.6  | 164.0 | —   | —   | 57.1  | 276.0 | 57.1  | 276.0 | —     | —     |
|                           | 380-3-60                      | 46.8               | 247.0 | 46.8  | 247.0 | 46.8  | 247.0 | —   | —   | 80.2  | 382.0 | 80.2  | 382.0 | —     | —     |
|                           | 380/415-3-50                  | 65.5               | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | —   | —   | 65.5  | 345.0 | 65.5  | 345.0 | —     | —     |
| 230A-PW                   | 208/230-3-60                  | 89.8               | 268.0 | 89.8  | 268.0 | 89.8  | 268.0 | —   | —   | 151.3 | 414.0 | 151.3 | 414.0 | —     | —     |
|                           | 460-3-60                      | 44.9               | 134.0 | 44.9  | 134.0 | 44.9  | 134.0 | —   | —   | 65.4  | 207.0 | 65.4  | 207.0 | —     | —     |
|                           | 575-3-60                      | 36.6               | 98.0  | 36.6  | 98.0  | 36.6  | 98.0  | —   | —   | 57.1  | 165.0 | 57.1  | 165.0 | —     | —     |
|                           | 380-3-60                      | 46.8               | 148.0 | 46.8  | 148.0 | 46.8  | 148.0 | —   | —   | 80.2  | 230.0 | 80.2  | 230.0 | —     | —     |
|                           | 380/415-3-50                  | 65.5               | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | —   | —   | 65.5  | 207.0 | 65.5  | 207.0 | —     | —     |
| 245A-XL                   | 208/230-3-60                  | 89.8               | 446.0 | 89.8  | 446.0 | 89.8  | 446.0 | —   | —   | 151.3 | 690.0 | 151.3 | 690.0 | —     | —     |
|                           | 460-3-60                      | 44.9               | 223.0 | 44.9  | 223.0 | 44.9  | 223.0 | —   | —   | 65.4  | 345.0 | 65.4  | 345.0 | —     | —     |
|                           | 575-3-60                      | 36.6               | 164.0 | 36.6  | 164.0 | 36.6  | 164.0 | —   | —   | 57.1  | 276.0 | 57.1  | 276.0 | —     | —     |
|                           | 380-3-60                      | 46.8               | 247.0 | 46.8  | 247.0 | 46.8  | 247.0 | —   | —   | 80.2  | 382.0 | 80.2  | 382.0 | —     | —     |
|                           | 380/415-3-50                  | 65.5               | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | —   | —   | 65.5  | 345.0 | 65.5  | 345.0 | —     | —     |
| 245A-PW                   | 208/230-3-60                  | 89.8               | 268.0 | 89.8  | 268.0 | 89.8  | 268.0 | —   | —   | 151.3 | 414.0 | 151.3 | 414.0 | —     | —     |
|                           | 460-3-60                      | 44.9               | 134.0 | 44.9  | 134.0 | 44.9  | 134.0 | —   | —   | 65.4  | 207.0 | 65.4  | 207.0 | —     | —     |
|                           | 575-3-60                      | 36.6               | 98.0  | 36.6  | 98.0  | 36.6  | 98.0  | —   | —   | 57.1  | 165.0 | 57.1  | 165.0 | —     | —     |
|                           | 380-3-60                      | 46.8               | 148.0 | 46.8  | 148.0 | 46.8  | 148.0 | —   | —   | 80.2  | 230.0 | 80.2  | 230.0 | —     | —     |
|                           | 380/415-3-50                  | 65.5               | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | —   | —   | 65.5  | 207.0 | 65.5  | 207.0 | —     | —     |
| 255A-XL                   | 208/230-3-60                  | 89.8               | 446.0 | 89.8  | 446.0 | 89.8  | 446.0 | —   | —   | 151.3 | 690.0 | 151.3 | 690.0 | —     | —     |
|                           | 460-3-60                      | 44.9               | 223.0 | 44.9  | 223.0 | 44.9  | 223.0 | —   | —   | 65.4  | 345.0 | 65.4  | 345.0 | —     | —     |
|                           | 575-3-60                      | 36.6               | 164.0 | 36.6  | 164.0 | 36.6  | 164.0 | —   | —   | 57.1  | 276.0 | 57.1  | 276.0 | —     | —     |
|                           | 380-3-60                      | 46.8               | 247.0 | 46.8  | 247.0 | 46.8  | 247.0 | —   | —   | 80.2  | 382.0 | 80.2  | 382.0 | —     | —     |
|                           | 380/415-3-50                  | 65.5               | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | —   | —   | 65.5  | 345.0 | 65.5  | 345.0 | —     | —     |
| 255A-PW                   | 208/230-3-60                  | 89.8               | 268.0 | 89.8  | 268.0 | 89.8  | 268.0 | —   | —   | 151.3 | 414.0 | 151.3 | 414.0 | —     | —     |
|                           | 460-3-60                      | 44.9               | 134.0 | 44.9  | 134.0 | 44.9  | 134.0 | —   | —   | 65.4  | 207.0 | 65.4  | 207.0 | —     | —     |
|                           | 575-3-60                      | 36.6               | 98.0  | 36.6  | 98.0  | 36.6  | 98.0  | —   | —   | 57.1  | 165.0 | 57.1  | 165.0 | —     | —     |
|                           | 380-3-60                      | 46.8               | 148.0 | 46.8  | 148.0 | 46.8  | 148.0 | —   | —   | 80.2  | 230.0 | 80.2  | 230.0 | —     | —     |
|                           | 380/415-3-50                  | 65.5               | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | —   | —   | 65.5  | 207.0 | 65.5  | 207.0 | —     | —     |
| 270A-XL                   | 208/230-3-60                  | 107.7              | 506.0 | 107.7 | 506.0 | 107.7 | 506.0 | —   | —   | 107.7 | 506.0 | 107.7 | 506.0 | 107.7 | 506.0 |
|                           | 460-3-60                      | 46.8               | 253.0 | 46.8  | 253.0 | 46.8  | 253.0 | —   | —   | 46.8  | 253.0 | 46.8  | 253.0 | 46.8  | 253.0 |
|                           | 575-3-60                      | 41.7               | 176.0 | 41.7  | 176.0 | 41.7  | 176.0 | —   | —   | 41.7  | 176.0 | 41.7  | 176.0 | 41.7  | 176.0 |
|                           | 380-3-60                      | 55.8               | 280.0 | 55.8  | 280.0 | 55.8  | 280.0 | —   | —   | 55.8  | 280.0 | 55.8  | 280.0 | 55.8  | 280.0 |
|                           | 380/415-3-50                  | 46.8               | 253.0 | 46.8  | 253.0 | 65.5  | 345.0 | —   | —   | 46.8  | 253.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 270A-PW                   | 208/230-3-60                  | 107.7              | 304.0 | 107.7 | 304.0 | 107.7 | 304.0 | —   | —   | 107.7 | 304.0 | 107.7 | 304.0 | 107.7 | 304.0 |
|                           | 460-3-60                      | 46.8               | 152.0 | 46.8  | 152.0 | 46.8  | 152.0 | —   | —   | 46.8  | 152.0 | 46.8  | 152.0 | 46.8  | 152.0 |
|                           | 575-3-60                      | 41.7               | 106.0 | 41.7  | 106.0 | 41.7  | 106.0 | —   | —   | 41.7  | 106.0 | 41.7  | 106.0 | 41.7  | 106.0 |
|                           | 380-3-60                      | 55.8               | 168.0 | 55.8  | 168.0 | 55.8  | 168.0 | —   | —   | 55.8  | 168.0 | 55.8  | 168.0 | 55.8  | 168.0 |
|                           | 380/415-3-50                  | 46.8               | 152.0 | 46.8  | 152.0 | 65.5  | 207.0 | —   | —   | 46.8  | 152.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| 290A-XL                   | 208/230-3-60                  | 89.8               | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 | —   | —   | 89.8  | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 | —   | —   | 44.9  | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 | —   | —   | 36.6  | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 | —   | —   | 46.8  | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 65.5               | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | —   | —   | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 290A-PW                   | 208/230-3-60                  | 89.8               | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 | —   | —   | 89.8  | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 | —   | —   | 44.9  | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 | —   | —   | 36.6  | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 | —   | —   | 46.8  | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 65.5               | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | —   | —   | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 |

See legend and notes on page 68.

**Table 6A — Compressor Electrical Data, 30GTN,GTR (cont)**

| UNIT<br>SIZE<br>30GTN,GTR | NOMINAL<br>VOLTAGE<br>V-Ph-Hz | COMPRESSOR NUMBERS |       |       |       |     |     |     |     |       |       |       |       |     |     |
|---------------------------|-------------------------------|--------------------|-------|-------|-------|-----|-----|-----|-----|-------|-------|-------|-------|-----|-----|
|                           |                               | A1                 |       | A2    |       | A3  |     | A4  |     | B1    |       | B2    |       | B3  |     |
|                           |                               | RLA                | LRA   | RLA   | LRA   | RLA | LRA | RLA | LRA | RLA   | LRA   | RLA   | LRA   | RLA | LRA |
| <b>230B-XL</b>            | 208/230-3-60                  | 106.4              | 506.0 | 67.9  | 345.0 | —   | —   | —   | —   | 147.4 | 690.0 | —     | —     | —   | —   |
|                           | 460-3-60                      | 46.8               | 253.0 | 34.6  | 173.0 | —   | —   | —   | —   | 65.4  | 345.0 | —     | —     | —   | —   |
|                           | 575-3-60                      | 40.4               | 176.0 | 28.8  | 120.0 | —   | —   | —   | —   | 57.1  | 276.0 | —     | —     | —   | —   |
|                           | 380-3-60                      | 52.6               | 280.0 | 34.6  | 191.0 | —   | —   | —   | —   | 78.8  | 382.0 | —     | —     | —   | —   |
|                           | 380/415-3-50                  | 43.6               | 223.0 | 65.4  | 345.0 | —   | —   | —   | —   | 65.4  | 345.0 | —     | —     | —   | —   |
| <b>230B-PW</b>            | 208/230-3-60                  | 106.4              | 304.0 | 67.9  | 207.0 | —   | —   | —   | —   | 147.4 | 414.0 | —     | —     | —   | —   |
|                           | 460-3-60                      | 48.7               | 162.0 | 33.3  | 104.0 | —   | —   | —   | —   | 67.9  | 207.0 | —     | —     | —   | —   |
|                           | 575-3-60                      | 33.3               | 106.0 | 28.2  | 72.0  | —   | —   | —   | —   | 53.8  | 165.0 | —     | —     | —   | —   |
|                           | 380-3-60                      | 53.8               | 168.0 | 33.3  | 115.0 | —   | —   | —   | —   | 79.5  | 230.0 | —     | —     | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 67.9  | 207.0 | —   | —   | —   | —   | 67.9  | 207.0 | —     | —     | —   | —   |
| <b>245B-XL</b>            | 208/230-3-60                  | 89.7               | 446.0 | 67.9  | 345.0 | —   | —   | —   | —   | 89.7  | 446.0 | 89.7  | 446.0 | —   | —   |
|                           | 460-3-60                      | 43.6               | 223.0 | 34.6  | 173.0 | —   | —   | —   | —   | 43.6  | 223.0 | 43.6  | 223.0 | —   | —   |
|                           | 575-3-60                      | 36.5               | 164.0 | 28.8  | 120.0 | —   | —   | —   | —   | 36.5  | 164.0 | 36.5  | 164.0 | —   | —   |
|                           | 380-3-60                      | 45.5               | 247.0 | 34.6  | 191.0 | —   | —   | —   | —   | 45.5  | 247.0 | 45.5  | 247.0 | —   | —   |
|                           | 380/415-3-50                  | 43.6               | 223.0 | 65.4  | 345.0 | —   | —   | —   | —   | 43.6  | 223.0 | 43.6  | 223.0 | —   | —   |
| <b>245B-PW</b>            | 208/230-3-60                  | 89.7               | 268.0 | 67.9  | 207.0 | —   | —   | —   | —   | 89.7  | 268.0 | 89.7  | 268.0 | —   | —   |
|                           | 460-3-60                      | 44.9               | 134.0 | 33.3  | 104.0 | —   | —   | —   | —   | 44.9  | 134.0 | 44.9  | 134.0 | —   | —   |
|                           | 575-3-60                      | 33.3               | 98.0  | 28.2  | 72.0  | —   | —   | —   | —   | 33.3  | 98.0  | 33.3  | 98.0  | —   | —   |
|                           | 380-3-60                      | 44.9               | 148.0 | 33.3  | 115.0 | —   | —   | —   | —   | 44.9  | 148.0 | 44.9  | 148.0 | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 67.9  | 207.0 | —   | —   | —   | —   | 44.9  | 134.0 | 44.9  | 134.0 | —   | —   |
| <b>255B-XL</b>            | 208/230-3-60                  | 89.7               | 446.0 | 106.4 | 608.0 | —   | —   | —   | —   | 89.7  | 446.0 | 106.4 | 608.0 | —   | —   |
|                           | 460-3-60                      | 43.6               | 223.0 | 46.8  | 253.0 | —   | —   | —   | —   | 43.6  | 223.0 | 46.8  | 253.0 | —   | —   |
|                           | 575-3-60                      | 36.5               | 164.0 | 40.4  | 176.0 | —   | —   | —   | —   | 36.5  | 164.0 | 40.4  | 176.0 | —   | —   |
|                           | 380-3-60                      | 45.5               | 247.0 | 52.6  | 280.0 | —   | —   | —   | —   | 45.5  | 247.0 | 52.6  | 280.0 | —   | —   |
|                           | 380/415-3-50                  | 43.6               | 223.0 | 65.4  | 345.0 | —   | —   | —   | —   | 43.6  | 223.0 | 65.4  | 345.0 | —   | —   |
| <b>255B-PW</b>            | 208/230-3-60                  | 89.7               | 268.0 | 106.4 | 304.0 | —   | —   | —   | —   | 89.7  | 268.0 | 106.4 | 304.0 | —   | —   |
|                           | 460-3-60                      | 44.9               | 134.0 | 48.7  | 162.0 | —   | —   | —   | —   | 44.9  | 134.0 | 48.7  | 162.0 | —   | —   |
|                           | 575-3-60                      | 33.3               | 98.0  | 33.3  | 106.0 | —   | —   | —   | —   | 33.3  | 98.0  | 33.3  | 106.0 | —   | —   |
|                           | 380-3-60                      | 44.9               | 148.0 | 53.8  | 168.0 | —   | —   | —   | —   | 44.9  | 148.0 | 53.8  | 168.0 | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 67.9  | 207.0 | —   | —   | —   | —   | 44.9  | 134.0 | 67.9  | 207.0 | —   | —   |
| <b>270B-XL</b>            | 208/230-3-60                  | 89.7               | 446.0 | 106.4 | 608.0 | —   | —   | —   | —   | 89.7  | 446.0 | 106.4 | 608.0 | —   | —   |
|                           | 460-3-60                      | 43.6               | 223.0 | 46.8  | 253.0 | —   | —   | —   | —   | 43.6  | 223.0 | 46.8  | 253.0 | —   | —   |
|                           | 575-3-60                      | 36.5               | 164.0 | 40.4  | 176.0 | —   | —   | —   | —   | 36.5  | 164.0 | 40.4  | 176.0 | —   | —   |
|                           | 380-3-60                      | 45.5               | 247.0 | 52.6  | 280.0 | —   | —   | —   | —   | 45.5  | 247.0 | 52.6  | 280.0 | —   | —   |
|                           | 380/415-3-50                  | 43.6               | 223.0 | 65.4  | 345.0 | —   | —   | —   | —   | 43.6  | 223.0 | 65.4  | 345.0 | —   | —   |
| <b>270B-PW</b>            | 208/230-3-60                  | 89.7               | 268.0 | 106.4 | 304.0 | —   | —   | —   | —   | 89.7  | 268.0 | 106.4 | 304.0 | —   | —   |
|                           | 460-3-60                      | 44.9               | 134.0 | 48.7  | 162.0 | —   | —   | —   | —   | 44.9  | 134.0 | 48.7  | 162.0 | —   | —   |
|                           | 575-3-60                      | 33.3               | 98.0  | 33.3  | 106.0 | —   | —   | —   | —   | 33.3  | 98.0  | 33.3  | 106.0 | —   | —   |
|                           | 380-3-60                      | 44.9               | 148.0 | 53.8  | 168.0 | —   | —   | —   | —   | 44.9  | 148.0 | 53.8  | 168.0 | —   | —   |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 67.9  | 207.0 | —   | —   | —   | —   | 44.9  | 134.0 | 67.9  | 207.0 | —   | —   |
| <b>290B-XL</b>            | 208/230-3-60                  | 89.7               | 446.0 | 147.4 | 690.0 | —   | —   | —   | —   | 89.7  | 446.0 | 106.4 | 506.0 | —   | —   |
|                           | 460-3-60                      | 43.6               | 223.0 | 65.4  | 345.0 | —   | —   | —   | —   | 43.6  | 223.0 | 46.8  | 253.0 | —   | —   |
|                           | 575-3-60                      | 36.5               | 164.0 | 57.1  | 276.0 | —   | —   | —   | —   | 36.5  | 164.0 | 40.4  | 176.0 | —   | —   |
|                           | 380-3-60                      | 45.5               | 247.0 | 78.8  | 382.0 | —   | —   | —   | —   | 45.5  | 247.0 | 52.6  | 280.0 | —   | —   |
|                           | 380/415-3-50                  | 65.4               | 345.0 | 65.4  | 345.0 | —   | —   | —   | —   | 65.4  | 345.0 | 65.4  | 345.0 | —   | —   |
| <b>290B-PW</b>            | 208/230-3-60                  | 89.7               | 268.0 | 147.4 | 414.0 | —   | —   | —   | —   | 89.7  | 268.0 | 106.4 | 304.0 | —   | —   |
|                           | 460-3-60                      | 44.9               | 134.0 | 67.9  | 207.0 | —   | —   | —   | —   | 44.9  | 134.0 | 48.7  | 162.0 | —   | —   |
|                           | 575-3-60                      | 33.3               | 98.0  | 53.8  | 165.0 | —   | —   | —   | —   | 33.3  | 98.0  | 33.3  | 106.0 | —   | —   |
|                           | 380-3-60                      | 44.9               | 148.0 | 79.5  | 230.0 | —   | —   | —   | —   | 44.9  | 148.0 | 53.8  | 168.0 | —   | —   |
|                           | 380/415-3-50                  | 67.9               | 207.0 | 67.9  | 207.0 | —   | —   | —   | —   | 67.9  | 207.0 | 67.9  | 207.0 | —   | —   |

