

PRODUCT INFORMATION PACKET



Model No: MD5411S

Catalog No: MD5411S

KRYO™ FORTRESS Refrigeration Motor, 1 Ph, 60 Hz, 90-240 V, 1 Speed, 3.58 Frame, TEAO



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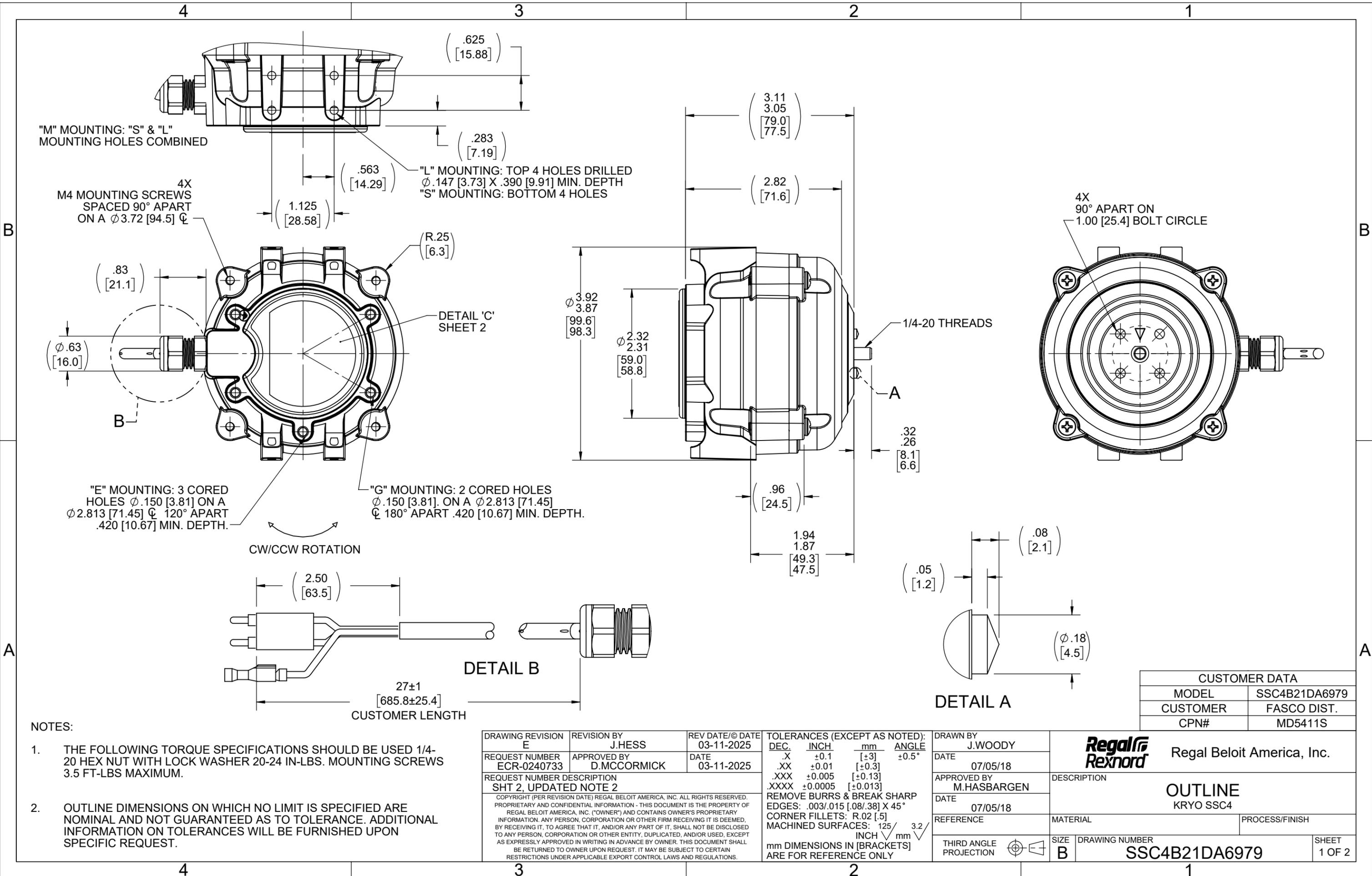
Nameplate Specifications

