

PRODUCT INFORMATION PACKET



Model No: OTR1004

Catalog No: OTR1004

OEM Replacement Motor, 1/8 HP, 1 Ph, 60 Hz, 200-230 V, 1650 RPM, 1 Speed, 48 Frame, TEAO



Regal and Century are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

Phase	1	Output HP	1/8 Hp
Output KW	0.10 kW	Voltage	200-230 V
Speed	1650 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	0.7-0.9 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Counterclockwise Lead End
Mounting	Extended Studs	Motor Orientation	Vertical Shaft Down
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	5.61 in	Frame Length	3.00 in
Shaft Diameter	0.500 in	Shaft Extension	1.5 in
Outline Drawing	OTR1004-S01	Connection Drawing	614131-030

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:02/10/2025

GENERAL INFORMATION:

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

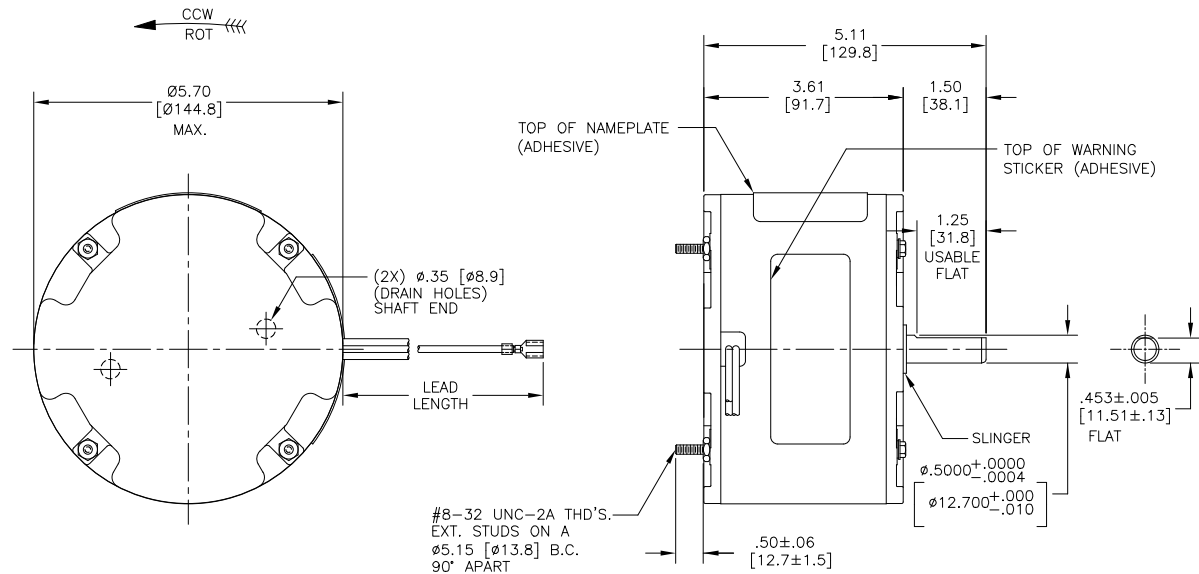
BEARINGS: BALL

MOUNTING POSITION: VERTICAL - SHAFT DOWN

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

LEADS: NO. 18 GA., .06 [1.5] THK. PVC 105° INSUL.



NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48V54A01 CUST. P/N: OTR1004 HP: 1/8 ROT: CCWLE RPM: 1650 TYPE: UF FRAME: 48Y VOLTS: 208-230 PH: 1 AMPS: 0.7-0.9 HZ: 60 INS: B AMB: 40 °C DUTY: AIR OVER CAP.: 4 MFD/370 V ENCL: ENCLOSED UL & CSA LOGOS THERMALLY PROTECTED	614131-030

PERFORMANCE CURVE NO.	TORQUE @ 1650 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C32385	8.04 OZ. FT.	0442580B	E46412	PRGY2 LR43341 4211-01

BROWN	40.0/42.0 [1016/1067]	.25 [6.4] FEMALE SPADE
PURPLE	40.0/42.0 [1016/1067]	.25 [6.4] FEMALE SPADE
BLACK	43.0/45.0 [1092/1143]	.25 [6.4] FEMALE SPADE
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

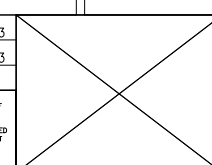
REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

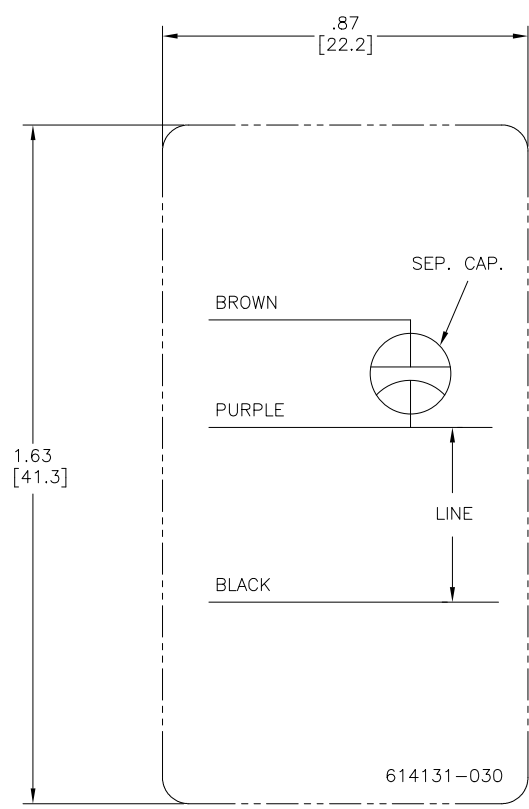
MAIN FRAME - OLE	ECLOSED
END FRAME - OLE	ECLOSED
MAIN FRAME - LE	ECLOSED
END FRAME - LE	ECLOSED

CUST.	DISTRIBUTION SERVICE
-------	----------------------

DRAWING REVISION	REVISION BY	DATE
C	J. RUPERT	03-03-2023
ECO	APPROVED BY	DATE
NMR-0220758	J. RUPERT	03-03-2023
ECO DESCRIPTION		
CHANGED TO BALL BEARING		
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 OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATING AND/OR USING, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATING 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.		



ENCLOSURE	
DRAWN BY:	REGAL-BELOIT AMERICA, Inc.
DATE:	07-25-2018
APPROVED BY:	SARA
DATE:	07-15-2018
REFERENCE	DESCRIPTION
THIRD ANGLE PROJECTION	MODEL-RFHP-48FR OUTLINE
SIZE	DWG NO
C	OTR1004
SHEET 1	



NOTES:

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

DRAWING REVISION C		REVISION BY J. RUPERT	DATE 03-03-2023	TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN BY: YL	
ECO NMR-0220758		DATE 03-03-2023		DEC.	INCH	mm	ANGLE
ECO DESCRIPTION REVISED FOR UP ISSUE				.X	±0.1	(±2.5)	±0.5°
				.XX	±0.02	(±0.51)	
				.XXX	±0.005	(±0.127)	
				.XXXX	±0.0005	(±0.0127)	
				REMOVE BURRS & BREAK SHARP EDGES .003/.015 (.076/.381) X 45°			
				CORNER FILLETS R.02 (.51)			
				MACHINED SURFACES .125/			
				mm SHOWN IN [BRACKETS]			
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 OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED AND/OR USED, EXCEPT 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.				THIRD ANGLE PROJECTION		SIZE DWG NO C 614131-030	
				SHEET 1		SHEET 1	