See legend and notes on page 68.

**Table 6A — Compressor Electrical Data, 30GTN,GTR (cont)**

| UNIT<br>SIZE<br>30GTN,GTR | NOMINAL<br>VOLTAGE<br>V-Ph-Hz | COMPRESSOR NUMBERS |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------|-------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                           |                               | A1                 |       | A2    |       | A3    |       | A4    |       | B1    |       | B2    |       | B3    |       |
|                           |                               | RLA                | LRA   | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   |
| 315A-XL                   | 208/230-3-60                  | 89.8               | 446.0 | 89.8  | 446.0 | 89.8  | 446.0 | 107.7 | 506.0 | 107.7 | 506.0 | 151.3 | 690.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 44.9  | 223.0 | 44.9  | 223.0 | 46.8  | 253.0 | 46.8  | 253.0 | 65.4  | 345.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 36.6  | 164.0 | 36.6  | 164.0 | 41.7  | 176.0 | 41.7  | 176.0 | 57.1  | 276.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 46.8  | 247.0 | 46.8  | 247.0 | 55.8  | 280.0 | 55.8  | 280.0 | 80.2  | 382.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 44.9               | 223.0 | 44.9  | 223.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 315A-PW                   | 208/230-3-60                  | 89.8               | 268.0 | 89.8  | 268.0 | 89.8  | 268.0 | 107.7 | 304.0 | 107.7 | 304.0 | 151.3 | 414.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 44.9  | 134.0 | 44.9  | 134.0 | 46.8  | 152.0 | 46.8  | 152.0 | 65.4  | 207.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 36.6  | 98.0  | 36.6  | 98.0  | 41.7  | 106.0 | 41.7  | 106.0 | 57.1  | 165.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 46.8  | 148.0 | 46.8  | 148.0 | 55.8  | 168.0 | 55.8  | 168.0 | 80.2  | 230.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 44.9  | 134.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| 330A-XL                   | 208/230-3-60                  | 107.7              | 506.0 | 107.7 | 506.0 | 107.7 | 506.0 | —     | —     | 107.7 | 506.0 | 107.7 | 506.0 | 107.7 | 506.0 |
|                           | 460-3-60                      | 46.8               | 253.0 | 46.8  | 253.0 | 46.8  | 253.0 | —     | —     | 46.8  | 253.0 | 46.8  | 253.0 | 46.8  | 253.0 |
|                           | 575-3-60                      | 41.7               | 176.0 | 41.7  | 176.0 | 41.7  | 176.0 | —     | —     | 41.7  | 176.0 | 41.7  | 176.0 | 41.7  | 176.0 |
|                           | 380-3-60                      | 55.8               | 280.0 | 55.8  | 280.0 | 55.8  | 280.0 | —     | —     | 55.8  | 280.0 | 55.8  | 280.0 | 55.8  | 280.0 |
|                           | 380/415-3-50                  | 46.8               | 253.0 | 46.8  | 253.0 | 65.5  | 345.0 | —     | —     | 46.8  | 253.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 330A-PW                   | 208/230-3-60                  | 107.7              | 304.0 | 107.7 | 304.0 | 107.7 | 304.0 | —     | —     | 107.7 | 304.0 | 107.7 | 304.0 | 107.7 | 304.0 |
|                           | 460-3-60                      | 46.8               | 152.0 | 46.8  | 152.0 | 46.8  | 152.0 | —     | —     | 46.8  | 152.0 | 46.8  | 152.0 | 46.8  | 152.0 |
|                           | 575-3-60                      | 41.7               | 106.0 | 41.7  | 106.0 | 41.7  | 106.0 | —     | —     | 41.7  | 106.0 | 41.7  | 106.0 | 41.7  | 106.0 |
|                           | 380-3-60                      | 55.8               | 168.0 | 55.8  | 168.0 | 55.8  | 168.0 | —     | —     | 55.8  | 168.0 | 55.8  | 168.0 | 55.8  | 168.0 |
|                           | 380/415-3-50                  | 46.8               | 152.0 | 46.8  | 152.0 | 65.5  | 207.0 | —     | —     | 46.8  | 152.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| 360A-XL                   | 208/230-3-60                  | 89.8               | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 | —     | —     | 89.8  | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 | —     | —     | 44.9  | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 | —     | —     | 36.6  | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 | —     | —     | 46.8  | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 65.5               | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | —     | —     | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 360A-PW                   | 208/230-3-60                  | 89.8               | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 | —     | —     | 89.8  | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 | —     | —     | 44.9  | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 | —     | —     | 36.6  | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 | —     | —     | 46.8  | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 65.5               | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | —     | —     | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| 390A-XL                   | 208/230-3-60                  | 89.8               | 446.0 | 89.8  | 446.0 | 89.8  | 446.0 | 107.7 | 506.0 | 107.7 | 506.0 | 151.3 | 690.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 44.9  | 223.0 | 44.9  | 223.0 | 46.8  | 253.0 | 46.8  | 253.0 | 65.4  | 345.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 36.6  | 164.0 | 36.6  | 164.0 | 41.7  | 176.0 | 41.7  | 176.0 | 57.1  | 276.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 46.8  | 247.0 | 46.8  | 247.0 | 55.8  | 280.0 | 55.8  | 280.0 | 80.2  | 382.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 44.9               | 223.0 | 44.9  | 223.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 390A-PW                   | 208/230-3-60                  | 89.8               | 268.0 | 89.8  | 268.0 | 89.8  | 268.0 | 107.7 | 304.0 | 107.7 | 304.0 | 151.3 | 414.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 44.9  | 134.0 | 44.9  | 134.0 | 46.8  | 152.0 | 46.8  | 152.0 | 65.4  | 207.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 36.6  | 98.0  | 36.6  | 98.0  | 41.7  | 106.0 | 41.7  | 106.0 | 57.1  | 165.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 46.8  | 148.0 | 46.8  | 148.0 | 55.8  | 168.0 | 55.8  | 168.0 | 80.2  | 230.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 44.9  | 134.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| 420A-XL                   | 208/230-3-60                  | 89.8               | 446.0 | 89.8  | 446.0 | 89.8  | 446.0 | 107.7 | 506.0 | 107.7 | 506.0 | 151.3 | 690.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 44.9  | 223.0 | 44.9  | 223.0 | 46.8  | 253.0 | 46.8  | 253.0 | 65.4  | 345.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 36.6  | 164.0 | 36.6  | 164.0 | 41.7  | 176.0 | 41.7  | 176.0 | 57.1  | 276.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 46.8  | 247.0 | 46.8  | 247.0 | 55.8  | 280.0 | 55.8  | 280.0 | 80.2  | 382.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 44.9               | 223.0 | 44.9  | 223.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| 420A-PW                   | 208/230-3-60                  | 89.8               | 268.0 | 89.8  | 268.0 | 89.8  | 268.0 | 107.7 | 304.0 | 107.7 | 304.0 | 151.3 | 414.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 44.9  | 134.0 | 44.9  | 134.0 | 46.8  | 152.0 | 46.8  | 152.0 | 65.4  | 207.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 36.6  | 98.0  | 36.6  | 98.0  | 41.7  | 106.0 | 41.7  | 106.0 | 57.1  | 165.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 46.8  | 148.0 | 46.8  | 148.0 | 55.8  | 168.0 | 55.8  | 168.0 | 80.2  | 230.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 44.9  | 134.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 |

See legend and notes on page 68.