Phase	1	Output Watts	4-20 W
Voltage	90-240 V	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	55 °C
Frequency	60 Hz	Current	0.55-0.3 A
Duty	Continuous Air Over	Insulation Class	B
UL	Recognized	CSA	Yes
CE	No	Number of Speeds	1

Technical Specifications

Electrical Type	Electronically Commutated Motor	Starting Method	Across The Line
Poles	NA	Rotation	Clockwise/Counterclockwise
Mounting	Round	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Aluminum	Shaft Type	Threaded
Overall Length	3.6 in	Frame Length	3.22 in
Shaft Diameter	0.250 in	Shaft Extension	0.32 in
Connection Drawing	10015789-002-001	Outline Drawing	SSC4B21DA6979

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NOTES:

- THE FOLLOWING TORQUE SPECIFICATIONS SHOULD BE USED 1/4-20 HEX NUT WITH LOCK WASHER 20-24 IN-LBS. MOUNTING SCREWS 3.5 FT-LBS MAXIMUM.
- OUTLINE DIMENSIONS ON WHICH NO LIMIT IS SPECIFIED ARE NOMINAL AND NOT GUARANTEED AS TO TOLERANCE. ADDITIONAL INFORMATION ON TOLERANCES WILL BE FURNISHED UPON SPECIFIC REQUEST.

DRAWING REVISION E	REVISION BY J.HESS	REV DATE/© DATE 03-11-2025
REQUEST NUMBER ECR-0240733	APPROVED BY D.MCCORMICK	DATE 03-11-2025
REQUEST NUMBER DESCRIPTION SHT 2, UPDATED NOTE 2		
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TOLERANCES (EXCEPT AS NOTED):			
DEC.	INCH	mm	ANGLE
.X	± 0.1	[± 3]	$\pm 0.5^\circ$
.XX	± 0.01	[± 0.3]	
.XXX	± 0.005	[± 0.13]	
.XXXX	± 0.0005	[± 0.013]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.08/.38] X 45°			
CORNER FILLETS: R.02 [0.5]			
MACHINED SURFACES: 125/ $\sqrt{3.2}$ INCH \sqrt{mm}			
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY			

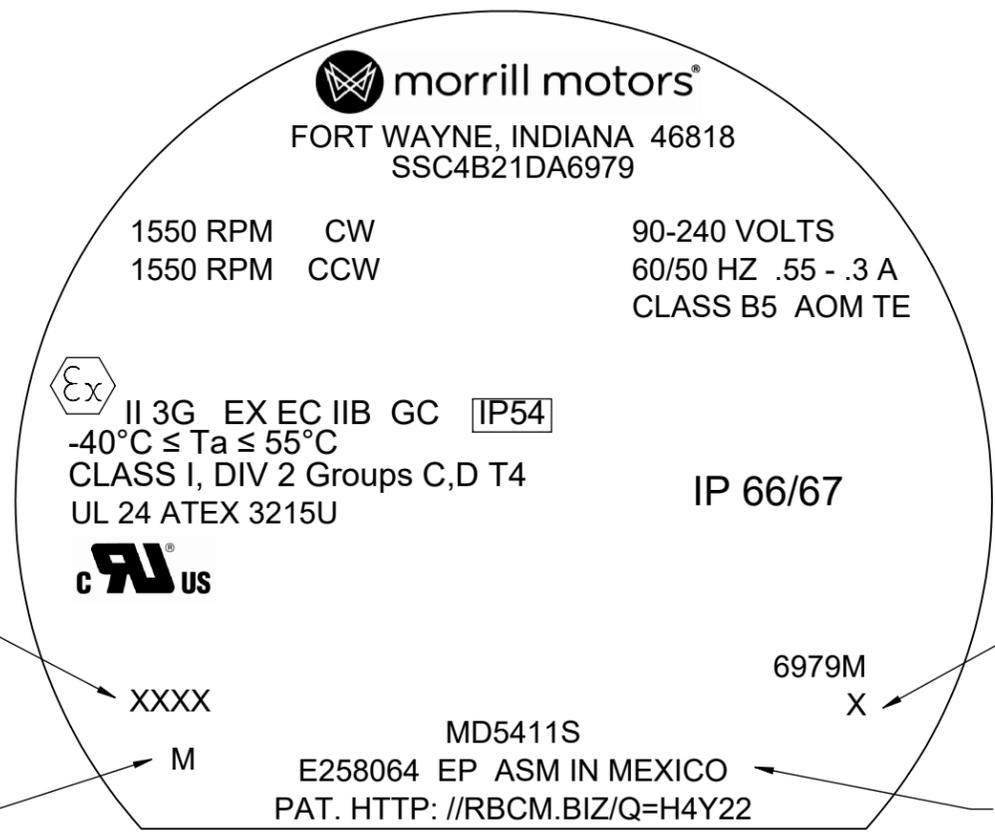
DRAWN BY J.WOODY	DATE 07/05/18
APPROVED BY M.HASBARGEN	DATE 07/05/18
REFERENCE	
THIRD ANGLE PROJECTION	

