

# PRODUCT INFORMATION PACKET

FASCO®

Model No: D2871  
Catalog No: D2871  
1 HP OEM Replacement Motor, 1100 RPM, 3 Speed, 460 Volts, 48 Frame, OAO  
HVAC/R OEM Replacement Motors



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REGAL



### Nameplate Specifications

Output HP	<b>1 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>460 V</b>
Current	<b>2.90 A</b>	Speed	<b>1100 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Duty	<b>Continuous Air Over</b>	Insulation Class	<b>B</b>
Frame	<b>48</b>	Enclosure	<b>Open Air Over</b>
Thermal Protection	<b>Thermally Protected</b>	Ambient Temperature	<b>40 °C</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>		

### Technical Specifications

Electrical Type	<b>Permanent Split Capacitor</b>	Poles	<b>6</b>
Rotation	<b>Reversible</b>	Mounting	<b>Round</b>
Motor Orientation	<b>Any</b>	Drive End Bearing	<b>Sleeve</b>
Opp Drive End Bearing	<b>Sleeve</b>	Frame Material	<b>Rolled Steel</b>
Shaft Type	<b>Double Flat</b>	Overall Length	<b>9.56 in</b>
Frame Length	<b>5.32 in</b>	Shaft Diameter	<b>0.500 in</b>
Shaft Extension	<b>3.50 in</b>	Thru-bolts Extension	<b>N/R in</b>

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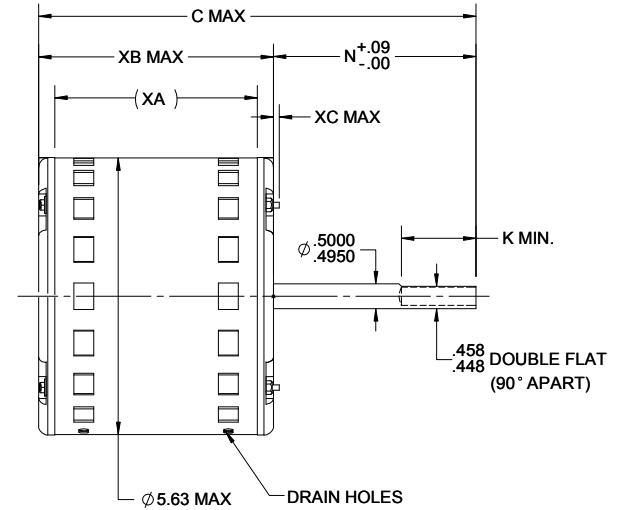
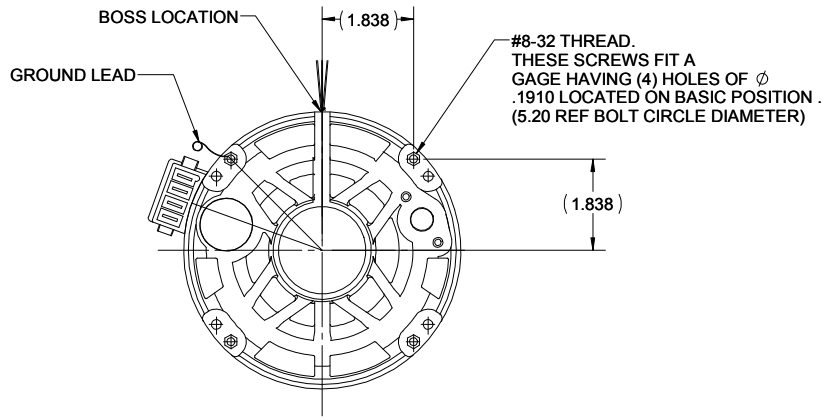
4

3

2

1

S.NO	CONNECTION	COLOR	EXIT TYPE	EXIT LOC (VIEWING LE)	GAGE	MATERIAL	WALL THK.	LENGTH	TERMINATION	NAMEPLATE DATA	
										MODEL	5KCP39SGWD65S
1	COMMON LEAD	PURPLE	SHELL NOTCH	12:00	18	THERMOPLASTIC	4/64	18.50	.25 SQC	CUST. P/N	D2871
2	CAPACITOR LEAD	BROWN	SHELL NOTCH	12:00	18	THERMOPLASTIC	4/64	18.50	.25 SQC	HP	1
3	HIGH SPEED LEAD	YELLOW	TERMINAL BLOCK	9:46	N/A	N/A	N/A	N/A	N/A	RPM	1100(3SPD)
4	MED. SPEED LEAD	BROWN	TERMINAL BLOCK	9:46	N/A	N/A	N/A	N/A	N/A	VOLTS	460
5	LOW SPEED LEAD	BLACK	TERMINAL BLOCK	9:46	N/A	N/A	N/A	N/A	N/A	HZ	60
6	ISOLATED LEAD	BLUE	SHELL NOTCH	12:00	18	THERMOPLASTIC	4/64	10.50	.25 SQC	SPEEDS	3
7	ISOLATED LEAD	RED	SHELL NOTCH	12:00	18	THERMOPLASTIC	4/64	10.50	.25 SQC	AMPS	2.90
8	REV LEAD	BROWN	SHELL NOTCH	12:00	18	THERMOPLASTIC	2/64	7.0	0.25 ISQC LO INS FORCE	CAP. REQ'D-D1	25.0 µfd/370 Volts
9	REV LEAD	ORANGE	SHELL NOTCH	12:00	18	THERMOPLASTIC	2/64	7.0	0.25 MALE ISQC	CAP. REQ'D-D2	N/R
10	REV LEAD	YELLOW	SHELL NOTCH	12:00	18	THERMOPLASTIC	2/64	7.0	0.25 MALE ISQC	CONN.DRW#	NP24X350358
11	REV LEAD	PURPLE	SHELL NOTCH	12:00	18	THERMOPLASTIC	2/64	7.0	0.25 ISQC LO INS FORCE	ROTATION	CCW/CW (VIEWED FROM LE)
12	GROUND LEAD	GRN/YEL	CLAMP SCREW	10:30	18	THERMOPLASTIC	2/64	12.50	#10 SERR. EYELET		