**Table 6A — Compressor Electrical Data, 30GTN,GTR (cont)**

| UNIT<br>SIZE<br>30GTN,GTR | NOMINAL<br>VOLTAGE<br>V-Ph-Hz | COMPRESSOR NUMBERS |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------|-------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                           |                               | A1                 |       | A2    |       | A3    |       | A4    |       | B1    |       | B2    |       | B3    |       |
|                           |                               | RLA                | LRA   | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   | RLA   | LRA   |
| <b>315B-XL</b>            | 208/230-3-60                  | 89.7               | 446.0 | 147.4 | 690.0 | —     | —     | —     | —     | 89.7  | 446.0 | 106.4 | 506.0 | —     | —     |
|                           | 460-3-60                      | 43.6               | 223.0 | 65.4  | 345.0 | —     | —     | —     | —     | 43.6  | 223.0 | 46.8  | 253.0 | —     | —     |
|                           | 575-3-60                      | 36.5               | 164.0 | 57.1  | 276.0 | —     | —     | —     | —     | 36.5  | 164.0 | 40.4  | 176.0 | —     | —     |
|                           | 380-3-60                      | 45.5               | 247.0 | 78.8  | 382.0 | —     | —     | —     | —     | 45.5  | 247.0 | 52.6  | 280.0 | —     | —     |
|                           | 380/415-3-50                  | 65.4               | 345.0 | 65.4  | 345.0 | —     | —     | —     | —     | 65.4  | 345.0 | 65.4  | 345.0 | —     | —     |
| <b>315B-PW</b>            | 208/230-3-60                  | 89.7               | 268.0 | 147.4 | 414.0 | —     | —     | —     | —     | 89.7  | 268.0 | 106.4 | 304.0 | —     | —     |
|                           | 460-3-60                      | 44.9               | 134.0 | 67.9  | 207.0 | —     | —     | —     | —     | 44.9  | 134.0 | 48.7  | 162.0 | —     | —     |
|                           | 575-3-60                      | 33.3               | 98.0  | 53.8  | 165.0 | —     | —     | —     | —     | 33.3  | 98.0  | 33.3  | 106.0 | —     | —     |
|                           | 380-3-60                      | 44.9               | 148.0 | 79.5  | 230.0 | —     | —     | —     | —     | 44.9  | 148.0 | 53.8  | 168.0 | —     | —     |
|                           | 380/415-3-50                  | 67.9               | 207.0 | 67.9  | 207.0 | —     | —     | —     | —     | 67.9  | 207.0 | 67.9  | 207.0 | —     | —     |
| <b>330B-XL</b>            | 208/230-3-60                  | 107.7              | 506.0 | 107.7 | 506.0 | 107.7 | 506.0 | —     | —     | 107.7 | 506.0 | 107.7 | 506.0 | 107.7 | 506.0 |
|                           | 460-3-60                      | 46.8               | 253.0 | 46.8  | 253.0 | 46.8  | 253.0 | —     | —     | 46.8  | 253.0 | 46.8  | 253.0 | 46.8  | 253.0 |
|                           | 575-3-60                      | 41.7               | 176.0 | 41.7  | 176.0 | 41.7  | 176.0 | —     | —     | 41.7  | 176.0 | 41.7  | 176.0 | 41.7  | 176.0 |
|                           | 380-3-60                      | 55.8               | 280.0 | 55.8  | 280.0 | 55.8  | 280.0 | —     | —     | 55.8  | 280.0 | 55.8  | 280.0 | 55.8  | 280.0 |
|                           | 380/415-3-50                  | 46.8               | 253.0 | 46.8  | 253.0 | 65.5  | 345.0 | —     | —     | 46.8  | 253.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| <b>330B-PW</b>            | 208/230-3-60                  | 107.7              | 304.0 | 107.7 | 304.0 | 107.7 | 304.0 | —     | —     | 107.7 | 304.0 | 107.7 | 304.0 | 107.7 | 304.0 |
|                           | 460-3-60                      | 46.8               | 152.0 | 46.8  | 152.0 | 46.8  | 152.0 | —     | —     | 46.8  | 152.0 | 46.8  | 152.0 | 46.8  | 152.0 |
|                           | 575-3-60                      | 41.7               | 106.0 | 41.7  | 106.0 | 41.7  | 106.0 | —     | —     | 41.7  | 106.0 | 41.7  | 106.0 | 41.7  | 106.0 |
|                           | 380-3-60                      | 55.8               | 168.0 | 55.8  | 168.0 | 55.8  | 168.0 | —     | —     | 55.8  | 168.0 | 55.8  | 168.0 | 55.8  | 168.0 |
|                           | 380/415-3-50                  | 46.8               | 152.0 | 46.8  | 152.0 | 65.5  | 207.0 | —     | —     | 46.8  | 152.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| <b>360B-XL</b>            | 208/230-3-60                  | 89.8               | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 | —     | —     | 89.8  | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 | —     | —     | 44.9  | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 | —     | —     | 36.6  | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 | —     | —     | 46.8  | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 46.8               | 253.0 | 46.8  | 253.0 | 65.5  | 345.0 | —     | —     | 46.8  | 253.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| <b>360B-PW</b>            | 208/230-3-60                  | 89.8               | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 | —     | —     | 89.8  | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 | —     | —     | 44.9  | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 | —     | —     | 36.6  | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 | —     | —     | 46.8  | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 46.8               | 152.0 | 46.8  | 152.0 | 65.5  | 207.0 | —     | —     | 46.8  | 152.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| <b>390B-XL</b>            | 208/230-3-60                  | 89.8               | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 | —     | —     | 89.8  | 446.0 | 107.7 | 506.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 | —     | —     | 44.9  | 223.0 | 46.8  | 253.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 | —     | —     | 36.6  | 164.0 | 41.7  | 176.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 | —     | —     | 46.8  | 247.0 | 55.8  | 280.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 65.5               | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | —     | —     | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| <b>390B-PW</b>            | 208/230-3-60                  | 89.8               | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 | —     | —     | 89.8  | 268.0 | 107.7 | 304.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 | —     | —     | 44.9  | 134.0 | 46.8  | 152.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 | —     | —     | 36.6  | 98.0  | 41.7  | 106.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 | —     | —     | 46.8  | 148.0 | 55.8  | 168.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 65.5               | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | —     | —     | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 |
| <b>420B-XL</b>            | 208/230-3-60                  | 89.8               | 446.0 | 89.8  | 446.0 | 89.8  | 446.0 | 107.7 | 506.0 | 107.7 | 506.0 | 151.3 | 690.0 | 151.3 | 690.0 |
|                           | 460-3-60                      | 44.9               | 223.0 | 44.9  | 223.0 | 44.9  | 223.0 | 46.8  | 253.0 | 46.8  | 253.0 | 65.4  | 345.0 | 65.4  | 345.0 |
|                           | 575-3-60                      | 36.6               | 164.0 | 36.6  | 164.0 | 36.6  | 164.0 | 41.7  | 176.0 | 41.7  | 176.0 | 57.1  | 276.0 | 57.1  | 276.0 |
|                           | 380-3-60                      | 46.8               | 247.0 | 46.8  | 247.0 | 46.8  | 247.0 | 55.8  | 280.0 | 55.8  | 280.0 | 80.2  | 382.0 | 80.2  | 382.0 |
|                           | 380/415-3-50                  | 44.9               | 223.0 | 44.9  | 223.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 | 65.5  | 345.0 |
| <b>420B-PW</b>            | 208/230-3-60                  | 89.8               | 268.0 | 89.8  | 268.0 | 89.8  | 268.0 | 107.7 | 304.0 | 107.7 | 304.0 | 151.3 | 414.0 | 151.3 | 414.0 |
|                           | 460-3-60                      | 44.9               | 134.0 | 44.9  | 134.0 | 44.9  | 134.0 | 46.8  | 152.0 | 46.8  | 152.0 | 65.4  | 207.0 | 65.4  | 207.0 |
|                           | 575-3-60                      | 36.6               | 98.0  | 36.6  | 98.0  | 36.6  | 98.0  | 41.7  | 106.0 | 41.7  | 106.0 | 57.1  | 165.0 | 57.1  | 165.0 |
|                           | 380-3-60                      | 46.8               | 148.0 | 46.8  | 148.0 | 46.8  | 148.0 | 55.8  | 168.0 | 55.8  | 168.0 | 80.2  | 230.0 | 80.2  | 230.0 |
|                           | 380/415-3-50                  | 44.9               | 134.0 | 44.9  | 134.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 | 65.5  | 207.0 |

See legend and notes on page 68.

**Table 6B — Compressor Electrical Data, 30GUN,GUR**

| UNIT<br>SIZE<br>30GUN,GUR | NAMEPLATE<br>VOLTAGE<br>(3 Phase) | COMPRESSOR NUMBERS |     |      |     |     |     |     |     |       |     |     |     |     |     |
|---------------------------|-----------------------------------|--------------------|-----|------|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|-----|
|                           |                                   | A1                 |     | A2   |     | A3  |     | A4  |     | B1    |     | B2  |     | B3  |     |
|                           |                                   | RLA                | LRA | RLA  | LRA | RLA | LRA | RLA | LRA | RLA   | LRA | RLA | LRA | RLA | LRA |
| 040-XL                    | 208/230-60                        | 56.4               | 283 | —    | —   | —   | —   | —   | —   | 56.4  | 283 | —   | —   | —   | —   |
|                           | 380-60                            | 28.9               | 157 | —    | —   | —   | —   | —   | —   | 28.9  | 157 | —   | —   | —   | —   |
|                           | 460-60                            | 28.9               | 142 | —    | —   | —   | —   | —   | —   | 28.9  | 142 | —   | —   | —   | —   |
|                           | 575-60                            | 23.7               | 98  | —    | —   | —   | —   | —   | —   | 23.7  | 98  | —   | —   | —   | —   |
|                           | 380/415-50                        | 28.9               | 142 | —    | —   | —   | —   | —   | —   | 34.6  | 173 | —   | —   | —   | —   |
| 040-PW                    | 208/230-60                        | 56.4               | 170 | —    | —   | —   | —   | —   | —   | 56.4  | 170 | —   | —   | —   | —   |
|                           | 380-60                            | 26.9               | 94  | —    | —   | —   | —   | —   | —   | 26.9  | 94  | —   | —   | —   | —   |
|                           | 460-60                            | 26.9               | 85  | —    | —   | —   | —   | —   | —   | 26.9  | 85  | —   | —   | —   | —   |
|                           | 575-60                            | 53.2               | 59  | —    | —   | —   | —   | —   | —   | 53.2  | 59  | —   | —   | —   | —   |
|                           | 380/415-50                        | 26.9               | 85  | —    | —   | —   | —   | —   | —   | 33.3  | 104 | —   | —   | —   | —   |
| 045-XL                    | 208/230-60                        | 56.4               | 283 | —    | —   | —   | —   | —   | —   | 67.9  | 345 | —   | —   | —   | —   |
|                           | 380-60                            | 28.9               | 157 | —    | —   | —   | —   | —   | —   | 34.6  | 191 | —   | —   | —   | —   |
|                           | 460-60                            | 28.9               | 142 | —    | —   | —   | —   | —   | —   | 34.6  | 173 | —   | —   | —   | —   |
|                           | 575-60                            | 23.7               | 98  | —    | —   | —   | —   | —   | —   | 28.8  | 120 | —   | —   | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | —    | —   | —   | —   | —   | —   | 43.6  | 223 | —   | —   | —   | —   |
| 045-PW                    | 208/230-60                        | 56.4               | 170 | —    | —   | —   | —   | —   | —   | 67.9  | 207 | —   | —   | —   | —   |
|                           | 380-60                            | 26.9               | 94  | —    | —   | —   | —   | —   | —   | 33.3  | 115 | —   | —   | —   | —   |
|                           | 460-60                            | 26.9               | 85  | —    | —   | —   | —   | —   | —   | 33.3  | 104 | —   | —   | —   | —   |
|                           | 575-60                            | 53.2               | 59  | —    | —   | —   | —   | —   | —   | 28.2  | 72  | —   | —   | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | —    | —   | —   | —   | —   | —   | 44.9  | 134 | —   | —   | —   | —   |
| 050-XL                    | 208/230-60                        | 67.9               | 345 | —    | —   | —   | —   | —   | —   | 88.5  | 446 | —   | —   | —   | —   |
|                           | 380-60                            | 34.6               | 191 | —    | —   | —   | —   | —   | —   | 45.5  | 247 | —   | —   | —   | —   |
|                           | 460-60                            | 34.6               | 173 | —    | —   | —   | —   | —   | —   | 43.6  | 223 | —   | —   | —   | —   |
|                           | 575-60                            | 28.8               | 120 | —    | —   | —   | —   | —   | —   | 36.5  | 164 | —   | —   | —   | —   |
|                           | 380/415-50                        | 43.6               | 223 | —    | —   | —   | —   | —   | —   | 60.9  | 305 | —   | —   | —   | —   |
| 050-PW                    | 208/230-60                        | 67.9               | 207 | —    | —   | —   | —   | —   | —   | 88.5  | 268 | —   | —   | —   | —   |
|                           | 380-60                            | 33.3               | 115 | —    | —   | —   | —   | —   | —   | 44.9  | 148 | —   | —   | —   | —   |
|                           | 460-60                            | 33.3               | 104 | —    | —   | —   | —   | —   | —   | 44.9  | 134 | —   | —   | —   | —   |
|                           | 575-60                            | 28.2               | 72  | —    | —   | —   | —   | —   | —   | 33.3  | 98  | —   | —   | —   | —   |
|                           | 380/415-50                        | 44.9               | 134 | —    | —   | —   | —   | —   | —   | 56.4  | 183 | —   | —   | —   | —   |
| 060-XL                    | 208/230-60                        | 88.5               | 446 | —    | —   | —   | —   | —   | —   | 115.4 | 610 | —   | —   | —   | —   |
|                           | 380-60                            | 45.5               | 247 | —    | —   | —   | —   | —   | —   | 78.8  | 382 | —   | —   | —   | —   |
|                           | 460-60                            | 43.6               | 223 | —    | —   | —   | —   | —   | —   | 60.9  | 305 | —   | —   | —   | —   |
|                           | 575-60                            | 36.5               | 164 | —    | —   | —   | —   | —   | —   | 46.8  | 244 | —   | —   | —   | —   |
|                           | 380/415-50                        | 60.9               | 305 | —    | —   | —   | —   | —   | —   | 60.9  | 305 | —   | —   | —   | —   |
| 060-PW                    | 208/230-60                        | 88.5               | 268 | —    | —   | —   | —   | —   | —   | 115.4 | 366 | —   | —   | —   | —   |
|                           | 380-60                            | 44.9               | 148 | —    | —   | —   | —   | —   | —   | 79.4  | 230 | —   | —   | —   | —   |
|                           | 460-60                            | 44.9               | 134 | —    | —   | —   | —   | —   | —   | 56.4  | 183 | —   | —   | —   | —   |
|                           | 575-60                            | 33.3               | 98  | —    | —   | —   | —   | —   | —   | 44.9  | 146 | —   | —   | —   | —   |
|                           | 380/415-50                        | 56.4               | 183 | —    | —   | —   | —   | —   | —   | 56.4  | 183 | —   | —   | —   | —   |
| 070-XL                    | 208/230-60                        | 115.4              | 610 | —    | —   | —   | —   | —   | —   | 115.4 | 610 | —   | —   | —   | —   |
|                           | 380-60                            | 78.8               | 382 | —    | —   | —   | —   | —   | —   | 78.8  | 382 | —   | —   | —   | —   |
|                           | 460-60                            | 60.9               | 305 | —    | —   | —   | —   | —   | —   | 60.9  | 305 | —   | —   | —   | —   |
|                           | 575-60                            | 46.8               | 244 | —    | —   | —   | —   | —   | —   | 46.8  | 244 | —   | —   | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | 34.6 | 173 | —   | —   | —   | —   | 60.9  | 305 | —   | —   | —   | —   |
| 070-PW                    | 208/230-60                        | 115.4              | 366 | —    | —   | —   | —   | —   | —   | 115.4 | 366 | —   | —   | —   | —   |
|                           | 380-60                            | 79.4               | 230 | —    | —   | —   | —   | —   | —   | 79.4  | 230 | —   | —   | —   | —   |
|                           | 460-60                            | 56.4               | 183 | —    | —   | —   | —   | —   | —   | 56.4  | 183 | —   | —   | —   | —   |
|                           | 575-60                            | 44.9               | 146 | —    | —   | —   | —   | —   | —   | 44.9  | 146 | —   | —   | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | 33.3 | 104 | —   | —   | —   | —   | 56.4  | 183 | —   | —   | —   | —   |

See legend and notes on page 68.