CUSTOMER DATA	
MODEL	SSC4B21DA6979
CUSTOMER	FASCO DIST.
CPN#	MD5411S
Regal Rexnord Regal Beloit America, Inc.	
OUTLINE KRYO SSC4	
SIZE B	DRAWING NUMBER SSC4B21DA6979
	SHEET 1 OF 2

FOR PIEDRAS NEGRAS PLANT USE ONLY

NOTES:

- 1. PROGRAM & TEST GROUP: 2934
 - 2. BACK CAP LABEL LAYOUT: 10050663-001-001 & 24A103328AB-P31
 - 3. PLACE 25711 LABEL ON PALLET BOX
 - 4. PACKING ASSEMBLY:
 - SINGLE PACK
 - ONE MOTOR PER CARTON P/N 27248
 - PACK ONE(1) HEX NUT AND FOUR(4) SCREWS IN BAG/CARTON
 - PACK ONE FORM G0059E IN EACH SINGLE MOTOR CARTON
 - SIX(6) SINGLE MOTOR CARTONS IN ONE SIX-PACK CARTON P/N 27001
 - TWELVE(12) SIX-PACK CARTONS PER LAYER, TWO LAYERS PER PALLET
 - 144 MOTORS PER PALLET
- STRETCH FILM, CORNER PROTECTOR AND STRAPPING



DETAIL 'C'

DRAWING REVISION E	REVISION BY J.HESS	REV DATE/© DATE 03-11-2025	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±0.5° .XX ±0.01 [±0.3] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]	DRAWN BY J.WOODY	Regal Rexnord Regal Beloit America, Inc.
REQUEST NUMBER ECR-0240733	APPROVED BY D.MCCORMICK	DATE 03-11-2025		DATE 07/05/18	
REQUEST NUMBER DESCRIPTION SHT 2, UPDATED NOTE 2			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125/ 3.2 INCH mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	APPROVED BY M.HASBARGEN	DESCRIPTION OUTLINE KRYO SSC4
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			THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SSC4B21DA6979
					PROCESS/FINISH
					SHEET 2 OF 2



KRYO™ FORTRESS Commercial Refrigeration Motor Installation Guide

Regal Beloit America, Inc.

