

PRODUCT INFORMATION PACKET



Model No: 449THTS18882
Catalog No: 449THTS18882
125,1200,TENV,449TR,3/60/460

Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



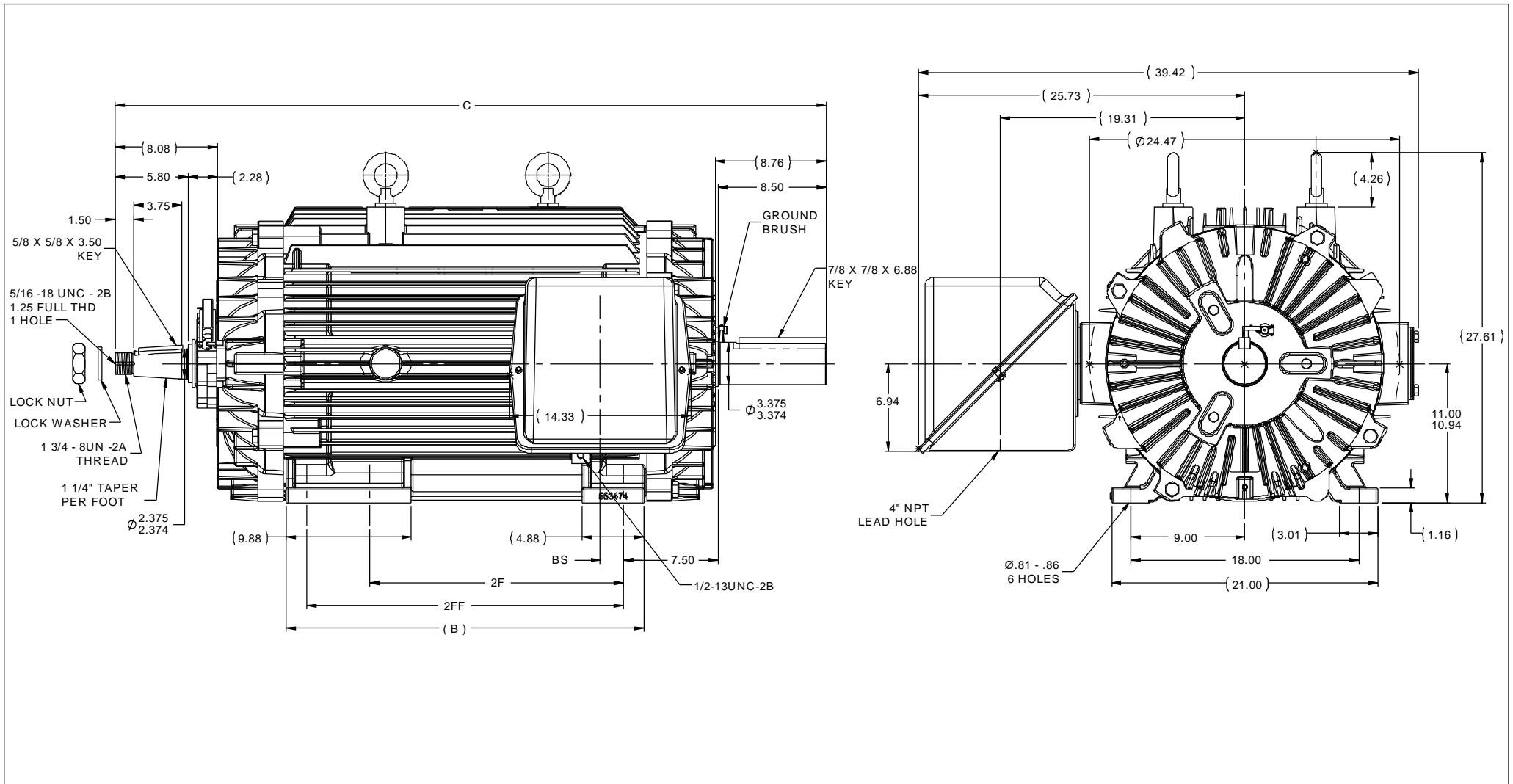
Nameplate Specifications

Phase	3	Output HP	125 Hp
Output KW	93.0 kW	Voltage	460 V
Speed	1192 rpm	Service Factor	1
Frame	447/449TR	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Efficiency	95.8 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	154.0 A	Power Factor	79
Duty	120 MINUTE	Insulation Class	H
Design Code	INV	KVA Code	K
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6318
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	6	Rotation	Reversible
Resistance Main	.019 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Special Extension Both Sides	Assembly/Box Mounting	F1/F2 CAPABLE
Outline Drawing	B-SS555785-2875	Connection Drawing	A-EE7300AK