**Table 6B — Compressor Electrical Data, 30GUN,GUR (cont)**

| UNIT<br>SIZE<br>30GUN,GUR | NAMEPLATE<br>VOLTAGE<br>(3 Phase) | COMPRESSOR NUMBERS |     |       |     |      |     |     |     |       |     |       |     |     |     |
|---------------------------|-----------------------------------|--------------------|-----|-------|-----|------|-----|-----|-----|-------|-----|-------|-----|-----|-----|
|                           |                                   | A1                 |     | A2    |     | A3   |     | A4  |     | B1    |     | B2    |     | B3  |     |
|                           |                                   | RLA                | LRA | RLA   | LRA | RLA  | LRA | RLA | LRA | RLA   | LRA | RLA   | LRA | RLA | LRA |
| 080-XL                    | 208/230-60                        | 88.5               | 446 | 56.4  | 283 | —    | —   | —   | —   | 115.4 | 610 | —     | —   | —   | —   |
|                           | 380-60                            | 45.5               | 247 | 28.9  | 157 | —    | —   | —   | —   | 78.8  | 382 | —     | —   | —   | —   |
|                           | 460-60                            | 43.6               | 223 | 28.9  | 142 | —    | —   | —   | —   | 60.9  | 305 | —     | —   | —   | —   |
|                           | 575-60                            | 36.5               | 164 | 23.7  | 98  | —    | —   | —   | —   | 46.8  | 244 | —     | —   | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | 60.9  | 305 | —    | —   | —   | —   | 60.9  | 305 | —     | —   | —   | —   |
| 080-PW                    | 208/230-60                        | 88.5               | 268 | 56.4  | 170 | —    | —   | —   | —   | 115.4 | 366 | —     | —   | —   | —   |
|                           | 380-60                            | 44.9               | 148 | 26.9  | 94  | —    | —   | —   | —   | 79.4  | 230 | —     | —   | —   | —   |
|                           | 460-60                            | 44.9               | 134 | 26.9  | 85  | —    | —   | —   | —   | 56.4  | 183 | —     | —   | —   | —   |
|                           | 575-60                            | 33.3               | 98  | 53.2  | 59  | —    | —   | —   | —   | 44.9  | 146 | —     | —   | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | 56.4  | 183 | —    | —   | —   | —   | 56.4  | 183 | —     | —   | —   | —   |
| 090-XL                    | 208/230-60                        | 67.9               | 345 | 56.4  | 283 | —    | —   | —   | —   | 67.9  | 345 | 67.9  | 345 | —   | —   |
|                           | 380-60                            | 34.6               | 191 | 28.9  | 157 | —    | —   | —   | —   | 34.6  | 191 | 34.6  | 191 | —   | —   |
|                           | 460-60                            | 34.6               | 173 | 28.9  | 142 | —    | —   | —   | —   | 34.6  | 173 | 34.6  | 173 | —   | —   |
|                           | 575-60                            | 28.8               | 120 | 23.7  | 98  | —    | —   | —   | —   | 28.8  | 120 | 28.8  | 120 | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | 60.9  | 305 | —    | —   | —   | —   | 34.6  | 173 | 43.6  | 223 | —   | —   |
| 090-PW                    | 208/230-60                        | 67.9               | 207 | 56.4  | 170 | —    | —   | —   | —   | 67.9  | 207 | 67.9  | 207 | —   | —   |
|                           | 380-60                            | 33.3               | 115 | 26.9  | 94  | —    | —   | —   | —   | 33.3  | 115 | 33.3  | 115 | —   | —   |
|                           | 460-60                            | 33.3               | 104 | 26.9  | 85  | —    | —   | —   | —   | 33.3  | 104 | 33.3  | 104 | —   | —   |
|                           | 575-60                            | 28.2               | 72  | 53.2  | 59  | —    | —   | —   | —   | 28.2  | 72  | 28.2  | 72  | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | 56.4  | 183 | —    | —   | —   | —   | 33.3  | 104 | 44.9  | 134 | —   | —   |
| 100-XL                    | 208/230-60                        | 67.9               | 345 | 88.5  | 446 | —    | —   | —   | —   | 67.9  | 345 | 88.5  | 268 | —   | —   |
|                           | 380-60                            | 34.6               | 191 | 45.5  | 247 | —    | —   | —   | —   | 34.6  | 191 | 44.9  | 148 | —   | —   |
|                           | 460-60                            | 34.6               | 173 | 43.6  | 223 | —    | —   | —   | —   | 34.6  | 173 | 44.9  | 134 | —   | —   |
|                           | 575-60                            | 28.8               | 120 | 36.5  | 164 | —    | —   | —   | —   | 28.8  | 120 | 33.3  | 98  | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | 60.9  | 305 | —    | —   | —   | —   | 34.6  | 173 | 56.4  | 183 | —   | —   |
| 100-PW                    | 208/230-60                        | 67.9               | 207 | 88.5  | 268 | —    | —   | —   | —   | 67.9  | 207 | 88.5  | 268 | —   | —   |
|                           | 380-60                            | 33.3               | 115 | 44.9  | 148 | —    | —   | —   | —   | 33.3  | 115 | 44.9  | 148 | —   | —   |
|                           | 460-60                            | 33.3               | 104 | 44.9  | 134 | —    | —   | —   | —   | 33.3  | 104 | 44.9  | 134 | —   | —   |
|                           | 575-60                            | 28.2               | 72  | 33.3  | 98  | —    | —   | —   | —   | 28.2  | 72  | 33.3  | 98  | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | 56.4  | 183 | —    | —   | —   | —   | 33.3  | 104 | 56.4  | 183 | —   | —   |
| 110-XL                    | 208/230-60                        | 67.9               | 345 | 115.4 | 610 | —    | —   | —   | —   | 67.9  | 345 | 88.5  | 446 | —   | —   |
|                           | 380-60                            | 34.6               | 191 | 78.8  | 382 | —    | —   | —   | —   | 34.6  | 191 | 45.5  | 247 | —   | —   |
|                           | 460-60                            | 34.6               | 173 | 60.9  | 305 | —    | —   | —   | —   | 34.6  | 173 | 43.6  | 223 | —   | —   |
|                           | 575-60                            | 28.8               | 120 | 46.8  | 244 | —    | —   | —   | —   | 28.8  | 120 | 36.5  | 164 | —   | —   |
|                           | 380/415-50                        | 60.9               | 305 | 60.9  | 305 | —    | —   | —   | —   | 60.9  | 305 | 60.9  | 305 | —   | —   |
| 110-PW                    | 208/230-60                        | 67.9               | 207 | 115.4 | 366 | —    | —   | —   | —   | 67.9  | 207 | 88.5  | 268 | —   | —   |
|                           | 380-60                            | 33.3               | 115 | 79.4  | 230 | —    | —   | —   | —   | 33.3  | 115 | 44.9  | 148 | —   | —   |
|                           | 460-60                            | 33.3               | 104 | 56.4  | 183 | —    | —   | —   | —   | 33.3  | 104 | 44.9  | 134 | —   | —   |
|                           | 575-60                            | 28.2               | 72  | 44.9  | 146 | —    | —   | —   | —   | 28.2  | 72  | 33.3  | 98  | —   | —   |
|                           | 380/415-50                        | 56.4               | 183 | 56.4  | 183 | —    | —   | —   | —   | 56.4  | 183 | 56.4  | 183 | —   | —   |
| 130-XL                    | 208/230-60                        | 88.5               | 446 | 115.4 | 610 | —    | —   | —   | —   | 88.5  | 446 | 115.4 | 610 | —   | —   |
|                           | 380-60                            | 45.5               | 247 | 78.8  | 382 | —    | —   | —   | —   | 45.5  | 247 | 78.8  | 382 | —   | —   |
|                           | 460-60                            | 43.6               | 223 | 60.9  | 305 | —    | —   | —   | —   | 43.6  | 223 | 60.9  | 305 | —   | —   |
|                           | 575-60                            | 36.5               | 164 | 46.8  | 244 | —    | —   | —   | —   | 36.5  | 164 | 46.8  | 244 | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | 43.6  | 223 | 43.6 | 223 | —   | —   | 60.9  | 305 | 60.9  | 305 | —   | —   |
| 130-PW                    | 208/230-60                        | 88.5               | 268 | 115.4 | 366 | —    | —   | —   | —   | 88.5  | 268 | 115.4 | 366 | —   | —   |
|                           | 380-60                            | 44.9               | 148 | 79.4  | 230 | —    | —   | —   | —   | 44.9  | 148 | 79.4  | 230 | —   | —   |
|                           | 460-60                            | 44.9               | 134 | 56.4  | 183 | —    | —   | —   | —   | 44.9  | 134 | 56.4  | 183 | —   | —   |
|                           | 575-60                            | 33.3               | 98  | 44.9  | 146 | —    | —   | —   | —   | 33.3  | 98  | 44.9  | 146 | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | 44.9  | 134 | 44.9 | 134 | —   | —   | 56.4  | 183 | 56.4  | 183 | —   | —   |
| 150-XL                    | 208/230-60                        | 67.9               | 345 | 67.9  | 345 | 67.9 | 345 | —   | —   | 115.4 | 610 | 115.4 | 610 | —   | —   |
|                           | 380-60                            | 34.6               | 191 | 34.6  | 191 | 34.6 | 191 | —   | —   | 78.8  | 382 | 78.8  | 382 | —   | —   |
|                           | 460-60                            | 34.6               | 173 | 34.6  | 173 | 34.6 | 173 | —   | —   | 60.9  | 305 | 60.9  | 305 | —   | —   |
|                           | 575-60                            | 28.8               | 120 | 28.8  | 120 | 28.8 | 120 | —   | —   | 46.8  | 244 | 46.8  | 244 | —   | —   |
|                           | 380/415-50                        | 60.9               | 305 | 60.9  | 305 | 60.9 | 305 | —   | —   | 60.9  | 305 | 60.9  | 305 | —   | —   |
| 150-PW                    | 208/230-60                        | 67.9               | 207 | 67.9  | 207 | 67.9 | 207 | —   | —   | 115.4 | 366 | 115.4 | 366 | —   | —   |
|                           | 380-60                            | 33.3               | 115 | 33.3  | 115 | 33.3 | 115 | —   | —   | 79.4  | 230 | 79.4  | 230 | —   | —   |
|                           | 460-60                            | 33.3               | 104 | 33.3  | 104 | 33.3 | 104 | —   | —   | 56.4  | 183 | 56.4  | 183 | —   | —   |
|                           | 575-60                            | 28.2               | 72  | 28.2  | 72  | 28.2 | 72  | —   | —   | 44.9  | 146 | 44.9  | 146 | —   | —   |
|                           | 380/415-50                        | 56.4               | 183 | 56.4  | 183 | 56.4 | 183 | —   | —   | 56.4  | 183 | 56.4  | 183 | —   | —   |

See legend and notes on page 68.

**Table 6B — Compressor Electrical Data, 30GUN,GUR (cont)**

| UNIT<br>SIZE<br>30GUN,GUR | NAMEPLATE<br>VOLTAGE<br>(3 Phase) | COMPRESSOR NUMBERS |     |      |     |       |     |      |     |      |     |       |     |       |     |
|---------------------------|-----------------------------------|--------------------|-----|------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|
|                           |                                   | A1                 |     | A2   |     | A3    |     | A4   |     | B1   |     | B2    |     | B3    |     |
|                           |                                   | RLA                | LRA | RLA  | LRA | RLA   | LRA | RLA  | LRA | RLA  | LRA | RLA   | LRA | RLA   | LRA |
| 170-XL                    | 208/230-60                        | 88.5               | 446 | 88.5 | 446 | 88.5  | 446 | —    | —   | 88.5 | 446 | 88.5  | 446 | 88.5  | 446 |
|                           | 380-60                            | 45.5               | 247 | 45.5 | 247 | 45.5  | 247 | —    | —   | 45.5 | 247 | 45.5  | 247 | 45.5  | 247 |
|                           | 460-60                            | 43.6               | 223 | 43.6 | 223 | 43.6  | 223 | —    | —   | 43.6 | 223 | 43.6  | 223 | 43.6  | 223 |
|                           | 575-60                            | 36.5               | 164 | 36.5 | 164 | 36.5  | 164 | —    | —   | 36.5 | 164 | 36.5  | 164 | 36.5  | 164 |
|                           | 380/415-50                        | 34.6               | 173 | 34.6 | 173 | 60.9  | 305 | —    | —   | 43.6 | 223 | 60.9  | 305 | 60.9  | 305 |
| 170-PW                    | 208/230-60                        | 88.5               | 268 | 88.5 | 268 | 88.5  | 268 | —    | —   | 88.5 | 268 | 88.5  | 268 | 88.5  | 268 |
|                           | 380-60                            | 44.9               | 148 | 44.9 | 148 | 44.9  | 148 | —    | —   | 44.9 | 148 | 44.9  | 148 | 44.9  | 148 |
|                           | 460-60                            | 44.9               | 134 | 44.9 | 134 | 44.9  | 134 | —    | —   | 44.9 | 134 | 44.9  | 134 | 44.9  | 134 |
|                           | 575-60                            | 33.3               | 98  | 33.3 | 98  | 33.3  | 98  | —    | —   | 33.3 | 98  | 33.3  | 98  | 33.3  | 98  |
|                           | 380/415-50                        | 44.9               | 134 | 44.9 | 134 | 56.4  | 183 | —    | —   | 44.9 | 134 | 56.4  | 183 | 56.4  | 183 |
| 190-XL                    | 208/230-60                        | 67.9               | 345 | 88.5 | 446 | 115.4 | 610 | —    | —   | 67.9 | 345 | 88.5  | 446 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 45.5 | 247 | 78.8  | 382 | —    | —   | 34.6 | 191 | 45.5  | 247 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 43.6 | 223 | 60.9  | 305 | —    | —   | 34.6 | 173 | 43.6  | 223 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 36.5 | 164 | 46.8  | 244 | —    | —   | 28.8 | 120 | 36.5  | 164 | 46.8  | 244 |
|                           | 380/415-50                        | 60.9               | 305 | 60.9 | 305 | 60.9  | 305 | —    | —   | 60.9 | 305 | 60.9  | 305 | 60.9  | 305 |
| 190-PW                    | 208/230-60                        | 67.9               | 207 | 88.5 | 268 | 115.4 | 366 | —    | —   | 67.9 | 207 | 88.5  | 268 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 44.9 | 148 | 79.4  | 230 | —    | —   | 33.3 | 115 | 44.9  | 148 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 44.9 | 134 | 56.4  | 183 | —    | —   | 33.3 | 104 | 44.9  | 134 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 33.3 | 98  | 44.9  | 146 | —    | —   | 28.2 | 72  | 33.3  | 98  | 44.9  | 146 |
|                           | 380/415-50                        | 56.4               | 183 | 44.9 | 134 | 56.4  | 183 | —    | —   | 56.4 | 183 | 56.4  | 183 | 56.4  | 183 |
| 210-XL                    | 208/230-60                        | 67.9               | 345 | 67.9 | 345 | 67.9  | 345 | 67.9 | 345 | 88.5 | 446 | 115.4 | 610 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 34.6 | 191 | 34.6  | 191 | 34.6 | 191 | 45.5 | 247 | 78.8  | 382 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 34.6 | 173 | 34.6  | 173 | 34.6 | 173 | 43.6 | 223 | 60.9  | 305 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 28.8 | 120 | 28.8  | 120 | 28.8 | 120 | 36.5 | 164 | 46.8  | 244 | 46.8  | 244 |
|                           | 380/415-50                        | 34.6               | 173 | 34.6 | 173 | 60.9  | 305 | 60.9 | 305 | 60.9 | 305 | 60.9  | 305 | 60.9  | 305 |
| 210-PW                    | 208/230-60                        | 67.9               | 207 | 67.9 | 207 | 67.9  | 207 | 88.5 | 268 | 88.5 | 268 | 115.4 | 366 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 33.3 | 115 | 33.3  | 115 | 44.9 | 148 | 44.9 | 148 | 79.4  | 230 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 33.3 | 104 | 33.3  | 104 | 44.9 | 134 | 44.9 | 134 | 56.4  | 183 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 28.2 | 72  | 28.2  | 72  | 33.3 | 98  | 33.3 | 98  | 44.9  | 146 | 44.9  | 146 |
|                           | 380/415-50                        | 33.3               | 104 | 33.3 | 104 | 56.4  | 183 | 56.4 | 183 | 56.4 | 183 | 56.4  | 183 | 56.4  | 183 |