NOTE:

- 1) DIMENSIONS SHOWN ARE NOMINAL UNLESS OTHERWISE SPECIFIED.
- 2) NAME PLATE LABEL LOCATION :360° - NEAR LE - READ FROM LE.

<b>VENTILATION SYSTEM</b> SHELL VENTS      OPEN ENDSHIELD (OPP.LEAD END)      OPEN ENDSHIELD (LEAD END)      OPEN		DRAWING REVISION E	REVISION BY PR	DATE 3/14/2019	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [+2.5] ±7-30° .XX ±0.03 [+0.76] .XXX ±0.005 [+0.127] .XXXX ±0.0005 [+0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51] MACHINED SURFACES: 200 5.1 INCH mm mm SHOWN IN [BRACKETS]	DRAWN BY MVG	Regal Beloit America, Inc.		
		ECO ECO-0163503	APPROVED BY SENTHIL	DATE 3/14/2019		DATE 07/11/2014		DESCRIPTION <b>OUTLINE</b> (CUSTOMER NAME : FASCO IND)	
		ECO DESCRIPTION ISO LEAD CORRECTED FROM ORG TO RD <small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.                  PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. (OWNER) AND CONTAINS OWNERS PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>			APPROVED BY MVN	DATE 07/11/2014	MATERIAL	PROCESS/FINISH	
					REFERENCE	THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 5KCP39SGWD65S	SHEET 1 OF 1

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DRAWING REVISION	REVISION BY	DATE
A	J. Rupert	10-28-2016
ECO-0111801	APPROVED BY J. Rupert	DATE 10-28-2016
ECO DESCRIPTION NEW CONNECTION DRAWING		

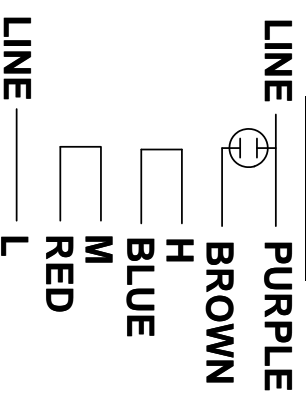
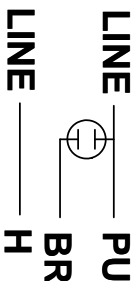
1.40 MAX.

**SAFTEY CAUTION: INSURE MOTOR IS PROPERLY GROUNDED,  
 TAPE INSULATE ALL UNUSED LEADS.**

HIGH SPD.

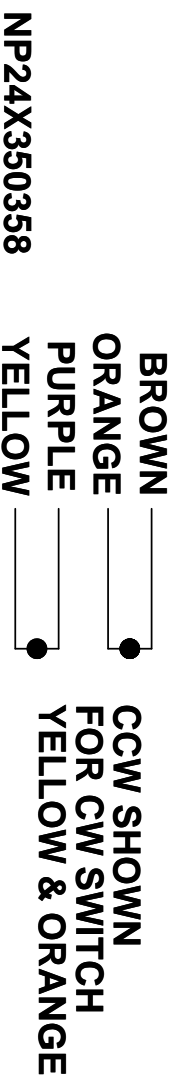
MED SPD.

LOW SPD.





1.09

**GREEN-GROUND TO CABINET FOR SAFETY**



**NOTES:**

1. TYPE FACE: COLORS OR NUMBERS DENOTING LEAD IDENTIFICATION AND N.P. NUMBER ARE TO BE 18 POINT NEWS GOTHIC CONDENSED. OTHER INFORMATION SHOULD BE 18 POINT IF SPACE ALLOWS, OTHERWISE USE 14 POINT.
2. MATERIALS: 4 MIL WHITE VINYL ADHESIVE STOCK RBC SPEC A50FG41-S1 BLACK INK RBC SPEC A50FM48
3. THE BOX LINES AND DIMENSIONS REPRESENT THE SIZE OF THE TAPE TO BE USED. DO NOT INCLUDE THESE IN STAMP FORMAT.

DRAWN BY J. Rupert		 Regal Beloit America, Inc.	
DATE 10-28-2016	APPROVED BY J. Rupert		
DATE 10-28-2016	PROCESS/FINISH	DESCRIPTION <b>CONN DIAGRAM-NAMEPLATE</b>	
THIRD ANGLE PROJECTION 	MATERIAL	SIZE A	DRAWING NUMBER NP24X350358
		SEE NOTE - 2	SHEET 1 OF 1