

# JuggerNaut™

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## Inverter Duty Condenser Fan Motors



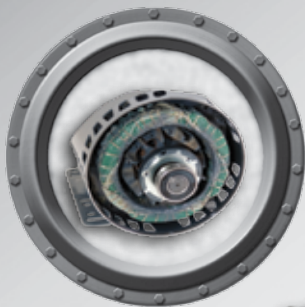
**A.O. SMITH**  
**ELECTRICAL PRODUCTS**  
**COMPANY**

A DIVISION OF A. O. SMITH CORPORATION



## Features:

- **Inverter Duty:** Corona free with conductive bearing grease for reliable use with today's inverters.
- **70°C (158°F) max amb:** UL and CSA rated for 70°C (158°F) max ambient temperatures.
- **Class F Insulation:** UL and CSA approved, non-hygroscopic class F insulation system achieves superior dielectric strength for long thermal life.
- **VCM™:** Voltage change module makes changing voltages quick and easy.
- **Rigid Base:** Easy to remove 56H rigid base provides multiple mounting options.
- **Enclosed Shaft End:** Shaft up mounting.
- **Electrically Reversible:** Easy rotation change with quick connect terminal board.
- **High Temperature:** Automatic overload protector reduces nuisance trip outs.
- **Windings:** 100% copper windings and optimum windng design minimize losses resulting in higher efficiencies, increased motor life and lower operating cost.
- **Efficiency:** Conservationist™: energy efficient 3 phase designs.
- **Bearings:** Heavy duty, double sealed, anti-friction, high performance ball bearings for long reliable life. Bearing is locked on opposite shaft end.
- **Bearing Protection:** Large high temperature nylon glass filled shaft slinger keeps water and dirt out of the motor bearings.
- **Positioning Lugs:** Makes easy work of belly band mounting.
- **Rotor Coating:** Corrosion resistant coating on rotor core for longer motor life.
- **Drain Holes:** Allows quick draining of moisture build up.
- **Mounting Bolts:** Heavy duty #10-32 bolts with 1.0" extension.
- **Fasteners:** Extra mounting nuts are supplied to allow for quick installations.
- **High Torque:** Ultra-high-torque designs handle even the heaviest loads.
- **Approvals:** UL recognized and CSA certified.