See legend and notes on page 68.

**Table 6B — Compressor Electrical Data, 30GUN,GUR (cont)**

| UNIT<br>SIZE<br>30GUN,GUR | NAMEPLATE<br>VOLTAGE<br>(3 Phase) | COMPRESSOR NUMBERS |     |      |     |       |     |     |     |       |     |       |     |       |     |
|---------------------------|-----------------------------------|--------------------|-----|------|-----|-------|-----|-----|-----|-------|-----|-------|-----|-------|-----|
|                           |                                   | A1                 |     | A2   |     | A3    |     | A4  |     | B1    |     | B2    |     | B3    |     |
|                           |                                   | RLA                | LRA | RLA  | LRA | RLA   | LRA | RLA | LRA | RLA   | LRA | RLA   | LRA | RLA   | LRA |
| <b>230A-XL</b>            | 208/230-60                        | 67.9               | 345 | 67.9 | 345 | 67.9  | 345 | —   | —   | 115.4 | 610 | 115.4 | 610 | —     | —   |
|                           | 380-60                            | 34.6               | 191 | 34.6 | 191 | 34.6  | 191 | —   | —   | 78.8  | 382 | 78.8  | 382 | —     | —   |
|                           | 460-60                            | 34.6               | 173 | 34.6 | 173 | 34.6  | 173 | —   | —   | 60.9  | 305 | 60.9  | 305 | —     | —   |
|                           | 575-60                            | 28.8               | 120 | 28.8 | 120 | 28.8  | 120 | —   | —   | 46.8  | 244 | 46.8  | 244 | —     | —   |
|                           | 380/415-50                        | 60.9               | 305 | 60.9 | 305 | 60.9  | 305 | —   | —   | 60.9  | 305 | 60.9  | 305 | —     | —   |
| <b>230A-PW</b>            | 208/230-60                        | 67.9               | 207 | 67.9 | 207 | 67.9  | 207 | —   | —   | 115.4 | 366 | 115.4 | 366 | —     | —   |
|                           | 380-60                            | 33.3               | 115 | 33.3 | 115 | 33.3  | 115 | —   | —   | 79.4  | 230 | 79.4  | 230 | —     | —   |
|                           | 460-60                            | 33.3               | 104 | 33.3 | 104 | 33.3  | 104 | —   | —   | 56.4  | 183 | 56.4  | 183 | —     | —   |
|                           | 575-60                            | 28.2               | 72  | 28.2 | 72  | 28.2  | 72  | —   | —   | 44.9  | 146 | 44.9  | 146 | —     | —   |
|                           | 380/415-50                        | 56.4               | 183 | 56.4 | 183 | 56.4  | 183 | —   | —   | 56.4  | 183 | 56.4  | 183 | —     | —   |
| <b>245A-XL</b>            | 208/230-60                        | 67.9               | 345 | 67.9 | 345 | 67.9  | 345 | —   | —   | 115.4 | 610 | 115.4 | 610 | —     | —   |
|                           | 380-60                            | 34.6               | 191 | 34.6 | 191 | 34.6  | 191 | —   | —   | 78.8  | 382 | 78.8  | 382 | —     | —   |
|                           | 460-60                            | 34.6               | 173 | 34.6 | 173 | 34.6  | 173 | —   | —   | 60.9  | 305 | 60.9  | 305 | —     | —   |
|                           | 575-60                            | 28.8               | 120 | 28.8 | 120 | 28.8  | 120 | —   | —   | 46.8  | 244 | 46.8  | 244 | —     | —   |
|                           | 380/415-50                        | 60.9               | 305 | 60.9 | 305 | 60.9  | 305 | —   | —   | 60.9  | 305 | 60.9  | 305 | —     | —   |
| <b>245A-PW</b>            | 208/230-60                        | 67.9               | 207 | 67.9 | 207 | 67.9  | 207 | —   | —   | 115.4 | 366 | 115.4 | 366 | —     | —   |
|                           | 380-60                            | 33.3               | 115 | 33.3 | 115 | 33.3  | 115 | —   | —   | 79.4  | 230 | 79.4  | 230 | —     | —   |
|                           | 460-60                            | 33.3               | 104 | 33.3 | 104 | 33.3  | 104 | —   | —   | 56.4  | 183 | 56.4  | 183 | —     | —   |
|                           | 575-60                            | 28.2               | 72  | 28.2 | 72  | 28.2  | 72  | —   | —   | 44.9  | 146 | 44.9  | 146 | —     | —   |
|                           | 380/415-50                        | 56.4               | 183 | 56.4 | 183 | 56.4  | 183 | —   | —   | 56.4  | 183 | 56.4  | 183 | —     | —   |
| <b>255A-XL</b>            | 208/230-60                        | 67.9               | 345 | 67.9 | 345 | 67.9  | 345 | —   | —   | 115.4 | 610 | 115.4 | 610 | —     | —   |
|                           | 380-60                            | 34.6               | 191 | 34.6 | 191 | 34.6  | 191 | —   | —   | 78.8  | 382 | 78.8  | 382 | —     | —   |
|                           | 460-60                            | 34.6               | 173 | 34.6 | 173 | 34.6  | 173 | —   | —   | 60.9  | 305 | 60.9  | 305 | —     | —   |
|                           | 575-60                            | 28.8               | 120 | 28.8 | 120 | 28.8  | 120 | —   | —   | 46.8  | 244 | 46.8  | 244 | —     | —   |
|                           | 380/415-50                        | 60.9               | 305 | 60.9 | 305 | 60.9  | 305 | —   | —   | 60.9  | 305 | 60.9  | 305 | —     | —   |
| <b>255A-PW</b>            | 208/230-60                        | 67.9               | 207 | 67.9 | 207 | 67.9  | 207 | —   | —   | 115.4 | 366 | 115.4 | 366 | —     | —   |
|                           | 380-60                            | 33.3               | 115 | 33.3 | 115 | 33.3  | 115 | —   | —   | 79.4  | 230 | 79.4  | 230 | —     | —   |
|                           | 460-60                            | 33.3               | 104 | 33.3 | 104 | 33.3  | 104 | —   | —   | 56.4  | 183 | 56.4  | 183 | —     | —   |
|                           | 575-60                            | 28.2               | 72  | 28.2 | 72  | 28.2  | 72  | —   | —   | 44.9  | 146 | 44.9  | 146 | —     | —   |
|                           | 380/415-50                        | 56.4               | 183 | 56.4 | 183 | 56.4  | 183 | —   | —   | 56.4  | 183 | 56.4  | 183 | —     | —   |
| <b>270A-XL</b>            | 208/230-60                        | 88.5               | 446 | 88.5 | 446 | 88.5  | 446 | —   | —   | 88.5  | 446 | 88.5  | 446 | 88.5  | 446 |
|                           | 380-60                            | 45.5               | 247 | 45.5 | 247 | 45.5  | 247 | —   | —   | 45.5  | 247 | 45.5  | 247 | 45.5  | 247 |
|                           | 460-60                            | 43.6               | 223 | 43.6 | 223 | 43.6  | 223 | —   | —   | 43.6  | 223 | 43.6  | 223 | 43.6  | 223 |
|                           | 575-60                            | 36.5               | 164 | 36.5 | 164 | 36.5  | 164 | —   | —   | 36.5  | 164 | 36.5  | 164 | 36.5  | 164 |
|                           | 380/415-50                        | 34.6               | 173 | 34.6 | 173 | 60.9  | 305 | —   | —   | 43.6  | 223 | 60.9  | 305 | 60.9  | 305 |
| <b>270A-PW</b>            | 208/230-60                        | 88.5               | 268 | 88.5 | 268 | 88.5  | 268 | —   | —   | 88.5  | 268 | 88.5  | 268 | 88.5  | 268 |
|                           | 380-60                            | 44.9               | 148 | 44.9 | 148 | 44.9  | 148 | —   | —   | 44.9  | 148 | 44.9  | 148 | 44.9  | 148 |
|                           | 460-60                            | 44.9               | 134 | 44.9 | 134 | 44.9  | 134 | —   | —   | 44.9  | 134 | 44.9  | 134 | 44.9  | 134 |
|                           | 575-60                            | 33.3               | 98  | 33.3 | 98  | 33.3  | 98  | —   | —   | 33.3  | 98  | 33.3  | 98  | 33.3  | 98  |
|                           | 380/415-50                        | 44.9               | 134 | 44.9 | 134 | 56.4  | 183 | —   | —   | 44.9  | 134 | 56.4  | 183 | 56.4  | 183 |
| <b>290A-XL</b>            | 208/230-60                        | 67.9               | 345 | 88.5 | 446 | 115.4 | 610 | —   | —   | 67.9  | 345 | 88.5  | 446 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 45.5 | 247 | 78.8  | 382 | —   | —   | 34.6  | 191 | 45.5  | 247 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 43.6 | 223 | 60.9  | 305 | —   | —   | 34.6  | 173 | 43.6  | 223 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 36.5 | 164 | 46.8  | 244 | —   | —   | 28.8  | 120 | 36.5  | 164 | 46.8  | 244 |
|                           | 380/415-50                        | 60.9               | 305 | 60.9 | 305 | 60.9  | 305 | —   | —   | 60.9  | 305 | 60.9  | 305 | 60.9  | 305 |
| <b>290A-PW</b>            | 208/230-60                        | 67.9               | 207 | 88.5 | 268 | 115.4 | 366 | —   | —   | 67.9  | 207 | 88.5  | 268 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 44.9 | 148 | 79.4  | 230 | —   | —   | 33.3  | 115 | 44.9  | 148 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 44.9 | 134 | 56.4  | 183 | —   | —   | 33.3  | 104 | 44.9  | 134 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 33.3 | 98  | 44.9  | 146 | —   | —   | 28.2  | 72  | 33.3  | 98  | 44.9  | 146 |
|                           | 380/415-50                        | 56.4               | 183 | 44.9 | 134 | 56.4  | 183 | —   | —   | 56.4  | 183 | 56.4  | 183 | 56.4  | 183 |

See legend and notes on page 68.

