



30GTN

Air-Cooled Chillers

WITH COMFORTLINK™ MICROPROCESSOR CONTROL SYSTEM



Quick Start
ComfortLink
Easy Operation
Saves Money

EASY OPERATION WITH QUICK INSTALLATION AND START-UP THAT SAVE YOU MONEY

Carrier's 30G Chiller Puts You in Control of Your Budgets.

With over 35,000 units installed worldwide *and* nearly two decades of reliable field performance, Carrier's 30G air-cooled reciprocating chillers are favored by specifiers, contractors, and building owners alike. Add to that our new microprocessor control system – ComfortLink™ – and this line of chillers delivers unparalleled control and ease of use.

ComfortLink Controls: Easy, Intuitive, Accurate, and Flexible.

Microprocessor controllers aren't news anymore – unless they're ComfortLink. This innovative, standard Carrier Comfort Network (CCN)-compatible microprocessor affords uniquely simple yet powerful and intuitive control over the 30G's operation. Its **Scrolling Marquee** display gives operators a window into the chiller's operation in *clear* English language – with the capability of Spanish, Portuguese, or French – not complex, cryptic codes. Plus its interface is tucked neatly inside the control box and is designed for the many years of reliable service that have distinguished the 30G Series.



Comfort Link

Choose the Option to Best Suit Your Control Needs.

The power and flexibility of the standard ComfortLink controller can be further enhanced by one of these option packages:

Energy Management Option: Adds energy management, demand limit, load shed, and water temp reset capabilities, for added control over more aspects of operation and reduced energy usage. Particularly useful in retrofit situations with existing building management systems that supply 4 - 20mA signals.

Service Option: This package includes all the above, plus a convenience outlet and service port for our exclusive Navigator – Carrier's unique remote, handheld diagnostic unit. Navigator will offer expanded information on virtually every aspect of the 30G's operation. This unit will plug into a remote service port or at the main control box, and its tether cord will allow technicians access to all necessary chiller components. Ask your Carrier representative for more details.



30G Benefits

CONTRACTOR BENEFITS:

- Reduces Start-up Time by Up to 30%
- So Easy, Less Training is Needed
- Makes Service Calls More Productive
- Easy to Understand with No Codes to Interpret
- Clear Language for Reliable Diagnostics
- Multiple Language for Reliable Diagnostics
- Easy to Use Through Simple Menu Navigation
- Simple Operation
- Easy to See Brighter Display
- Buttons Big Enough to Push While Wearing Gloves
- Faster Display Response Quick Menu Assess
- Faster Diagnostics to Increase Productivity
- Immediate Alarm Recognition through Status LED
- Common Controls Mean Fewer Systems to Understand

OWNER BENEFITS:

- Lower Operating and Maintenance Costs
- Quicker Building Occupancy
- Reduced Downtime During Service
- Less Training for Facility Staff
- Common Controls Mean Fewer System Variations to Maintain
- Energy Management Features Save Operating Costs

ENGINEER BENEFITS:

- Increases Construction Document Development Productivity
- Faster Path to Punch List Completion Finishes the Job Faster
- Common Controls on All 30 Series Mean Fewer Specs to Write
- Faster Startup Means Getting Paid Faster
- Can Spec Energy Management Capability for All Chillers

Quieter than Ever.

Low face velocities make the 30G up to six decibels (6 dBA) quieter than other leading chillers. Stand nine meters (30 ft.) away from a 30G, and you'll hear only the noise you'd hear from other chillers twice as far away! If you need even quieter operation, choose the optional low-noise fan.

The Widest Operating Range in Its Class – in a Smaller Package.

The 30G operates at full capacity under a wider range of ambient temperatures than *any* comparable chiller – up to a sweltering 52°C (125°F) or down to a chilly -18°C (0°F). Or down to -29°C (-20°F) as an option. And it delivers greater part-load efficiencies during outdoor temperature swings, as well as a wider chilled water operating range of 4 - 21°C (40 - 70°F), with pulldown from up to 35°C (95°F) water loop temperature.

Plus, the 30G goes where other larger chillers can't, with side access that eases installation and service.

Low Operating & Labor Costs.

We know that no two applications are alike and no chiller operates at full load under a single temperature. So we've designed the 30G in a wide range of sizes with performance that exceeds current ASHRAE 90.1 requirements, and even higher part-load efficiencies and Integrated Part-Load Value ratings. Labor and installation costs are low, too, with industry-standard clamp-on couplings to simplify piping, and refrigerant isolation valves to eliminate the need for costly storage tanks and time-consuming evacuation.

