

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 445TSHFN9005
Catalog No: W616
200,3600,TEFC,445TS,3/60/460
Severe Duty



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REGAL[®]



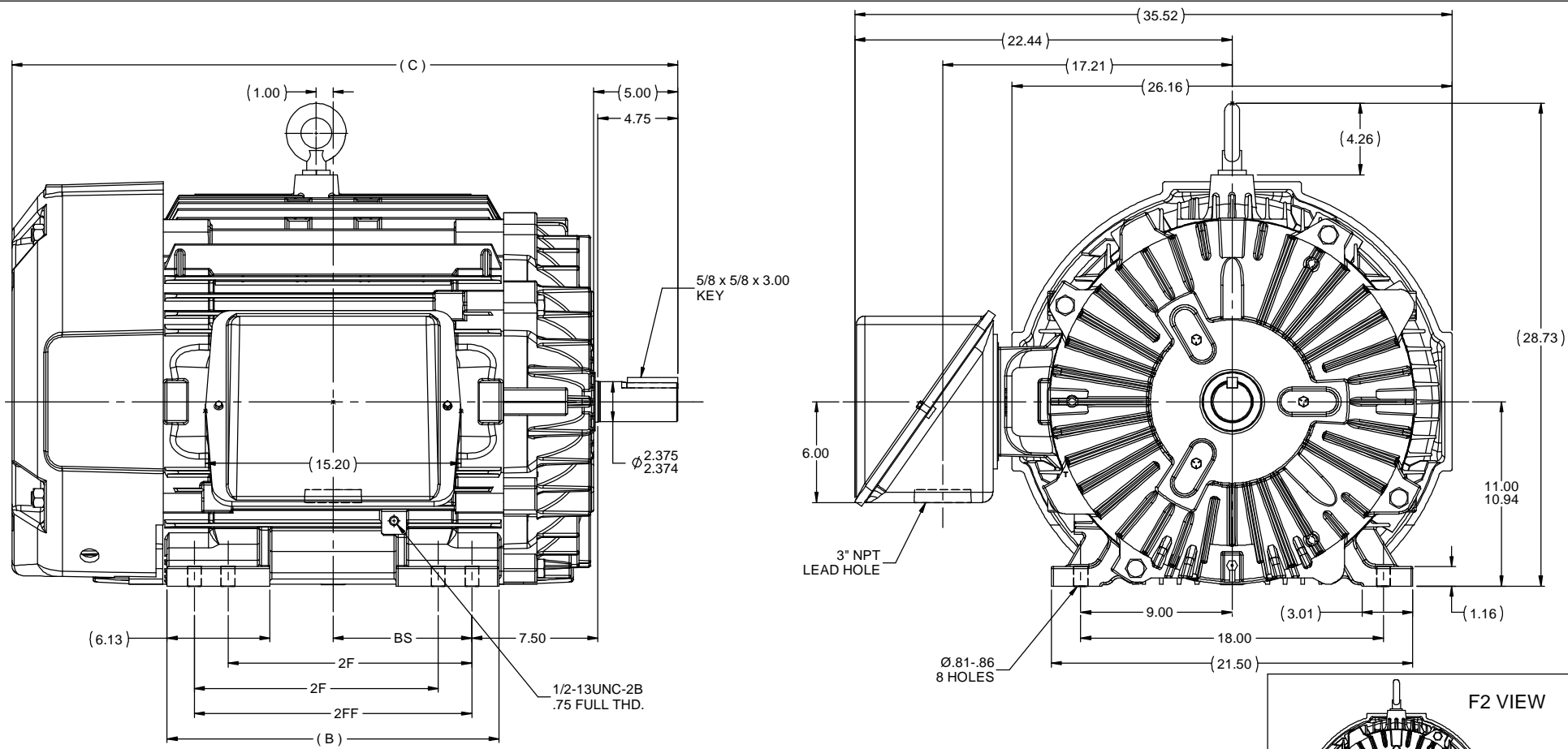
Nameplate Specifications

Output HP	200 Hp	Output KW	149.0 kW
Frequency	60 Hz	Voltage	460 V
Current	224.0 A	Speed	3575 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	445TS
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6313
Opp Drive End Bearing Size	6313	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

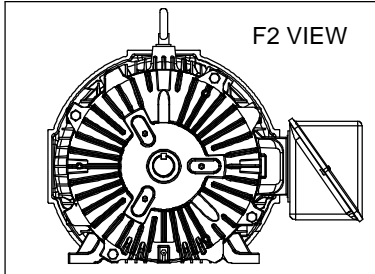
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	39.6 in	Frame Length	20.25 in
Shaft Diameter	2.375 in	Shaft Extension	5 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS516995-2025	Connection Diagram	A-EE7300U

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- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.



