

PRODUCT INFORMATION PACKET



Model No: ORM1008

Catalog No: ORM1008

OEM Replacement Motor, 1/8 HP, 1 Ph, 60 Hz, 208-230 V, 825 RPM, 1 Speed, 48 Frame, TEAO



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Nameplate Specifications

Output HP	1/8 Hp	Output KW	0.10 kW
Frequency	60 Hz	Voltage	208-230 V
Current	0.7 A	Speed	825 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	8	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	9.88 in	Frame Length	3.56 in
Shaft Diameter	0.500 in	Shaft Extension	4.8 in
Outline Drawing	ORM1008-S01	Connection Drawing	614131-099

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GENERAL INFORMATION:

SHAFT RUNOUT: .001 [.03] T.I.R PER INCH LENGTH OF EXTENSION

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

ELECTRICAL DATA:

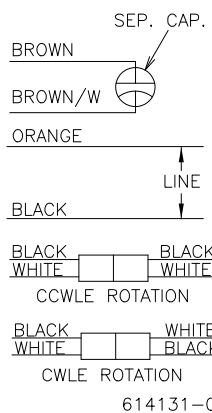
OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 304)

LEADS: NO. 18 AWG. .06 [1.5] THK. 105°C PVC INSUL.

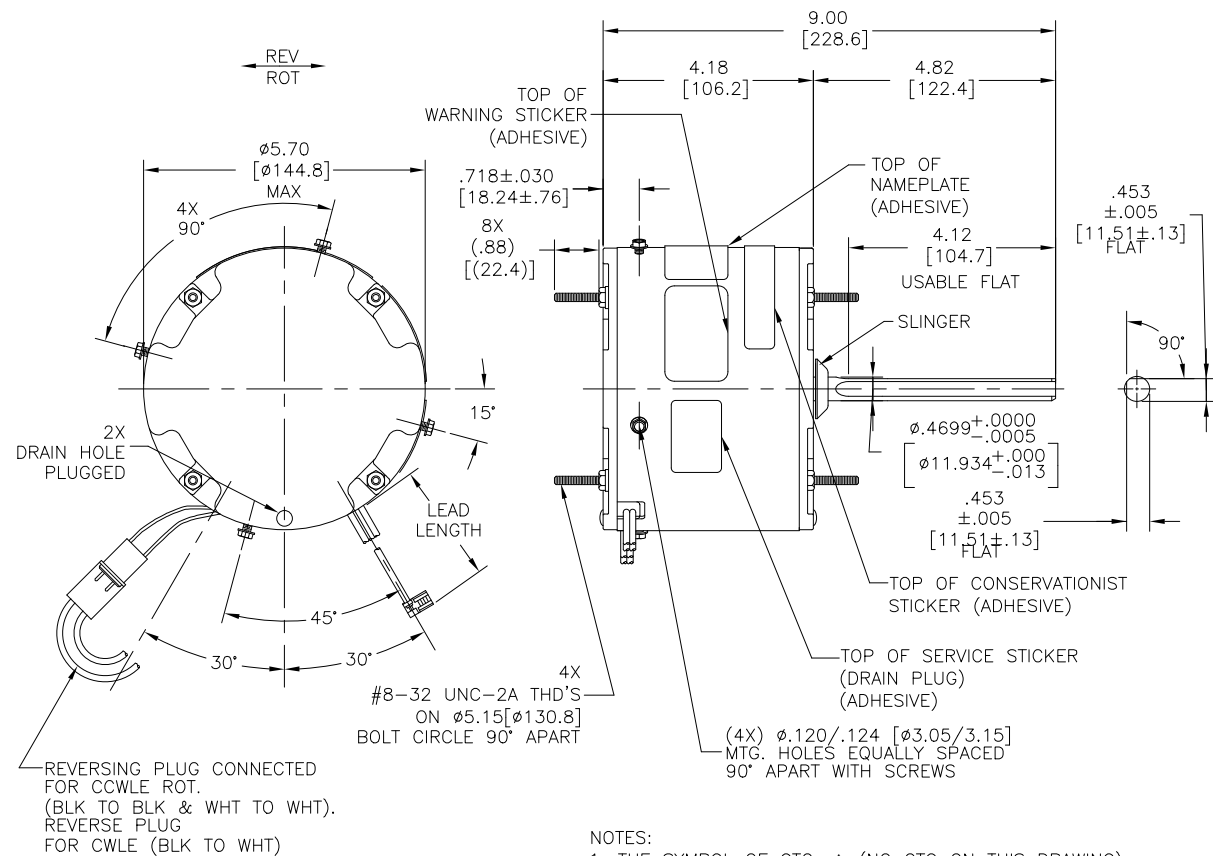
NAMEPLATE DATA:

MODEL NO.: F48B72A01
CUST. P/N: ORM1008
HP: 1/8
ROT.: REVERSIBLE
RPM: 825
TYPE: UF
FRAME: 48Y
VOLTS: 208-230
PH: 1
AMPS: 0.7(0.9 MAX)
HZ: 60
INS.: B*
AMB.: 50° C
DUTY: AIR OVER
CAP.: 5 MFD/370V
ENCL: ENCLOSED
UL LOGO
CSA LOGO
THERMALLY PROTECTED
TYPE C

EXTERNAL CONNECTION DIAGRAM



PERFORMANCE CURVE NO.	TORQUE @ 825 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C30274	15 OZ. FT.	89AC023B	E46412	PRGY2	LR43341	4211-01



REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

MAIN FRAME - OLE	ENCLOSED
END FRAME - OLE	ENCLOSED
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	ENCLOSED

CUSTOMER DISTRIBUTION

DRAWING REVISION	REVISION BY	DATE
H	J. RUPERT	08-30-2021
ECO	APPROVED BY	DATE
NMR-0210254	J. RUPERT	08-30-2021
ECO DESCRIPTION		
REVISED FOR UP ISSUE		

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ENCLOSURE

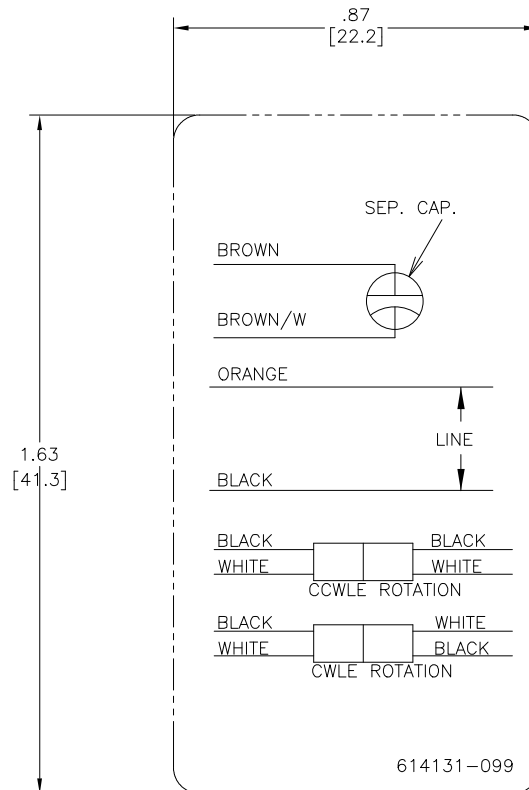
DRAWN BY: D.ZHANG	DATE: 05-19-2011	APPROVED BY: C.ZHOU	DATE: 05-19-2011	PROCESS/FINISH: -	THIRD ANGLE PROJECTION
REGAL-BELOIT America, Inc.					
DESCRIPTION: MODEL-RFHP-48FR OUTLINE					
SIZE: DWG NO: ORM1008					
SHEET 1					

D

C

E

A



NOTES:

1. FOR USE WITH 614129 OR 2513020-001 NAMEPLATE BLANKS;
2. _____ INDICATES DIMENSION LIMITS

DRAWING REVISION C		REVISION BY J. RUPERT	DATE 08-30-2021	TOLERANCES UNLESS OTHERWISE SPECIFIED			DRAWN BY D.Zhang	 Regal Beloit America, Inc.	
ECO		APPROVED BY J. RUPERT	DATE 08-30-2021	DEC. INCH	mm	ANGLE	DATE: 05-19-2011	DESCRIPTION CONN DIAGRAM-NAMEPLATE	
NMR-0210254				XX ±0.1	[±0.5]	±0.5°	APPROVED BY: C.Zhow		
ECO DESCRIPTION				.XXX ±0.005	[±0.127]		DATE: 05-19-2011	MATERIAL	PROCESS/FINISH
REVISED FOR UP ISSUE				.XXXX ±0.0005	[±0.0127]		REFERENCE 05-19-2011		
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				mm SHOWN IN BRACKETS					
							SIZE DWG NO C 614131-099		
							SHEET		