**Table 6B — Compressor Electrical Data, 30GUN,GUR (cont)**

| UNIT<br>SIZE<br>30GUN,GUR | NAMEPLATE<br>VOLTAGE<br>(3 Phase) | COMPRESSOR NUMBERS |     |       |     |     |     |     |     |       |     |      |     |     |     |
|---------------------------|-----------------------------------|--------------------|-----|-------|-----|-----|-----|-----|-----|-------|-----|------|-----|-----|-----|
|                           |                                   | A1                 |     | A2    |     | A3  |     | A4  |     | B1    |     | B2   |     | B3  |     |
|                           |                                   | RLA                | LRA | RLA   | LRA | RLA | LRA | RLA | LRA | RLA   | LRA | RLA  | LRA | RLA | LRA |
| 230B-XL                   | 208/230-60                        | 88.5               | 446 | 56.4  | 283 | —   | —   | —   | —   | 115.4 | 610 | —    | —   | —   | —   |
|                           | 380-60                            | 45.5               | 247 | 28.9  | 157 | —   | —   | —   | —   | 78.8  | 382 | —    | —   | —   | —   |
|                           | 460-60                            | 43.6               | 223 | 28.9  | 142 | —   | —   | —   | —   | 60.9  | 305 | —    | —   | —   | —   |
|                           | 575-60                            | 36.5               | 164 | 23.7  | 98  | —   | —   | —   | —   | 46.8  | 244 | —    | —   | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | 60.9  | 305 | —   | —   | —   | —   | 60.9  | 305 | —    | —   | —   | —   |
| 230B-PW                   | 208/230-60                        | 88.5               | 268 | 56.4  | 170 | —   | —   | —   | —   | 115.4 | 366 | —    | —   | —   | —   |
|                           | 380-60                            | 44.9               | 148 | 26.9  | 94  | —   | —   | —   | —   | 79.4  | 230 | —    | —   | —   | —   |
|                           | 460-60                            | 44.9               | 134 | 26.9  | 85  | —   | —   | —   | —   | 56.4  | 183 | —    | —   | —   | —   |
|                           | 575-60                            | 33.3               | 98  | 53.2  | 59  | —   | —   | —   | —   | 44.9  | 146 | —    | —   | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | 56.4  | 183 | —   | —   | —   | —   | 56.4  | 183 | —    | —   | —   | —   |
| 245B-XL                   | 208/230-60                        | 67.9               | 345 | 56.4  | 283 | —   | —   | —   | —   | 67.9  | 345 | 67.9 | 345 | —   | —   |
|                           | 380-60                            | 34.6               | 191 | 28.9  | 157 | —   | —   | —   | —   | 34.6  | 191 | 34.6 | 191 | —   | —   |
|                           | 460-60                            | 34.6               | 173 | 28.9  | 142 | —   | —   | —   | —   | 34.6  | 173 | 34.6 | 173 | —   | —   |
|                           | 575-60                            | 28.8               | 120 | 23.7  | 98  | —   | —   | —   | —   | 28.8  | 120 | 28.8 | 120 | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | 60.9  | 305 | —   | —   | —   | —   | 34.6  | 173 | 43.6 | 223 | —   | —   |
| 245B-PW                   | 208/230-60                        | 67.9               | 207 | 56.4  | 170 | —   | —   | —   | —   | 67.9  | 207 | 67.9 | 207 | —   | —   |
|                           | 380-60                            | 33.3               | 115 | 26.9  | 94  | —   | —   | —   | —   | 33.3  | 115 | 33.3 | 115 | —   | —   |
|                           | 460-60                            | 33.3               | 104 | 26.9  | 85  | —   | —   | —   | —   | 33.3  | 104 | 33.3 | 104 | —   | —   |
|                           | 575-60                            | 28.2               | 72  | 53.2  | 59  | —   | —   | —   | —   | 28.2  | 72  | 28.2 | 72  | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | 56.4  | 183 | —   | —   | —   | —   | 33.3  | 104 | 44.9 | 134 | —   | —   |
| 255B-XL                   | 208/230-60                        | 67.9               | 345 | 88.5  | 446 | —   | —   | —   | —   | 67.9  | 345 | 88.5 | 268 | —   | —   |
|                           | 380-60                            | 34.6               | 191 | 45.5  | 247 | —   | —   | —   | —   | 34.6  | 191 | 44.9 | 148 | —   | —   |
|                           | 460-60                            | 34.6               | 173 | 43.6  | 223 | —   | —   | —   | —   | 34.6  | 173 | 44.9 | 134 | —   | —   |
|                           | 575-60                            | 28.8               | 120 | 36.5  | 164 | —   | —   | —   | —   | 28.8  | 120 | 33.3 | 98  | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | 60.9  | 305 | —   | —   | —   | —   | 34.6  | 173 | 56.4 | 183 | —   | —   |
| 255B-PW                   | 208/230-60                        | 67.9               | 207 | 88.5  | 268 | —   | —   | —   | —   | 67.9  | 207 | 88.5 | 268 | —   | —   |
|                           | 380-60                            | 33.3               | 115 | 44.9  | 148 | —   | —   | —   | —   | 33.3  | 115 | 44.9 | 148 | —   | —   |
|                           | 460-60                            | 33.3               | 104 | 44.9  | 134 | —   | —   | —   | —   | 33.3  | 104 | 44.9 | 134 | —   | —   |
|                           | 575-60                            | 28.2               | 72  | 33.3  | 98  | —   | —   | —   | —   | 28.2  | 72  | 33.3 | 98  | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | 56.4  | 183 | —   | —   | —   | —   | 33.3  | 104 | 56.4 | 183 | —   | —   |
| 270B-XL                   | 208/230-60                        | 67.9               | 345 | 88.5  | 446 | —   | —   | —   | —   | 67.9  | 345 | 88.5 | 268 | —   | —   |
|                           | 380-60                            | 34.6               | 191 | 45.5  | 247 | —   | —   | —   | —   | 34.6  | 191 | 44.9 | 148 | —   | —   |
|                           | 460-60                            | 34.6               | 173 | 43.6  | 223 | —   | —   | —   | —   | 34.6  | 173 | 44.9 | 134 | —   | —   |
|                           | 575-60                            | 28.8               | 120 | 36.5  | 164 | —   | —   | —   | —   | 28.8  | 120 | 33.3 | 98  | —   | —   |
|                           | 380/415-50                        | 34.6               | 173 | 60.9  | 305 | —   | —   | —   | —   | 34.6  | 173 | 56.4 | 183 | —   | —   |
| 270B-PW                   | 208/230-60                        | 67.9               | 207 | 88.5  | 268 | —   | —   | —   | —   | 67.9  | 207 | 88.5 | 268 | —   | —   |
|                           | 380-60                            | 33.3               | 115 | 44.9  | 148 | —   | —   | —   | —   | 33.3  | 115 | 44.9 | 148 | —   | —   |
|                           | 460-60                            | 33.3               | 104 | 44.9  | 134 | —   | —   | —   | —   | 33.3  | 104 | 44.9 | 134 | —   | —   |
|                           | 575-60                            | 28.2               | 72  | 33.3  | 98  | —   | —   | —   | —   | 28.2  | 72  | 33.3 | 98  | —   | —   |
|                           | 380/415-50                        | 33.3               | 104 | 56.4  | 183 | —   | —   | —   | —   | 33.3  | 104 | 56.4 | 183 | —   | —   |
| 290B-XL                   | 208/230-60                        | 67.9               | 345 | 115.4 | 610 | —   | —   | —   | —   | 67.9  | 345 | 88.5 | 446 | —   | —   |
|                           | 380-60                            | 34.6               | 191 | 78.8  | 382 | —   | —   | —   | —   | 34.6  | 191 | 45.5 | 247 | —   | —   |
|                           | 460-60                            | 34.6               | 173 | 60.9  | 305 | —   | —   | —   | —   | 34.6  | 173 | 43.6 | 223 | —   | —   |
|                           | 575-60                            | 28.8               | 120 | 46.8  | 244 | —   | —   | —   | —   | 28.8  | 120 | 36.5 | 164 | —   | —   |
|                           | 380/415-50                        | 60.9               | 305 | 60.9  | 305 | —   | —   | —   | —   | 60.9  | 305 | 60.9 | 305 | —   | —   |
| 290B-PW                   | 208/230-60                        | 67.9               | 207 | 115.4 | 366 | —   | —   | —   | —   | 67.9  | 207 | 88.5 | 268 | —   | —   |
|                           | 380-60                            | 33.3               | 115 | 79.4  | 230 | —   | —   | —   | —   | 33.3  | 115 | 44.9 | 148 | —   | —   |
|                           | 460-60                            | 33.3               | 104 | 56.4  | 183 | —   | —   | —   | —   | 33.3  | 104 | 44.9 | 134 | —   | —   |
|                           | 575-60                            | 28.2               | 72  | 44.9  | 146 | —   | —   | —   | —   | 28.2  | 72  | 33.3 | 98  | —   | —   |
|                           | 380/415-50                        | 56.4               | 183 | 56.4  | 183 | —   | —   | —   | —   | 56.4  | 183 | 56.4 | 183 | —   | —   |

See legend and notes on page 68.

**Table 6B — Compressor Electrical Data, 30GUN,GUR (cont)**

| UNIT<br>SIZE<br>30GUN,GUR | NAMEPLATE<br>VOLTAGE<br>(3 Phase) | COMPRESSOR NUMBERS |     |      |     |       |     |      |     |      |     |       |     |       |     |
|---------------------------|-----------------------------------|--------------------|-----|------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|
|                           |                                   | A1                 |     | A2   |     | A3    |     | A4   |     | B1   |     | B2    |     | B3    |     |
|                           |                                   | RLA                | LRA | RLA  | LRA | RLA   | LRA | RLA  | LRA | RLA  | LRA | RLA   | LRA | RLA   | LRA |
| <b>315A-XL</b>            | 208/230-60                        | 67.9               | 345 | 67.9 | 345 | 67.9  | 345 | 67.9 | 345 | 88.5 | 446 | 115.4 | 610 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 34.6 | 191 | 34.6  | 191 | 34.6 | 191 | 45.5 | 247 | 78.8  | 382 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 34.6 | 173 | 34.6  | 173 | 34.6 | 173 | 43.6 | 223 | 60.9  | 305 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 28.8 | 120 | 28.8  | 120 | 28.8 | 120 | 36.5 | 164 | 46.8  | 244 | 46.8  | 244 |
|                           | 380/415-50                        | 34.6               | 173 | 34.6 | 173 | 60.9  | 305 | 60.9 | 305 | 60.9 | 305 | 60.9  | 305 | 60.9  | 305 |
| <b>315A-PW</b>            | 208/230-60                        | 67.9               | 207 | 67.9 | 207 | 67.9  | 207 | 88.5 | 268 | 88.5 | 268 | 115.4 | 366 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 33.3 | 115 | 33.3  | 115 | 44.9 | 148 | 44.9 | 148 | 79.4  | 230 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 33.3 | 104 | 33.3  | 104 | 44.9 | 134 | 44.9 | 134 | 56.4  | 183 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 28.2 | 72  | 28.2  | 72  | 33.3 | 98  | 33.3 | 98  | 44.9  | 146 | 44.9  | 146 |
|                           | 380/415-50                        | 33.3               | 104 | 33.3 | 104 | 56.4  | 183 | 56.4 | 183 | 56.4 | 183 | 56.4  | 183 | 56.4  | 183 |
| <b>330A-XL</b>            | 208/230-60                        | 88.5               | 446 | 88.5 | 446 | 88.5  | 446 | —    | —   | 88.5 | 446 | 88.5  | 446 | 88.5  | 446 |
|                           | 380-60                            | 45.5               | 247 | 45.5 | 247 | 45.5  | 247 | —    | —   | 45.5 | 247 | 45.5  | 247 | 45.5  | 247 |
|                           | 460-60                            | 43.6               | 223 | 43.6 | 223 | 43.6  | 223 | —    | —   | 43.6 | 223 | 43.6  | 223 | 43.6  | 223 |
|                           | 575-60                            | 36.5               | 164 | 36.5 | 164 | 36.5  | 164 | —    | —   | 36.5 | 164 | 36.5  | 164 | 36.5  | 164 |
|                           | 380/415-50                        | 34.6               | 173 | 34.6 | 173 | 60.9  | 305 | —    | —   | 43.6 | 223 | 60.9  | 305 | 60.9  | 305 |
| <b>330A-PW</b>            | 208/230-60                        | 88.5               | 268 | 88.5 | 268 | 88.5  | 268 | —    | —   | 88.5 | 268 | 88.5  | 268 | 88.5  | 268 |
|                           | 380-60                            | 44.9               | 148 | 44.9 | 148 | 44.9  | 148 | —    | —   | 44.9 | 148 | 44.9  | 148 | 44.9  | 148 |
|                           | 460-60                            | 44.9               | 134 | 44.9 | 134 | 44.9  | 134 | —    | —   | 44.9 | 134 | 44.9  | 134 | 44.9  | 134 |
|                           | 575-60                            | 33.3               | 98  | 33.3 | 98  | 33.3  | 98  | —    | —   | 33.3 | 98  | 33.3  | 98  | 33.3  | 98  |
|                           | 380/415-50                        | 44.9               | 134 | 44.9 | 134 | 56.4  | 183 | —    | —   | 44.9 | 134 | 56.4  | 183 | 56.4  | 183 |
| <b>360A-XL</b>            | 208/230-60                        | 67.9               | 345 | 88.5 | 446 | 115.4 | 610 | —    | —   | 67.9 | 345 | 88.5  | 446 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 45.5 | 247 | 78.8  | 382 | —    | —   | 34.6 | 191 | 45.5  | 247 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 43.6 | 223 | 60.9  | 305 | —    | —   | 34.6 | 173 | 43.6  | 223 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 36.5 | 164 | 46.8  | 244 | —    | —   | 28.8 | 120 | 36.5  | 164 | 46.8  | 244 |
|                           | 380/415-50                        | 60.9               | 305 | 60.9 | 305 | 60.9  | 305 | —    | —   | 60.9 | 305 | 60.9  | 305 | 60.9  | 305 |
| <b>360A-PW</b>            | 208/230-60                        | 67.9               | 207 | 88.5 | 268 | 115.4 | 366 | —    | —   | 67.9 | 207 | 88.5  | 268 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 44.9 | 148 | 79.4  | 230 | —    | —   | 33.3 | 115 | 44.9  | 148 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 44.9 | 134 | 56.4  | 183 | —    | —   | 33.3 | 104 | 44.9  | 134 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 33.3 | 98  | 44.9  | 146 | —    | —   | 28.2 | 72  | 33.3  | 98  | 44.9  | 146 |
|                           | 380/415-50                        | 56.4               | 183 | 44.9 | 134 | 56.4  | 183 | —    | —   | 56.4 | 183 | 56.4  | 183 | 56.4  | 183 |
| <b>390A-XL</b>            | 208/230-60                        | 67.9               | 345 | 67.9 | 345 | 67.9  | 345 | 67.9 | 345 | 88.5 | 446 | 115.4 | 610 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 34.6 | 191 | 34.6  | 191 | 34.6 | 191 | 45.5 | 247 | 78.8  | 382 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 34.6 | 173 | 34.6  | 173 | 34.6 | 173 | 43.6 | 223 | 60.9  | 305 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 28.8 | 120 | 28.8  | 120 | 28.8 | 120 | 36.5 | 164 | 46.8  | 244 | 46.8  | 244 |
|                           | 380/415-50                        | 34.6               | 173 | 34.6 | 173 | 60.9  | 305 | 60.9 | 305 | 60.9 | 305 | 60.9  | 305 | 60.9  | 305 |
| <b>390A-PW</b>            | 208/230-60                        | 67.9               | 207 | 67.9 | 207 | 67.9  | 207 | 88.5 | 268 | 88.5 | 268 | 115.4 | 366 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 33.3 | 115 | 33.3  | 115 | 44.9 | 148 | 44.9 | 148 | 79.4  | 230 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 33.3 | 104 | 33.3  | 104 | 44.9 | 134 | 44.9 | 134 | 56.4  | 183 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 28.2 | 72  | 28.2  | 72  | 33.3 | 98  | 33.3 | 98  | 44.9  | 146 | 44.9  | 146 |
|                           | 380/415-50                        | 33.3               | 104 | 33.3 | 104 | 56.4  | 183 | 56.4 | 183 | 56.4 | 183 | 56.4  | 183 | 56.4  | 183 |
| <b>420A-XL</b>            | 208/230-60                        | 67.9               | 345 | 67.9 | 345 | 67.9  | 345 | 67.9 | 345 | 88.5 | 446 | 115.4 | 610 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 34.6 | 191 | 34.6  | 191 | 34.6 | 191 | 45.5 | 247 | 78.8  | 382 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 34.6 | 173 | 34.6  | 173 | 34.6 | 173 | 43.6 | 223 | 60.9  | 305 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 28.8 | 120 | 28.8  | 120 | 28.8 | 120 | 36.5 | 164 | 46.8  | 244 | 46.8  | 244 |
|                           | 380/415-50                        | 34.6               | 173 | 34.6 | 173 | 60.9  | 305 | 60.9 | 305 | 60.9 | 305 | 60.9  | 305 | 60.9  | 305 |
| <b>420A-PW</b>            | 208/230-60                        | 67.9               | 207 | 67.9 | 207 | 67.9  | 207 | 88.5 | 268 | 88.5 | 268 | 115.4 | 366 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 33.3 | 115 | 33.3  | 115 | 44.9 | 148 | 44.9 | 148 | 79.4  | 230 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 33.3 | 104 | 33.3  | 104 | 44.9 | 134 | 44.9 | 134 | 56.4  | 183 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 28.2 | 72  | 28.2  | 72  | 33.3 | 98  | 33.3 | 98  | 44.9  | 146 | 44.9  | 146 |
|                           | 380/415-50                        | 33.3               | 104 | 33.3 | 104 | 56.4  | 183 | 56.4 | 183 | 56.4 | 183 | 56.4  | 183 | 56.4  | 183 |