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LaVergne, TN 37086

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thedealertools.com

FORM

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Revised

May 2018

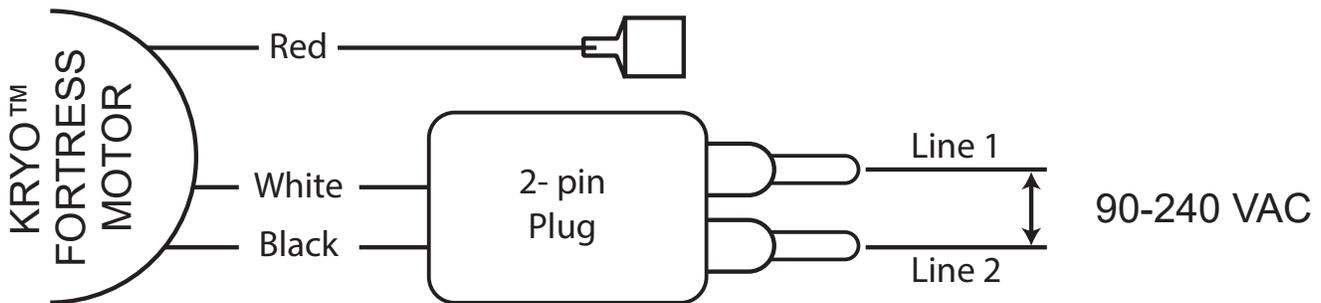
⚠ WARNING

- Read and follow all instructions carefully.
- Disconnect and lock out the main power from the unit being serviced before making any wiring connections to the KRYO™ FORTRESS motor. It is also a good practice to confirm that the power is disconnected with a voltmeter. Working on or near energized equipment can result in severe injury or death.
- Do not operate equipment without guards in place. Exposed equipment can result in severe injury or death.
- Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause personal injury, death, or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use the supplied or recommended parts when installing or servicing this product.

⚠ CAUTION

- Periodic inspections should be performed. Failure to perform proper maintenance can result in premature product failure and personal injury.
- Installation and service of this motor should be performed only by trained service technicians familiar with the KRYO™ FORTRESS motor.
- This motor should be installed in accordance with accepted practices and installation instructions, and in compliance with all national and local codes.

Electrical Connections (Stock # MD5411S)



CW Rotation - Connect 2-pin (White and Black wires) plug only

CCW Rotation - Add Red wire to L1 or L2

Notes

1. The 2-pin plug is not polarity sensitive
2. The motor will automatically operate from an input voltage from 90-240 VAC
3. Rotation is listed as viewed from lead end

REGAL®

Specifications

Stock # MD5411S

Voltage: 115-230 VAC (Automatic)
 Allowable voltage range 90-240 VAC
 Watt: Automatic (4-20 WATTS)
 Amperage: .20 - .55
 RPM: 1550
 Rotation: Dual
 Bearing: Ball
 Operating Rating: -40°C to 55°C (-40°F to 131°F)
 Storage Rating: -40°C to 85°C (-40°F to 185°F)
 Enclosure: TEAO
 Shaft: Standard 1/4-20 thread
 Mounting: Rear or side
 3 and 4 hole rear mounting
 (5 hole pattern)
 Orientation: All (VSU-VSD-Horizontal)
 Leads: 2-pin, flying lead with 1/4" insulated
 female quick connect
 IP Rating: 66 and 67
 UL and CSA recognized component

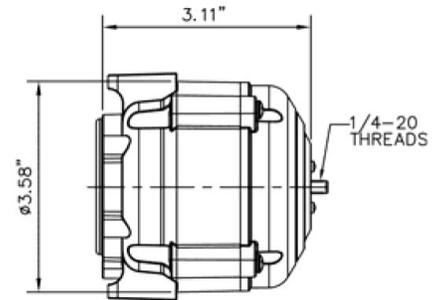
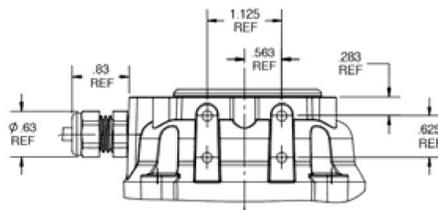
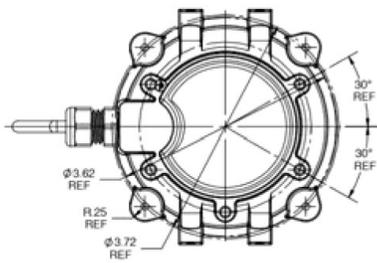
Application Note

Can be used to replace evaporator or condensing fan motors rated 4-20 W, 115 & 208-230 VAC

Operation Note

The motor will automatically operate at the watt output required based on the load (size of the fan blade)

The motor will automatically operate from a line voltage power supply of either 115 or 208-230 VAC



Terms & Conditions of Sale & Limited Warranty

Sales of the products described in this Installation Manual are subject to the "Regal Beloit Terms and Conditions of Sale" current at the time of sale. They are accessible on RegalBeloit.com – <http://www.regalbeloit.com> (click "Terms and Conditions of Sale" at bottom of page).

The limited warranty applicable to this product is set forth in Section 10, "Limited Warranty," of the Regal Terms and Conditions of Sale.

