



# PRODUCT BULLETIN

North America Commercial

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**Date:** 1/13/04      **Subject:** MotorMaster V  
Low Ambient Control Revision      **Dept:** Marketing

**Number:** 111-04-02-E      **Product Model Number:**  
09DK, 30GTN/GTR, 30GXN/GXR,  
30RAN, 38AH, 38AKS      **Author:** Keith Chandler

MotorMaster V is a VFD based, condenser fan speed control which allows chiller operation down to -20 F (-29 C) ambient temperature. A change has recently been instituted on the MotorMaster V low ambient control such that this device now uses the Run-Stop contact feature, thus making better use of the inherent control features of the MotorMaster V. As a result of this change, the accessory packages have changed to include the control contact relay.

The MotorMaster V is offered as both a factory-installed option and a field-installed accessory on the 30GTN/GTR, 30GXN/GXR and 30RAN models. For the remaining models covered in this bulletin, the MotorMaster V is only available as a field-installed accessory. The following tables present the old and new accessory package numbers for each product. The effective date for the factory-installed version of this change varies with the products covered in this bulletin, and is presented as a reference near each product's corresponding accessory table.

Changes to the price pages are pending. In the meantime, use the existing prices. The accessory package installation instructions have been released, and they are available on HVAC Partners.

The following tables present the old and new accessory part numbers as well as a reference to when the factory-installed version took effect. Be sure to use the **new** accessory part numbers when you are placing an order. If you have further questions on this, please contact the Syracuse application engineering group.

## 30GTN/GTR

*The part number change for the 30GTN/GTR MotorMaster V accessory is presented immediately below.  
The package change for the MotorMaster V factory-installed option was effective starting with S/N 4503F.....*

Unit 30GTN/GTR	Voltage	Old Accessory Part Number	New Accessory Part Number	Quantity Required
040-110, 230B-315B	208/230-3-60 230-3-50	30GT-911---064	30GT-911---080	1
040-110, 230B-315B	380-3-60 380/415-3-50 460-3-60	30GT-911---065	30GT-911---081	1
040-110, 230B-315B	575-3-60	30GT-911---066	30GT-911---082	1
130-210, 230A-315A, 330A/B-420A/B	208/230-3-60 230-3-50	30GT-911---067	30GT-911---074	1
130-210, 230A-315A, 330A/B-420A/B	380-3-60 380/415-3-50 460-3-60	30GT-911---068	30GT-911---075	1
130-210, 230A-315A, 330A/B-420A/B	575-3-60	30GT-911---069	30GT-911---076	1

## 30GXN/GXR

*The part number change for the 30GXN/GXR MotorMaster V accessory is presented immediately below.  
The package change for the MotorMaster V factory-installed option was effective starting with S/N 4703F.....*

Unit 30GXN/GXR	Voltage	Old Accessory Part Number	New Accessory Part Number	Quantity Required
080, 083, 090, 093, 106, 108, 114, 118, 125, 128, 135, 138, 150, 160, 283B, 303B, 370B, 373B, 390B, 415B	208/230-3-60	30GX-900---061	30GX-900---072	1
	380-3-60 460-3-60	30GX-900---062	30GX-900---073	1
	575-3-60	30GX-900---059	30GX-900---071	1
153, 163, 174, 178, 204, 208, 225, 228, 249, 253, 264, 268, 281, 283A, 301, 303A, 325, 328A/B, 350, 353A/B, 370A, 373A, 390A, 393A/B, 415A, 418A/B, 450A/B, 453A/B, 475A/B, 478A/B, 500A/B, 503A/B, 525A/B, 528A/B	208/230-3-60	30GX-900---065	30GX-900---075	1
	380-3-60 460-3-60	30GX-900---066	30GX-900---076	1
	575-3-60	30GX-900---063	30GX-900---074	1

## 30RAN

The part number change for the 30RAN MotorMaster V accessory is presented immediately below.  
 The package change for the MotorMaster V factory-installed option was effective starting with S/N 4203F.....

Unit 30RAN	Voltage	Old Accessory Part Number	<b>New</b> Accessory Part Number	Quantity Required
010-030	208/230-3-60 230-3-50	30RA-900---006	30RA-900---024	1
010-030	380-3-60 380/415-3-50 460-3-60	30RA-900---015	30RA-900---025	1
010-030	575-3-60	30RA-900---016	30RA-900---026	1
032-055	208/230-3-60 230-3-50	30RA-900---017	30RA-900---027	1
032-055	380-3-60 380/415-3-50 460-3-60	30RA-900---018	30RA-900---028	1
032-055	575-3-60	30RA-900---019	30RA-900---029	1

## 09DK, 38AH & 38AKS (Shown in following 2 charts)

Unit Model	Voltage	Old Accessory Part Number	<b>New</b> Accessory Part Number	Quantity Required
38AH024-034, 38AKS028-044, & 09DK020-044	208/230-3-60 230-3-50	30GT-911---070	30GT-911---077	1
38AH024-034, 38AKS028-044, & 09DK020-044	380/460-3-60 400-3-50	30GT-911---071	30GT-911---078	1
38AH024-034, 38AKS028-044, & 09DK020-044	575-3-60	30GT-911---072	30GT-911---079	1

**Note:** 09DK020 - 044 units require a fan cycling control package.

Unit Model	Voltage	Old Accessory Part Number	New Accessory Part Number	Quantity Required
38AH044 - 104	208/230-3-60	30GT-911---064	30GT-911---080	1
38AH044 - 104	380/460-3-60	30GT-911---065	30GT-911---081	1
38AH044 - 104	400-3-50	30GT-911---065	30GT-911---081	1
38AH044 - 104	575-3-60	30GT-911---066	30GT-911---082	1
38AH124 - 134	208/230-3-60	30GT-911---064	30GT-911---080	2
38AH124 - 134	380/460-3-60	30GT-911---065	30GT-911---081	2
38AH124 - 134	400-3-50	30GT-911---065	30GT-911---081	2
38AH124 - 134	575-3-60	30GT-911---066	30GT-911---082	2
09DK054 - 094	208/230-3-60	30GT-911---064	30GT-911---080	1
09DK054 - 094	380/460-3-60	30GT-911---065	30GT-911---081	1
09DK054 - 094	400-3-50	30GT-911---065	30GT-911---081	1
09DK054 - 094	575-3-60	30GT-911---066	30GT-911---082	1

**Note:** 575 Volt units do not require a transformer.