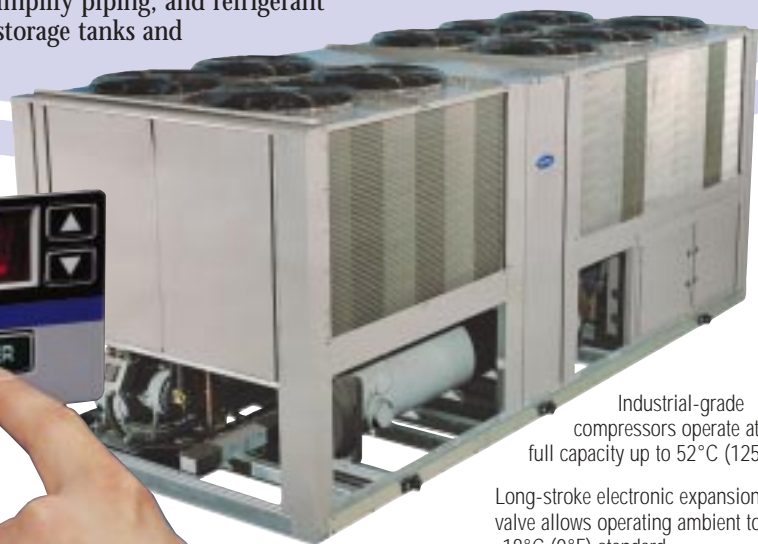
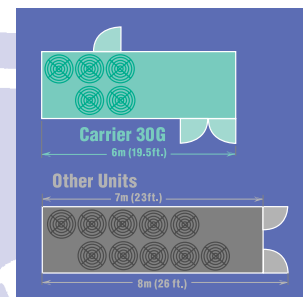
The Perfect Fit.

Because there's a 30G to match your application requirements, you don't waste money on unused capacity.

And whatever size you choose, you'll find it loaded with standard features that are *options* on competitive units.



ComfortLink controller provides a new level of ease in operation, maintenance, and control.



Industrial-grade compressors operate at full capacity up to 52°C (125°F).

Long-stroke electronic expansion valve allows operating ambient to -18°C (0°F) standard.

Enter a New Era of Easy Chiller Operation.

Contact your local Carrier representative today. Or simply call 1-800-CARRIER or visit our Web site at www.carrier-commercial.com to learn more.

Carrier 30G Air-Cooled Chiller Specifications

Model	Cooling Capacity				Dimensions					
	60 Hz		50 Hz		Length		Width		Height	
	kW	tons	kW	tons	mm	ft	mm	ft	mm	ft
30GT 015*	50	14	54	15	3251	10.7	1143	3.8	1321	4.3
30GT 020*	61	17	69	20	3251	10.7	1143	3.8	1321	4.3
30GT 025*	85	24	83	24	3251	10.7	1753	5.8	1321	4.3
30GT 030*	94	27	106	30	3251	10.7	1753	5.8	1321	4.3
30GT 035*	123	35	-	-	4394	14.4	1753	5.8	1321	4.3
30GT 040	127	36	124	35	2515	8.3	2261	7.4	2261	7.4
30GT 045	148	42	149	42	2515	8.3	2261	7.4	2261	7.4
30GT 050	179	51	182	52	2515	8.3	2261	7.4	2261	7.4
30GT 060	225	64	214	61	3124	10.3	2261	7.4	2261	7.4
30GT 070	258	73	250	71	3124	10.3	2261	7.4	2261	7.4
30GT 080	291	83	288	82	3429	11.3	2337	7.7	2438	8.0
30GT 090	310	88	322	91	3429	11.3	2337	7.7	2438	8.0
30GT 100	354	101	356	101	4267	14.0	2337	7.7	2438	8.0
30GT 110	382	109	394	112	4267	14.0	2337	7.7	2438	8.0
30GT 130	429	122	438	124	5944	19.5	2337	7.7	2438	8.0
30GT 150	497	141	513	146	5944	19.5	2337	7.7	2438	8.0
30GT 170	557	158	561	160	5944	19.5	2337	7.7	2438	8.0
30GT 190	612	174	637	181	6858	22.5	2337	7.7	2438	8.0
30GT 210	713	203	713	203	6858	22.5	2337	7.7	2438	8.0
30GT 230	788	224	801	228	9354	30.7	2337	7.7	2438	8.0
30GT 245	808	230	834	237	9354	30.7	2337	7.7	2438	8.0
30GT 255	851	242	869	247	11887	39.0	2337	7.7	2438	8.0
30GT 270	911	259	917	261	10221	33.5	2337	7.7	2438	8.0
30GT 290	994	283	1032	293	12527	41.1	2337	7.7	2438	8.0
30GT 315	1095	311	1107	315	11906	39.1	2337	7.7	2438	8.0
30GT 330	1114	317	1122	319	11906	39.1	2337	7.7	2438	8.0
30GT 360	1223	348	-	-	13716	45.0	2337	7.7	2438	8.0
30GT 360	-	-	1198	341	12815	42.0	2337	7.7	2438	8.0
30GT 390	1325	377	1350	384	13716	45.0	2337	7.7	2438	8.0
30GT 420	1426	405	1426	405	13716	45.0	2337	7.7	2438	8.0

* Scrolling marquee display is optional on noted units.



Quality Assurance



As the world leader in Heating, Ventilation and Air Conditioning, Carrier is committed to continually improving the quality of comfort we provide to our customers.

But our level of responsibility extends well beyond...

Carrier Corporation has identified six specific areas which directly impact how we, as a world manufacturer, balance our customers' needs for comfort with the environment's needs for responsible consumption.

These symbols graphically represent our six areas of concentration and will serve as visual reminders of the importance of managing our finite resources.

Each one of us at Carrier Corporation believes that, for generations to come, success will not only be measured by the quality of our products and systems, but also by how we have improved the quality of life.