Class F Insulation



Inverter Duty



Removable Rigid Base



VCM™

## Specifications:

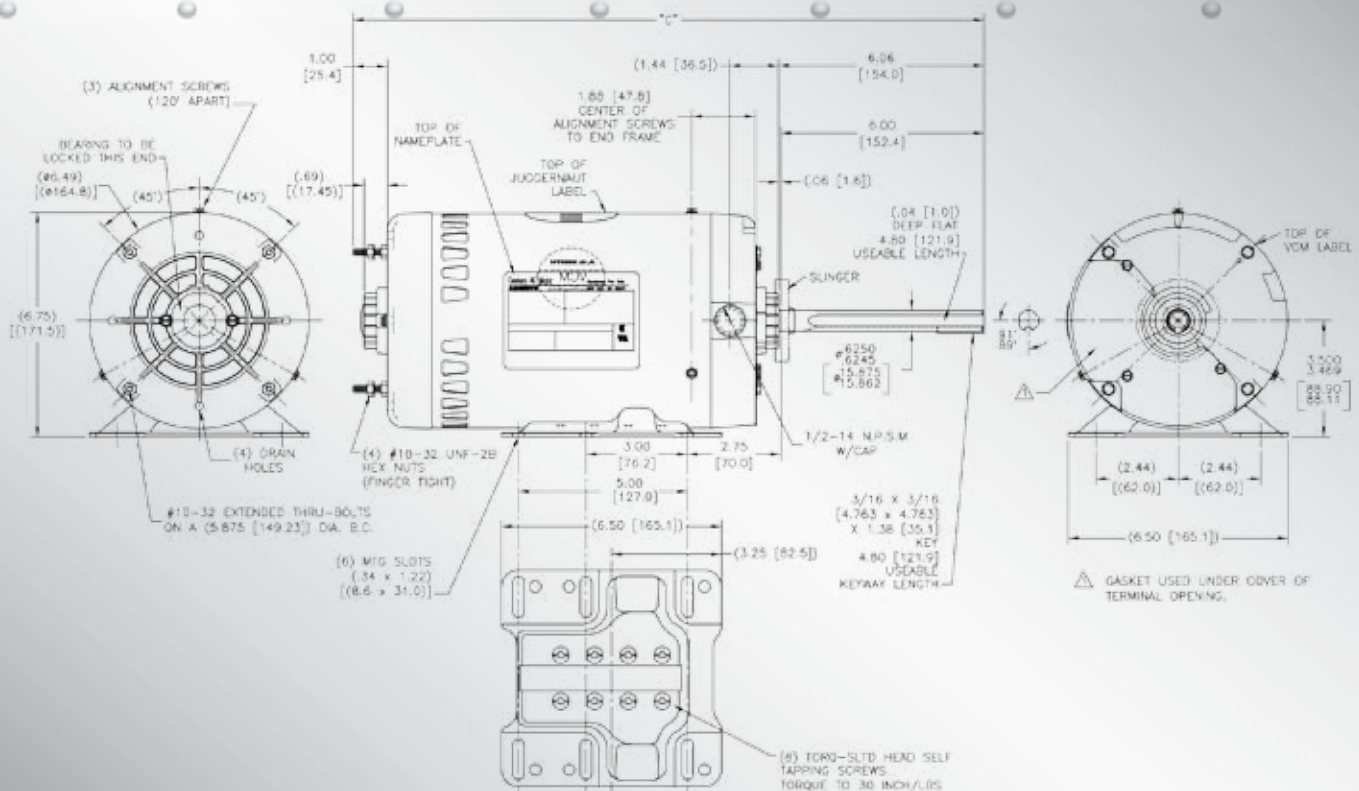
- Inverter duty
- Removable 56H rigid base
- VCM™ - Voltage Change Module
- 70°C (158°) max ambient
- Class F moisture resistant insulation
- Automatic overload protector
- Large water slinger
- Double sealed ball bearings
- Positioning lugs for easy belly-band mounting
- Shaft up mounting
- Quick connect design
- Energy-efficient three phase design
- Conductive bearing grease for inverter applications
- 50/60 Hertz
- Three phase
- Continuous duty, air over

## Class F Insulation - 70°C (158°F) Max Ambient

Stock No.	HP	Volts	Amps	RPM	Speeds	Frame Size	Rotation	Type	Bearings	"C" Dim.	Shaft	Wt. (lbs)
H1050	1.0	208-230/460	4.0-4.4/2.2	1140	1	56H	Reversible	Three Phase	Ball	16.63	5/8" x 6.0"	29
H1051	1.5	208-230/460	5.8-5.8/2.9	1140	1	56H	Reversible	Three Phase	Ball	17.63	5/8" x 6.0"	38
H1052	2.0	208-230/460	7.0-7.4/3.7	1140	1	56H	Reversible	Three Phase	Ball	18.63	5/8" x 6.0"	45
H1053	1.0	208-230/460	5.0-5.2/2.6	850	1	56H	Reversible	Three Phase	Ball	18.63	5/8" x 6.0"	45

## Note:

It is the responsibility of the installer to properly adjust the drive to the motor for the specific application. The correct volts/Hz settings are application specific and unique to each motor. Failure to perform proper set up can lead to substandard performance and /or premature failure of the system components.



## Cross Reference

A. O. Smith	Marathon*	Emerson*	G.E.*	Fasco*	Leeson*	Baldor*	Mars*
<b>Belly Band</b>							
H1050	X502	1818	K379	D6608	111147	CFM3156A	3189
H1051	X503	1819	K380	D6610	111148	CFM3166A	3190
H1052	X509	8987	N/A	N/A	N/A	N/A	N/A
H1053	X507	1828	K1482	N/A	N/A	N/A	1482
<b>Rigid Base</b>							
H1050	X513	1820	K1485	N/A	115778	N/A	N/A
H1051	X523	1821	K1486	N/A	115779	N/A	N/A
H1052	X525	1822	N/A	N/A	N/A	N/A	N/A
H1053	X528	N/A	N/A	N/A	N/A	N/A	N/A

\*Not Inverter Duty

Your Authorized Distributor is:

Electric Motor Warehouse  
 G1460 E. Hemphill Road  
 Burton, Michigan 48529  
 1-810-744-1240  
[www.electricmotorwarehouse.com](http://www.electricmotorwarehouse.com)

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