TOLERANCES UNLESS SPECIFIED		DEC		INCHES	
4	UPDATED FRAME TO CURRENT STD'S. ISAAC 09-5049	JJB	7/16/2012	EH	x ±.1
3	CHG. TO SHORT FAN GUARD PER CN 39335	RWR	2/19/2007	ML	xx ±.03
2	ADDED F2 VIEW TO MOTOR	ERH	2/24/2003	ML	xxx ±.005
1	NEW DRAWING	CAE	2/18/1999	xxxx	±.0005
				ANG	±1/2°

DRAWN CAE 02-08-1999		CHECKED ML 02-15-1999		APPROVED JHL 02-18-1999	
TITLE OUTLINE - TEFC		444/445TS FR. - OVER SIZE C'BOX			
SCALE 1:6		REF			
PAGE		OF			

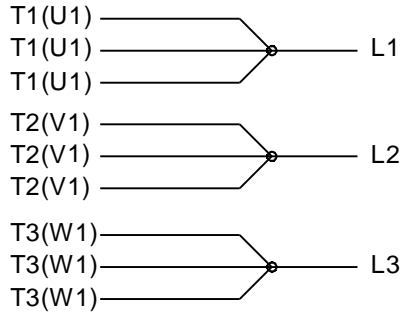
DASH	FRAME	B	C	2F	2FF	BS
2025	444/445TS	19.75	39.60	14.50	16.50	8.25

NO	REVISION	BY & DATE	CHK	ANG	±1/2°	FINISH
	THIRD ANGLE PROJECTION					

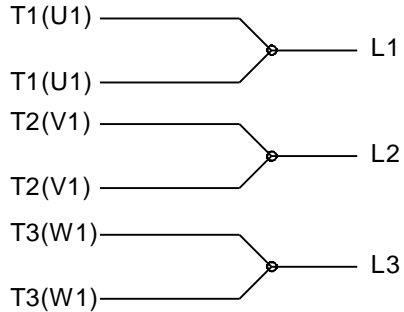
RFP	02-18-1999	PREV	NETWORK FILE NAME	SS516995
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SIZE	DRAWING NO	REV
B	SS516995	4

