

# Energy Efficient Motors

## for Refrigeration Applications



**AC Smith**  
Innovation has a name.



# Breakthrough Motor Design Offers Huge Energy Savings for the Refrigeration Market



## Features:

- Advanced ECM Design
- Rain Shield
- Cast Iron
- 13" Leads
- Lyall Plug
- UL approved E128044
- Exceeds 60% Efficiency
- Low Temperature Oil

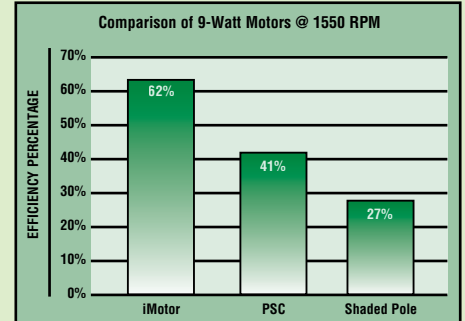
Stock No.	Watts	Volts	Amps	RPM	ROT	OSE
9207	6,9,12	115	.2/3	1550	CW	

## Annual KWH Savings For a Typical 9W Motor

Motor Output	Shaded Pole Watts In	iMotor Watts In	Annual KWH Saved
9 Watts	51.8	17.7	298.7

Direct Drop-in Replacement for Supermarket Case Evaporator Fans

## Energy Savings ECM Design



The iMotor refrigeration motor uses less wattage to achieve the same airflow as a shaded pole motor, so it produces less heat. Fewer BTU's in the system means less work and wear for the compressor for even greater savings.

# 3-in-1™

Stock No. 9721

Replaces 1/12, 1/15, 1/20 PSC and Low Efficient Shaded Pole Designs



## Features:

- Easy-to-Read Connection Diagram Attached to White Lead Wire
- Four Studs on Each End
- 40°C Ambient
- Class B Insulation
- UL and CSA Recognized
- Reversing plug for easy rotation change
- Low temp (-40°F) Lubrication system
- Extra mounting nuts for quick installation
- Ball Bearings

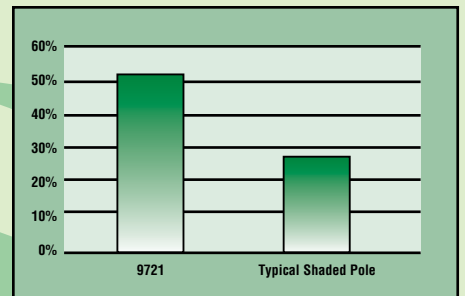
Heatcraft replacement for Bohn, Chandler, Climate Control and Larkin.

Stock No.	HP	Volts	Amps	RPM	Speeds	Frame	SF	HZ	Rotation	Wt.
9721	1/12	115/208-230	1.1/0.5	1550	1	3.3"	1.0	60/50	Rev.	4.75

Direct Drop-in Replacement for Walk-In Cooler Evaporator Fans

# ENERGY SAVINGS PSC DESIGN

50% More Efficient than Shaded Pole Motors



Less efficient shaded pole motors are often used in original equipment to cut costs. While they do allow some small savings in purchase price, the savings are quickly eaten up in electric bills at today's high power costs.

# JuggerNaut™

## Features:

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

When you need a motor that can handle the severe demands that inverters create, look no further than JuggerNaut™

- UL and CSA recognized Class F insulation for 70°C (158°F) max ambient conditions provides longer motor life.
- Inverter Duty Rated to be Corona Free with conductive bearing grease for reliable use with today's inverters.
- Voltage Change Module (VCM)™ – Our own quick connect voltage change device makes voltage changes quick and easy.
- Easy to remove 56H rigid base provides maximum mounting versatility and reduces inventory.
- JuggerNaut condenser fan motors are available in 1 HP, 1.5 HP and 2 HP at 1140 RPM and 1 HP at 850 RPM. All are three phase and 208-230/460 volt.



**Many retailers are now retrofitting inverters to their existing A/C and refrigeration equipment to save energy, only to discover that the OEM motors do not hold up to the strain that inverters place on them.**

*–JuggerNaut Inverter Duty motors are the solution!*

### 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.

# Green Choice™

## Eco - Friendly Electric Motors



Our new Green Choice™ brand of motors are designed to address today's environmental concerns. A Green Choice motor saves energy by reducing the amount of electricity needed, indirectly reducing the amount of carbon dioxide emitted into the air.

Carbon dioxide is thought to contribute to global warming, and coal-fired, power plants emit a majority of carbon dioxide. Green Choice motors can also reduce noise and contribute to a more environmentally friendly equipment system. A Green Choice motor can save money and makes it your most eco-friendly motor choice.

Your Authorized Distributor is:



Universal Electric Motors  
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Unit # 1  
Mississauga, Ontario, L5T 2E1



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