

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 445THFN9102
Catalog No: W609
125,900,TEFC,445T,3/60/460
Severe Duty



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.
©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E

REGAL[®]



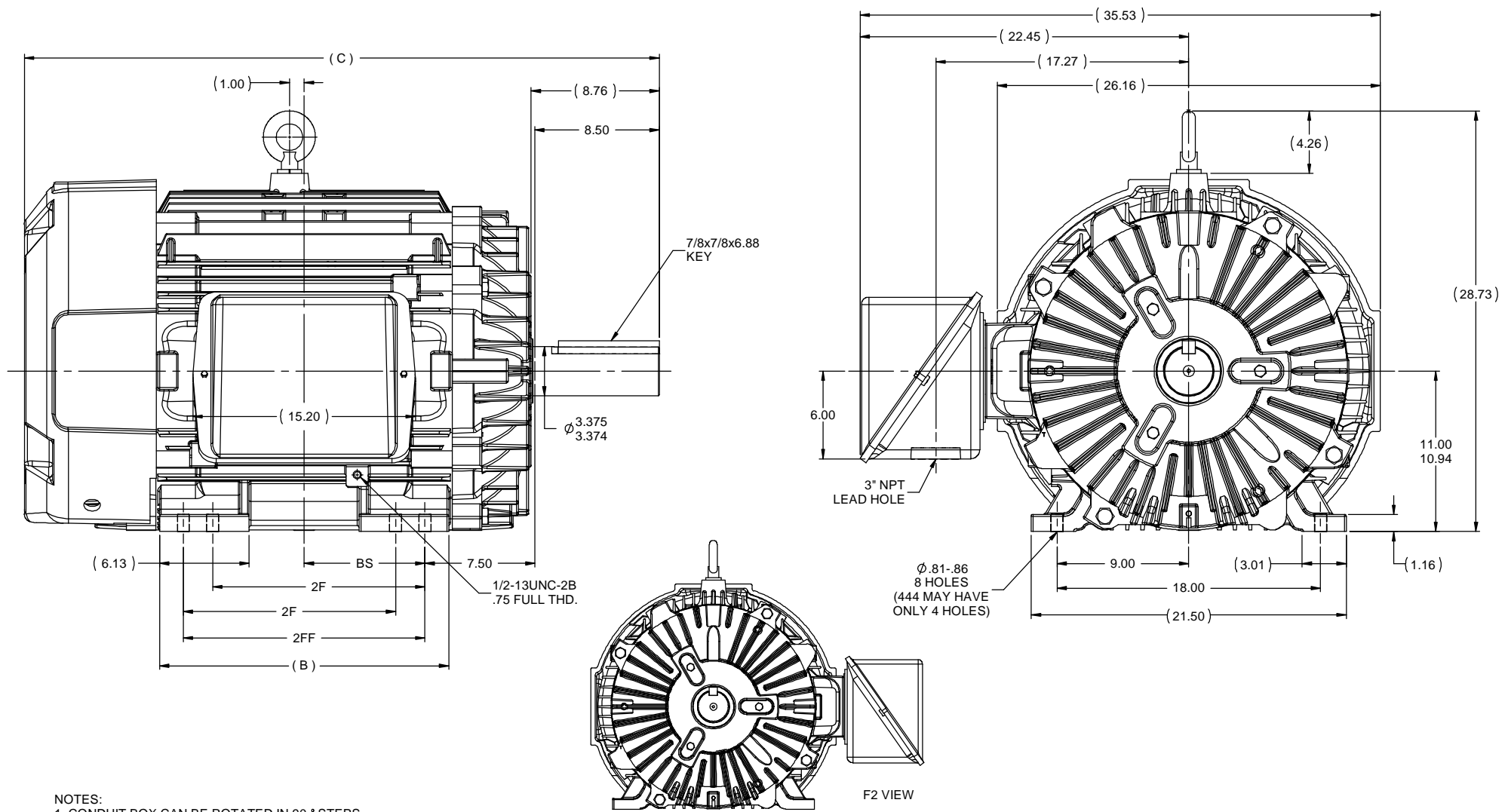
Nameplate Specifications

Output HP	125 Hp	Output KW	93.0 kW
Frequency	60 Hz	Voltage	460 V
Current	172.0 A	Speed	890 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	445T
Enclosure	Totally Enclosed Fan Cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6318
Opp Drive End Bearing Size	6316	UL	Recognized
CSA	Y	CE	Y
IP Code	56		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	8	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	43.35 in	Frame Length	20.25 in
Shaft Diameter	3.375 in	Shaft Extension	8.76 in
Assembly/Box Mounting	F1/F2 Capable		
Outline Drawing	B-SS517026-2025	Connection Diagram	A-EE7300

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 07/02/2018



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. NAMPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	BS	2F	2FF		NO	REVISION	BY & DATE	CHK	LANG	±7'30"	FINISH	PREV	SIZE	DRAWING NO	REV
1825	444T	17.75	41.35	7.25	14.50	---		8	UPDATED FRAME TO CURRENT STD'S. ISAAC 09-5049	JJB 01-17-2012	EH	DEC	±.02			B	SS517026	9
2025	444/445T	19.75	43.35	8.25	14.50	16.50		7	ADDED F2 VIEW	MSG 04-21-2010	MSG	X	±.1					
								6	REVISED FRAME AND DASH TABLE ISAAC09-5049	TJW 04-01-2010	EH	XX	±.02					
								5	UPDATED DRAWING	RJW 04-18-2007	ML	XXX	±.005					
								4	CHG TO SHORT FAN GUARD DESIGN PER CN39335	RWR 02-17-2007	ML	XXXX	±.0005					
										TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN DRS 2/24/1999				
										INCHES				CHK ML 2/25/1999				
														APPR JL 2/25/1999				
														SCALE 5:32				
														REF				
														FMF				
														PAGE OF				
										THIRD ANGLE PROJECTION				DRAWING NO				
														SS517026				
														REV				

**THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'**

**TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.**

TERMINAL BLOCK WHEN SPECIFIED



VIEW OF TERMINAL END

**IF MOTOR HAS
6 LEADS**



A-9806 DECAL

**OPTIONAL CORD
CONNECTION**

- L1 _____ WHITE
- L2 _____ RED
- L3 _____ BLACK

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
<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>		



DRAWN BY DA	Regal Beloit America, Inc.
DATE 03-26-1993	
APPROVED BY TB	DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR
DATE 03-26-1993	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE A
	DRAWING NUMBER EE7300
	SHEET 1 OF 1