See legend and notes on page 68.

**Table 6B — Compressor Electrical Data, 30GUN,GUR (cont)**

| UNIT<br>SIZE<br>30GUN,GUR | NAMEPLATE<br>VOLTAGE<br>(3 Phase) | COMPRESSOR NUMBERS |     |       |     |       |     |      |     |      |     |       |     |       |     |
|---------------------------|-----------------------------------|--------------------|-----|-------|-----|-------|-----|------|-----|------|-----|-------|-----|-------|-----|
|                           |                                   | A1                 |     | A2    |     | A3    |     | A4   |     | B1   |     | B2    |     | B3    |     |
|                           |                                   | RLA                | LRA | RLA   | LRA | RLA   | LRA | RLA  | LRA | RLA  | LRA | RLA   | LRA | RLA   | LRA |
| 315B-XL                   | 208/230-60                        | 67.9               | 345 | 115.4 | 610 | —     | —   | —    | —   | 67.9 | 345 | 88.5  | 446 | —     | —   |
|                           | 380-60                            | 34.6               | 191 | 78.8  | 382 | —     | —   | —    | —   | 34.6 | 191 | 45.5  | 247 | —     | —   |
|                           | 460-60                            | 34.6               | 173 | 60.9  | 305 | —     | —   | —    | —   | 34.6 | 173 | 43.6  | 223 | —     | —   |
|                           | 575-60                            | 28.8               | 120 | 46.8  | 244 | —     | —   | —    | —   | 28.8 | 120 | 36.5  | 164 | —     | —   |
|                           | 380/415-50                        | 60.9               | 305 | 60.9  | 305 | —     | —   | —    | —   | 60.9 | 305 | 60.9  | 305 | —     | —   |
| 315B-PW                   | 208/230-60                        | 67.9               | 207 | 115.4 | 366 | —     | —   | —    | —   | 67.9 | 207 | 88.5  | 268 | —     | —   |
|                           | 380-60                            | 33.3               | 115 | 79.4  | 230 | —     | —   | —    | —   | 33.3 | 115 | 44.9  | 148 | —     | —   |
|                           | 460-60                            | 33.3               | 104 | 56.4  | 183 | —     | —   | —    | —   | 33.3 | 104 | 44.9  | 134 | —     | —   |
|                           | 575-60                            | 28.2               | 72  | 44.9  | 146 | —     | —   | —    | —   | 28.2 | 72  | 33.3  | 98  | —     | —   |
|                           | 380/415-50                        | 56.4               | 183 | 56.4  | 183 | —     | —   | —    | —   | 56.4 | 183 | 56.4  | 183 | —     | —   |
| 330B-XL                   | 208/230-60                        | 88.5               | 446 | 88.5  | 446 | 88.5  | 446 | —    | —   | 88.5 | 446 | 88.5  | 446 | 88.5  | 446 |
|                           | 380-60                            | 45.5               | 247 | 45.5  | 247 | 45.5  | 247 | —    | —   | 45.5 | 247 | 45.5  | 247 | 45.5  | 247 |
|                           | 460-60                            | 43.6               | 223 | 43.6  | 223 | 43.6  | 223 | —    | —   | 43.6 | 223 | 43.6  | 223 | 43.6  | 223 |
|                           | 575-60                            | 36.5               | 164 | 36.5  | 164 | 36.5  | 164 | —    | —   | 36.5 | 164 | 36.5  | 164 | 36.5  | 164 |
|                           | 380/415-50                        | 34.6               | 173 | 34.6  | 173 | 60.9  | 305 | —    | —   | 43.6 | 223 | 60.9  | 305 | 60.9  | 305 |
| 330B-PW                   | 208/230-60                        | 88.5               | 268 | 88.5  | 268 | 88.5  | 268 | —    | —   | 88.5 | 268 | 88.5  | 268 | 88.5  | 268 |
|                           | 380-60                            | 44.9               | 148 | 44.9  | 148 | 44.9  | 148 | —    | —   | 44.9 | 148 | 44.9  | 148 | 44.9  | 148 |
|                           | 460-60                            | 44.9               | 134 | 44.9  | 134 | 44.9  | 134 | —    | —   | 44.9 | 134 | 44.9  | 134 | 44.9  | 134 |
|                           | 575-60                            | 33.3               | 98  | 33.3  | 98  | 33.3  | 98  | —    | —   | 33.3 | 98  | 33.3  | 98  | 33.3  | 98  |
|                           | 380/415-50                        | 44.9               | 134 | 44.9  | 134 | 56.4  | 183 | —    | —   | 44.9 | 134 | 56.4  | 183 | 56.4  | 183 |
| 360B-XL                   | 208/230-60                        | 67.9               | 345 | 88.5  | 446 | 115.4 | 610 | —    | —   | 67.9 | 345 | 88.5  | 446 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 45.5  | 247 | 78.8  | 382 | —    | —   | 34.6 | 191 | 45.5  | 247 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 43.6  | 223 | 60.9  | 305 | —    | —   | 34.6 | 173 | 43.6  | 223 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 36.5  | 164 | 46.8  | 244 | —    | —   | 28.8 | 120 | 36.5  | 164 | 46.8  | 244 |
|                           | 380/415-50                        | 60.9               | 305 | 60.9  | 305 | 60.9  | 305 | —    | —   | 60.9 | 305 | 60.9  | 305 | 60.9  | 305 |
| 360B-PW                   | 208/230-60                        | 67.9               | 207 | 88.5  | 268 | 115.4 | 366 | —    | —   | 67.9 | 207 | 88.5  | 268 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 44.9  | 148 | 79.4  | 230 | —    | —   | 33.3 | 115 | 44.9  | 148 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 44.9  | 134 | 56.4  | 183 | —    | —   | 33.3 | 104 | 44.9  | 134 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 33.3  | 98  | 44.9  | 146 | —    | —   | 28.2 | 72  | 33.3  | 98  | 44.9  | 146 |
|                           | 380/415-50                        | 56.4               | 183 | 44.9  | 134 | 56.4  | 183 | —    | —   | 56.4 | 183 | 56.4  | 183 | 56.4  | 183 |
| 390B-XL                   | 208/230-60                        | 67.9               | 345 | 88.5  | 446 | 115.4 | 610 | —    | —   | 67.9 | 345 | 88.5  | 446 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 45.5  | 247 | 78.8  | 382 | —    | —   | 34.6 | 191 | 45.5  | 247 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 43.6  | 223 | 60.9  | 305 | —    | —   | 34.6 | 173 | 43.6  | 223 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 36.5  | 164 | 46.8  | 244 | —    | —   | 28.8 | 120 | 36.5  | 164 | 46.8  | 244 |
|                           | 380/415-50                        | 60.9               | 305 | 60.9  | 305 | 60.9  | 305 | —    | —   | 60.9 | 305 | 60.9  | 305 | 60.9  | 305 |
| 390B-PW                   | 208/230-60                        | 67.9               | 207 | 88.5  | 268 | 115.4 | 366 | —    | —   | 67.9 | 207 | 88.5  | 268 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 44.9  | 148 | 79.4  | 230 | —    | —   | 33.3 | 115 | 44.9  | 148 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 44.9  | 134 | 56.4  | 183 | —    | —   | 33.3 | 104 | 44.9  | 134 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 33.3  | 98  | 44.9  | 146 | —    | —   | 28.2 | 72  | 33.3  | 98  | 44.9  | 146 |
|                           | 380/415-50                        | 56.4               | 183 | 44.9  | 134 | 56.4  | 183 | —    | —   | 56.4 | 183 | 56.4  | 183 | 56.4  | 183 |
| 420B-XL                   | 208/230-60                        | 67.9               | 345 | 67.9  | 345 | 67.9  | 345 | 67.9 | 345 | 88.5 | 446 | 115.4 | 610 | 115.4 | 610 |
|                           | 380-60                            | 34.6               | 191 | 34.6  | 191 | 34.6  | 191 | 34.6 | 191 | 45.5 | 247 | 78.8  | 382 | 78.8  | 382 |
|                           | 460-60                            | 34.6               | 173 | 34.6  | 173 | 34.6  | 173 | 34.6 | 173 | 43.6 | 223 | 60.9  | 305 | 60.9  | 305 |
|                           | 575-60                            | 28.8               | 120 | 28.8  | 120 | 28.8  | 120 | 28.8 | 120 | 36.5 | 164 | 46.8  | 244 | 46.8  | 244 |
|                           | 380/415-50                        | 34.6               | 173 | 34.6  | 173 | 60.9  | 305 | 60.9 | 305 | 60.9 | 305 | 60.9  | 305 | 60.9  | 305 |
| 420B-PW                   | 208/230-60                        | 67.9               | 207 | 67.9  | 207 | 67.9  | 207 | 88.5 | 268 | 88.5 | 268 | 115.4 | 366 | 115.4 | 366 |
|                           | 380-60                            | 33.3               | 115 | 33.3  | 115 | 33.3  | 115 | 44.9 | 148 | 44.9 | 148 | 79.4  | 230 | 79.4  | 230 |
|                           | 460-60                            | 33.3               | 104 | 33.3  | 104 | 33.3  | 104 | 44.9 | 134 | 44.9 | 134 | 56.4  | 183 | 56.4  | 183 |
|                           | 575-60                            | 28.2               | 72  | 28.2  | 72  | 28.2  | 72  | 33.3 | 98  | 33.3 | 98  | 44.9  | 146 | 44.9  | 146 |
|                           | 380/415-50                        | 33.3               | 104 | 33.3  | 104 | 56.4  | 183 | 56.4 | 183 | 56.4 | 183 | 56.4  | 183 | 56.4  | 183 |

See legend and notes on page 68.