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:08/24/2023



- NOTES:
1. C'BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

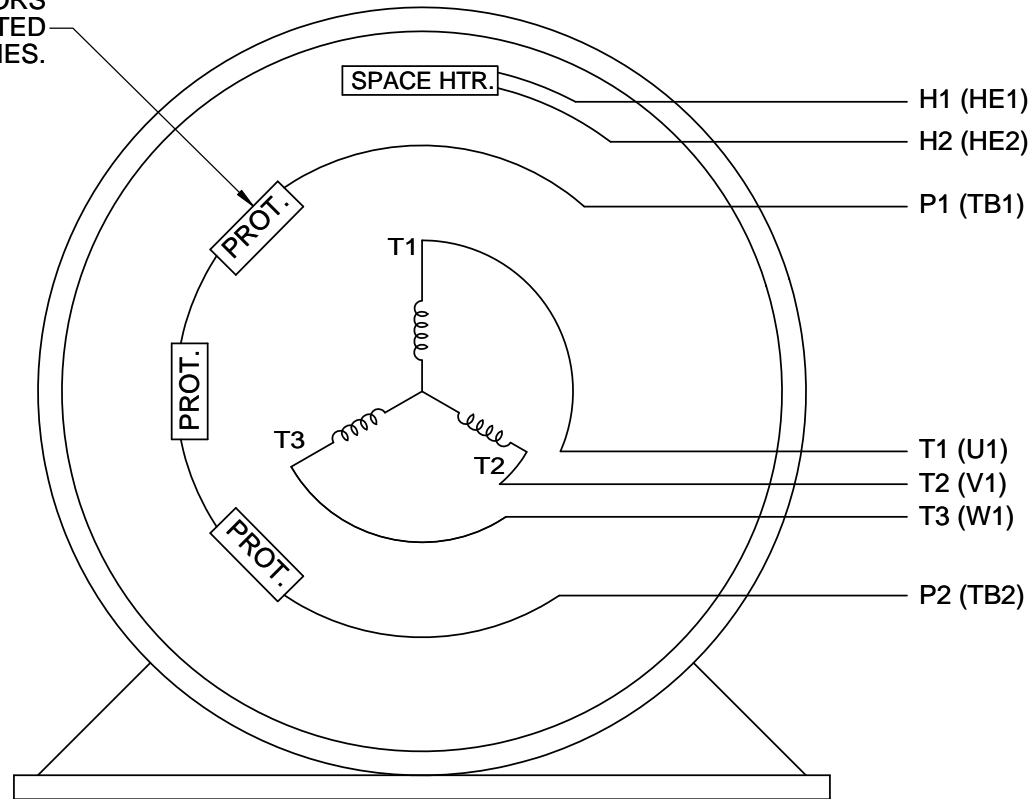
DASH	FRAME	B	C	2F	2FF	BS
2875	447TZ	28.25	56.15	20.00	- - -	1.84
2875	449TZ	28.25	56.15	- - -	25.00	1.84

				TOLERANCES UNLESS SPECIFIED			DRAWN CFD 06-05-2013	
				DEC	INCHES		CHK MH 09-11-2013	
				X	±.1	TITLE OUTLINE - TENV - GROUND BRUSH 447/449TZ FR. - 56 ENCODER - ODE TAPER EXT.	APPR DJK 09-11-2013	
				XX	±.03		SCALE 5:36	
				XXX	±.005		REF	
				XXXX	±.0005		FMF MU113627	
				NO	ANG ±7°30"	FINISH	PAGE OF	
				REVISION		BY & DATE	CHK RFP	REV
				THIRD ANGLE PROJECTION			PREV	
						NETWORK FILE NAME SS555785	SIZE B	DRAWING NO SS555785

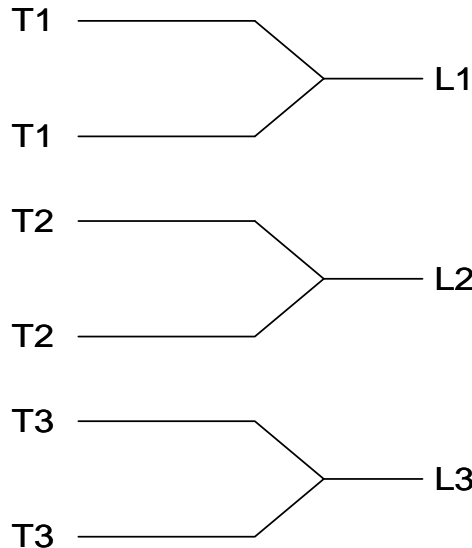
P1 AND P2 PROTECTORS TO VOLTAGE CONTROL

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

PROTECTORS
CONNECTED
IN SERIES.



IF MOTOR OR GENERATOR HAS 6 LEADS



A-9806 DECAL

DRAWING REVISION J	REVISION BY J. OTTO	DATE 04-13-2017	TOLERANCES UNLESS OTHERWISE SPECIFIED: <div><div>DEC.</div><div>INCH</div><div>mm</div><div>ANGLE</div></div> <div><div>.X</div><div>±0.1</div><div>[±2.5]</div><div>±7° 30"</div></div> <div><div>.XX</div><div>±0.02</div><div>[±0.51]</div></div> <div><div>XXX</div><div>±0.005</div><div>[±0.127]</div></div> <div><div>.XXXX</div><div>±0.0005</div><div>[±0.0127]</div></div> <div>REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] CORNER FILLETS: .02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]</div>		DRAWN BY MJD	<div><div>REGAL™</div><div>Regal Beloit America, Inc.</div></div>				
ECO ECO-0121568	APPROVED BY T. VUE	DATE 04-18-2017			DATE 06-24-2014	DESCRIPTION CONN DIAGRAM-INTERNAL SINGLE VOLT-3Ø MOTOR				
ECO DESCRIPTION ADDED IEC NOTATIONS			APPROVED BY TB		MATERIAL		PROCESS/FINISH			
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 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.			DATE 07-06-1998							
			REFERENCE		SIZE A		DRAWING NUMBER EE7300AK		SHEET 1 OF 1	
			THIRD ANGLE PROJECTION		