IF MOTOR HAS 9 LEADS

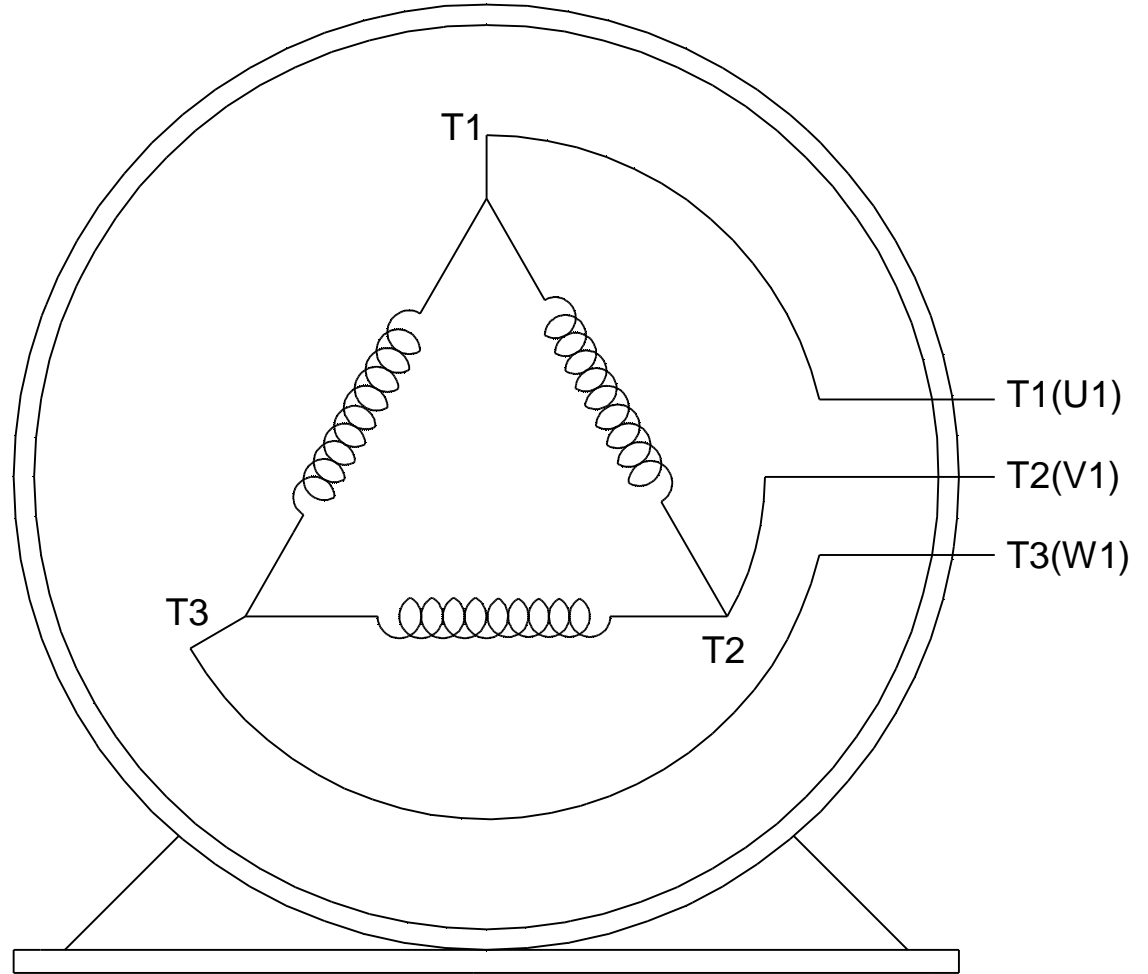


IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS



VIEW OF TERMINAL END

DRAWING REVISION L	REVISION BY AJW	DATE 05-04-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN BY DRS	Regal Beloit America, Inc.																					
ECO ECO-0077067	APPROVED BY EWH	DATE 05-05-2015	<table style="font-size: small; border-collapse: collapse;"> <tr> <td><u>DEC.</u></td> <td><u>INCH</u></td> <td><u>mm</u></td> <td><u>ANGLE</u></td> </tr> <tr> <td>.X</td> <td>±0.1</td> <td>[±2.5]</td> <td>±7' 30"</td> </tr> <tr> <td>.XX</td> <td>±0.02</td> <td>[±0.51]</td> <td></td> </tr> <tr> <td>.XXX</td> <td>±0.005</td> <td>[±0.127]</td> <td></td> </tr> <tr> <td>.XXXX</td> <td>±0.0005</td> <td>[±0.0127]</td> <td></td> </tr> </table>	<u>DEC.</u>			<u>INCH</u>	<u>mm</u>	<u>ANGLE</u>	.X	±0.1	[±2.5]	±7' 30"	.XX	±0.02	[±0.51]		.XXX	±0.005	[±0.127]		.XXXX	±0.0005	[±0.0127]		DATE 09-27-1996
<u>DEC.</u>	<u>INCH</u>	<u>mm</u>	<u>ANGLE</u>																							
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ECO DESCRIPTION UPDATED TO SOLIDWORKS <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 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.</small>			APPROVED BY GK	DATE 09-30-1996	MATERIAL	PROCESS/FINISH																				
			REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 $\sqrt{\text{INCH}}$ 5.1 $\sqrt{\text{mm}}$ mm SHOWN IN [BRACKETS]			REFERENCE	THIRD ANGLE PROJECTION	SIZE A	DRAWING NUMBER EE7300U	SHEET 1 OF 1																