**Table 7 — Condenser Fan Data**

| UNIT SIZE<br>30GTN,GTR,GUN,GUR                                                         | NOMINAL VOLTAGE<br>(V-Ph-Hz) | STANDARD<br>CONDENSER FANS |                        | HIGH-STATIC<br>CONDENSER FANS |          |
|----------------------------------------------------------------------------------------|------------------------------|----------------------------|------------------------|-------------------------------|----------|
|                                                                                        |                              | Total<br>(Quantity)        | (Quantity)<br>FLA (ea) | Total<br>(Quantity)           | FLA (ea) |
| <b>040</b>                                                                             | 208/230-3-60                 | 4                          | (2) 6.7, (2) 5.5       | 4                             | 14.6     |
|                                                                                        | 460-3-60                     |                            | (2) 3.3, (2) 2.8       |                               | 6.3      |
|                                                                                        | 575-3-60                     |                            | (4) 3.4                |                               | 5.2      |
|                                                                                        | 380-3-60                     |                            | (4) 3.9                |                               | 7.4      |
|                                                                                        | 380/415-3-50                 |                            | (4) 3.5                |                               | 7.3      |
| <b>045</b>                                                                             | 208/230-3-60                 | 4                          | (2) 6.7, (2) 5.5       | 4                             | 14.6     |
|                                                                                        | 460-3-60                     |                            | (2) 3.3, (2) 2.8       |                               | 6.3      |
|                                                                                        | 575-3-60                     |                            | (4) 3.4                |                               | 5.2      |
|                                                                                        | 380-3-60                     |                            | (4) 3.9                |                               | 7.4      |
|                                                                                        | 380/415-3-50                 |                            | (4) 3.5                |                               | 7.3      |
| <b>050</b>                                                                             | 208/230-3-60                 | 4                          | (2) 6.7, (2) 5.5       | 4                             | 14.6     |
|                                                                                        | 460-3-60                     |                            | (2) 3.3, (2) 2.8       |                               | 6.3      |
|                                                                                        | 575-3-60                     |                            | (4) 3.4                |                               | 5.2      |
|                                                                                        | 380-3-60                     |                            | (4) 3.9                |                               | 7.4      |
|                                                                                        | 380/415-3-50                 |                            | (4) 3.5                |                               | 7.3      |
| <b>060</b>                                                                             | 208/230-3-60                 | 6                          | (4) 6.7, (2) 5.5       | 6                             | 14.6     |
|                                                                                        | 460-3-60                     |                            | (4) 3.3, (2) 2.8       |                               | 6.3      |
|                                                                                        | 575-3-60                     |                            | (6) 3.4                |                               | 5.2      |
|                                                                                        | 380-3-60                     |                            | (6) 3.9                |                               | 7.4      |
|                                                                                        | 380/415-3-50                 |                            | (6) 3.5                |                               | 7.3      |
| <b>070</b>                                                                             | 208/230-3-60                 | 6                          | (4) 6.7, (2) 5.5       | 6                             | 14.6     |
|                                                                                        | 460-3-60                     |                            | (4) 3.3, (2) 2.8       |                               | 6.3      |
|                                                                                        | 575-3-60                     |                            | (6) 3.4                |                               | 5.2      |
|                                                                                        | 380-3-60                     |                            | (6) 3.9                |                               | 7.4      |
|                                                                                        | 380/415-3-50                 |                            | (6) 3.5                |                               | 7.3      |
| <b>080,090,<br/>230B,245B</b>                                                          | 208/230-3-60                 | 6                          | (4) 6.6, (2) 5.5       | 6                             | 14.6     |
|                                                                                        | 460-3-60                     |                            | (4) 3.3, (2) 2.8       |                               | 6.3      |
|                                                                                        | 575-3-60                     |                            | (6) 3.4                |                               | 5.2      |
|                                                                                        | 380-3-60                     |                            | (6) 3.9                |                               | 7.4      |
|                                                                                        | 380/415-3-50                 |                            | (6) 3.4                |                               | 7.3      |
| <b>100,110,<br/>255B,270B,<br/>290B,315B</b>                                           | 208/230-3-60                 | 8                          | (6) 6.6, (2) 5.5       | 8                             | 14.6     |
|                                                                                        | 460-3-60                     |                            | (6) 3.3, (2) 2.8       |                               | 6.3      |
|                                                                                        | 575-3-60                     |                            | (8) 3.4                |                               | 5.2      |
|                                                                                        | 380-3-60                     |                            | (8) 3.9                |                               | 7.4      |
|                                                                                        | 380/415-3-50                 |                            | (8) 3.4                |                               | 7.3      |
| <b>130-170<br/>230A-270A,<br/>330A/B,<br/>360B (50 Hz)</b>                             | 208/230-3-60                 | 10                         | (6) 6.6, (4) 5.5       | 10                            | 14.6     |
|                                                                                        | 460-3-60                     |                            | (6) 3.3, (4) 2.8       |                               | 6.3      |
|                                                                                        | 575-3-60                     |                            | (10) 3.4               |                               | 5.2      |
|                                                                                        | 380-3-60                     |                            | (10) 3.9               |                               | 7.4      |
|                                                                                        | 380/415-3-50                 |                            | (10) 3.4               |                               | 7.3      |
| <b>190,210,<br/>290A,315A,<br/>360A/B (60 Hz),<br/>360A (50 Hz),<br/>390A/B,420A/B</b> | 208/230-3-60                 | 12                         | (8) 6.6, (4) 5.5       | 12                            | 14.6     |
|                                                                                        | 460-3-60                     |                            | (8) 3.3, (4) 2.8       |                               | 6.3      |
|                                                                                        | 575-3-60                     |                            | (12) 3.4               |                               | 5.2      |
|                                                                                        | 380-3-60                     |                            | (12) 3.9               |                               | 7.4      |
|                                                                                        | 380/415-3-50                 |                            | (12) 3.4               |                               | 7.3      |

See legend and notes on page 68.

## LEGEND AND NOTES FOR TABLES 4A-7

### LEGEND

|                 |                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FLA</b>      | — Full Load Amps (Fan Motors)                                                                                                                                                                                                                            |
| <b>ICF</b>      | — Maximum Instantaneous Current Flow during starting (the point in the starting sequence where the sum of the LRA for the starting compressor, plus the total RLA for all running compressors, plus the total FLA for all running fan motors is maximum) |
| <b>LRA</b>      | — Locked Rotor Amps                                                                                                                                                                                                                                      |
| <b>MCA</b>      | — Minimum Circuit Amps (for wire sizing) — complies with NEC Section 430-24                                                                                                                                                                              |
| <b>MOCP</b>     | — Maximum Overcurrent Protective Device Amps                                                                                                                                                                                                             |
| <b>NEC</b>      | — National Electrical Code, U.S.A.                                                                                                                                                                                                                       |
| <b>PW</b>       | — Part Wind Start                                                                                                                                                                                                                                        |
| <b>Rec Fuse</b> | — Recommended dual-element fuse amps: 150% of largest size compressor RLA plus 100% of sum of remaining compressor RLAs. Size up to the next larger fuse size.                                                                                           |
| <b>RLA</b>      | — Rated Load Amps (Compressors)                                                                                                                                                                                                                          |
| <b>XL</b>       | — Across-the-Line Start                                                                                                                                                                                                                                  |

\*Units are suitable for use on electrical systems where voltage supplied to the unit terminals is not below or above the listed minimum and maximum limits. Maximum allowable phase imbalance is: voltage, 2%; amps 10%.

### NOTES:

1. All units/modules have single point primary power connection. (Each unit/module requires its own power supply.) Main power must be supplied from a field-supplied disconnect.
2. The unit control circuit power (115 v, single-phase for 208/230-, 460-, and 575-v units; 230 v, single-phase for all other voltages) must be supplied from a separate source through a field-supplied disconnect. The control circuit transformer accessory may be applied to power from primary unit power.
3. Crankcase and cooler heaters are wired into the control circuit so they are always operable as long as the control circuit power supply disconnect is on, even if any safety device is open, and the unit ON/OFF switch is in the OFF position.

4. Units have the following power wiring terminal blocks and parallel conductors:

| UNIT SIZE<br>30GTN,GTR,<br>GUN,GUR                           | VOLTAGE | TERMINAL<br>BLOCKS | PARALLEL<br>CONDUCTORS       |
|--------------------------------------------------------------|---------|--------------------|------------------------------|
| <b>040 to 070</b>                                            | 208/230 | 1                  | 3 (040, 045),<br>6 (050-070) |
|                                                              | 460     | 1                  | 3                            |
|                                                              | 575     | 1                  | 3                            |
|                                                              | 380     | 1                  | 3                            |
|                                                              | 380/415 | 1                  | 3                            |
| <b>080 to 110<br/>230B to 315B</b>                           | 208/230 | 1                  | 6                            |
|                                                              | 460     | 1                  | 3                            |
|                                                              | 575     | 1                  | 3                            |
|                                                              | 380     | 1                  | 3                            |
|                                                              | 380/415 | 1                  | 3                            |
| <b>130 to 210,<br/>230A to 315A<br/>330A/B to<br/>420A/B</b> | 208/230 | 3                  | 9                            |
|                                                              | 460     | 2                  | 6                            |
|                                                              | 575     | 2                  | 6                            |
|                                                              | 380     | 2                  | 6                            |
|                                                              | 380/415 | 2                  | 6                            |

5. Maximum incoming wire size for each terminal block is 500 kcmil.
6. Power draw control circuits include both crankcase heaters and cooler heaters (where used). Each compressor has a crankcase heater which draws 180 watts of power.

Units ordered with cooler heater option have 2 (040-050), 4 (060,070), or 8 (080-420) cooler heaters, 210 watts each.

## Step 6 — Install Factory-Supplied Sound Reduction Option —

This option is a specially designed system of fans and acoustic enclosures for reducing system noise without compromising unit performance. No fan motor change is required, and the system is compatible with the Motormaster® III control. Shipped from the factory are the following:

- Sheet metal stacks (amount varies with size of unit)
- (28) no. 10  $\frac{3}{4}$ -in. Screws
- (4)  $\frac{1}{4}$ -14 x  $\frac{5}{8}$ -in. screws per stack
- (4) upper and lower mounting tabs per stack, upper clips have (3)  $\frac{5}{16}$ -in. holes per tab, lower clips have (2)  $\frac{5}{16}$ -in. holes and (1) .20-in. hole.

Inspect the contents of each package for any missing or damaged parts. File a claim with the shipping company if any item is missing or damaged, and notify your Carrier representative.

1. Turn off power to unit before installing accessory. Remove the existing fan guards (see Fig. 26). Be sure to save the mounting screws and the fan guards for reinstallation on top of the acoustic enclosures after the enclosures are installed on the fan deck.
2. Roll each sheet metal piece into a cylinder shape, line up clearance holes on the outside. Secure the ends with the no. 10 screws provided.
3. Attach (4) upper and (4) lower mounting clips to the stack assembly using no.  $\frac{3}{4}$ -in screws.

### ⚠ CAUTION

To avoid possible damage to accessory components, do not remove them from the packaging until they are ready to be installed. DO NOT stack anything on top of the fan propellers; damaging the propellers can cause fan imbalance.

When the accessory sound reduction kits are ready to be installed, carefully remove the accessory fan propellers and the acoustic enclosures from the packaging.

Mount the acoustic enclosures on the fan deck as follows:

**IMPORTANT:** When mounting the acoustic enclosures to the fan deck, be sure to use the 4 bottom mounting tabs with the larger screw holes. Use the 4 upper mounting tabs with the smaller screw holes for reinstallation of the fan guards removed in Step 2.

4. Position the 4 bottom mounting tabs over the screw holes left when the fan guards were removed in Step 2.
5. Install the 4 mounting screws ( $\frac{1}{4}$ -14 x  $\frac{5}{8}$ -in.) provided for each acoustic enclosure.
6. Using the screws removed in Step 2, reinstall the fan guards on top of the installed acoustic enclosures. See Fig. 27.
7. Restore power to the unit.

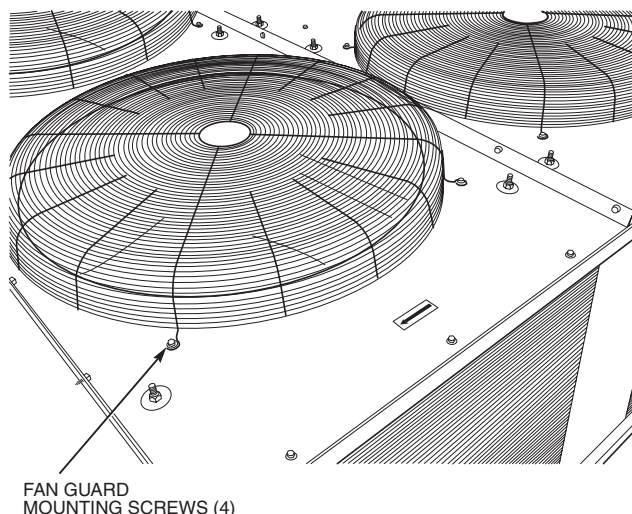
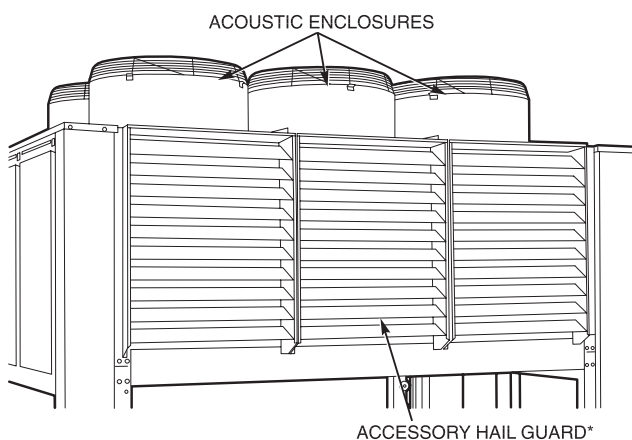


**Fig. 26 — Fan Guards**



\*Hail guard accessory is not required as part of sound reduction kit.

**Fig. 27 — Sound Reduction Kit Installed**

## Step 7 — Install Accessories

**ELECTRICAL** — A number of electrical accessories are available to provide the following optional features (for details, refer to the Controls, Start-Up, Operation, Service, and Troubleshooting book):

- Energy Management Module (used for any of the following types of temperature reset, demand limit and ice features):
  - 4 to 20 mA leaving fluid temperature reset (requires field-supplied 4 to 20 mA generator)
  - 4 to 20 mA cooling set point reset (requires field-supplied 4 to 20 mA generator)

- Discrete inputs for 2-step demand limit (requires field-supplied dry contacts)
- 4 to 20 mA demand limit (requires field-supplied 4 to 20 mA generator)
- Discrete input for Ice Done switch (requires field-supplied dry contacts)
- Chilled fluid flow switch/interlock
- Service option:
  - Provides hand-held, mobile capability display module with easy to read 4 line, Navigator display. Keypad function is the same as the standard display module. Features magnet for 'hands free' service of components.
  - Remote connection port includes cable and outlet for use of display module at most common service area.
  - Energy Management Module with features listed above.
  - GFCI (ground fault current interrupter) convenience outlet (60 Hz only).

**LOW-AMBIENT OPERATION** — If operating temperatures below 0° F (-18 C) are expected, refer to separate installation instructions for low-ambient operation, Motormaster® III control.

**HOT GAS BYPASS** — Hot gas bypass usually is *not* recommended because it results in application of equipment out of its normal design application range. However, if its use is required, the appropriate hot gas bypass package may be used. For installation details, refer to separate instructions supplied with the accessory package.

**MISCELLANEOUS ACCESSORIES** — For applications requiring special accessories, the following packages are available: condenser hail guard, gage panel, sound reduction kit, convenience outlet, and security grille package.

## Step 8 — Refrigerant Circuit

**LEAK TESTING** — Units are shipped with complete operating charge of refrigerant R-22 (30GTN,GTR) or R-134a (30GUN,GUR) (see Tables 2A-3B) and should be under sufficient pressure to conduct a leak test. If there is no pressure in the system, use standard refrigeration practices to search for the leak. Repair the leak using good refrigeration practices. After leaks are repaired, system must be evacuated and dehydrated prior to recharging with refrigerant.

**DEHYDRATION** — Refer to Carrier Standard Service Techniques Manual, Chapter 1, Refrigerants, Sections 6 and 7 for details. *Do not use compressor to evacuate system.*

**REFRIGERANT CHARGE** (Refer to Tables 2A-3B) — Immediately ahead of filter drier in each circuit is a factory-installed liquid line service valve. Each valve has a 1/4-in. Schrader connection for charging liquid refrigerant.





