

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 286TTFPA4028

Catalog No: U726

Other Purpose Motor, 30 & 25 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1800 & 1500 RPM,  
286TC Frame, TEFC

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**RegalRexnord**

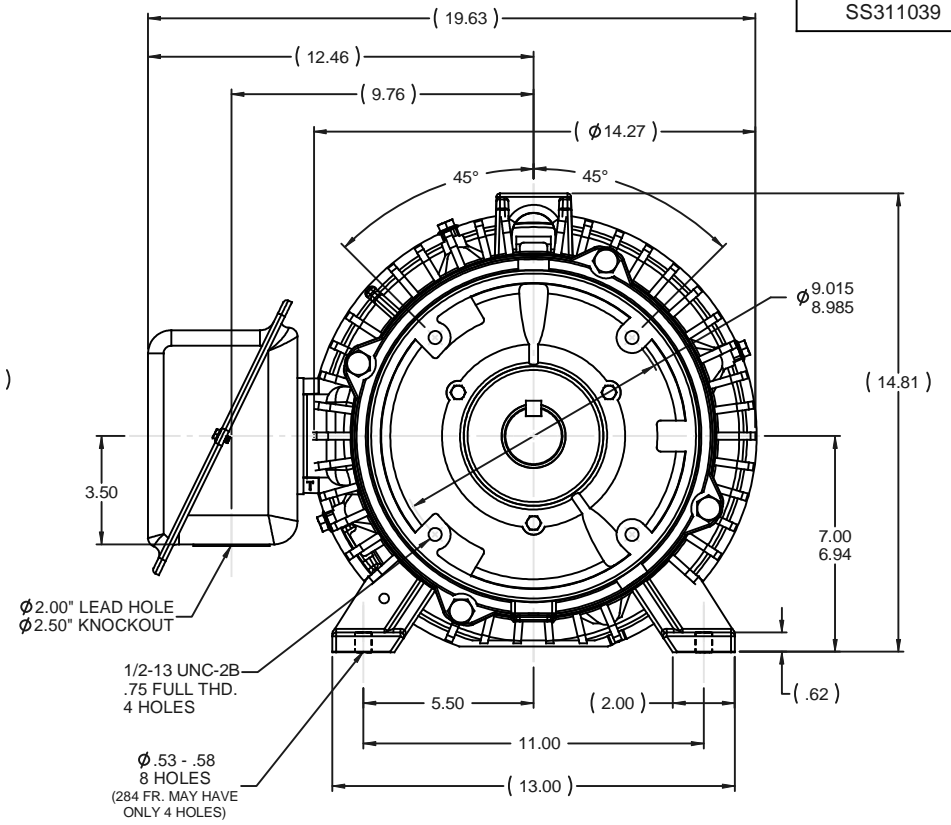
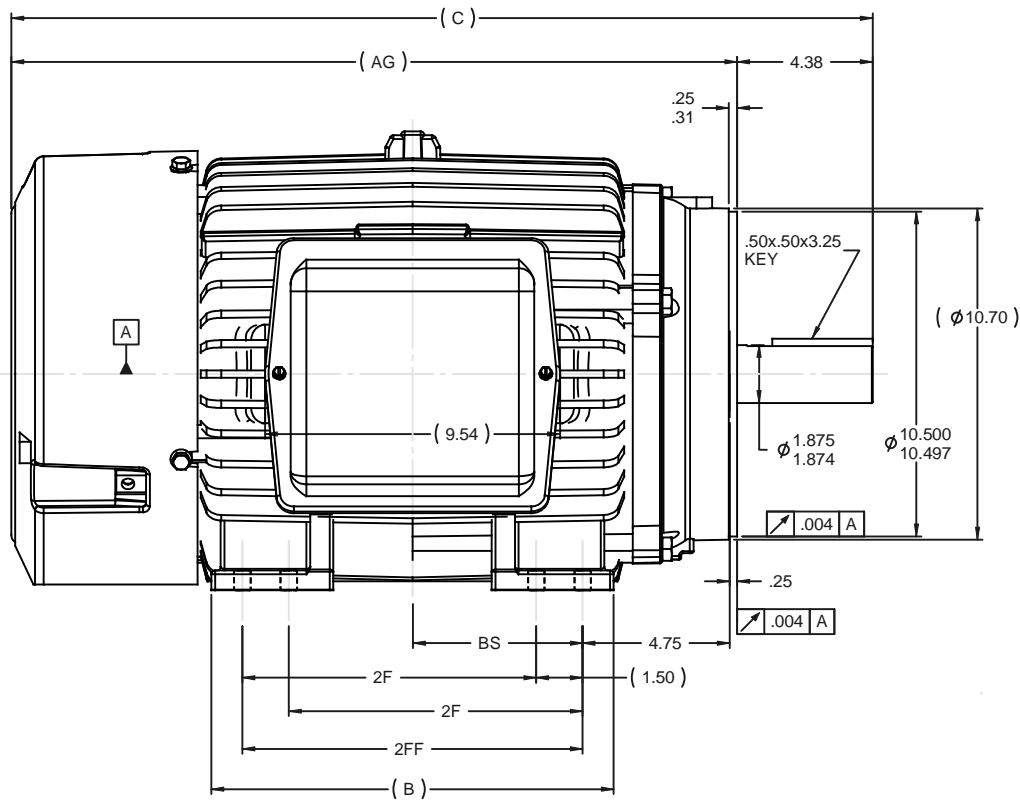


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>30 &amp; 25 Hp</b>
Output KW	<b>22.4 &amp; 18.7 kW</b>	Voltage	<b>208-230/460 &amp; 190/380 V</b>
Speed	<b>1768 &amp; 1465 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>286TC</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>92.4 &amp; 91.7 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>81-74/37 &amp; 76/38 A</b>	Power Factor	<b>82</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Drive End Bearing Size	<b>6311</b>	Opp Drive End Bearing Size	<b>6210</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>43</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.285 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>T</b>	Overall Length	<b>27.84 in</b>
Frame Length	<b>14.25 in</b>	Shaft Diameter	<b>1.875 in</b>
Shaft Extension	<b>3.25 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Connection Drawing	<b>A-EE7308</b>	Outline Drawing	<b>B-SS311039-1425</b>



- 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- NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	B	C	AG	2F	2FF	BS
1275	284TC	11.50	26.34	21.96	9.50		4.75
1425	286TC	13.00	27.84	23.46	9.50	11.00	5.50

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN DRS 07-06-2000	
NO	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	SS200048
5	REVISED MOUNTING HOLE QUANTITY CN 40694	DRS 10-25-2008	ML	DEC	INCHES		CHK ML 07-10-2000
4	REDRAWN IN AUTOCAD	TAT 06-28-2004	ML	X	±.1		APPR SW 07-10-2000
3	CORRECTED C'BOX HOLE NOTE CN 29200-1454	HLB 02-16-2007		XX	±.03	TITLE OUTLINE - TEFC - TFPA	SCALE 1:4
2	REMOVED DUAL DRILLING FROM FEET CN 29200-991	NJS 10-26-2000		XXX	±.005	280TC FR. - C'FACE - 11.00 LAM	REF
1	NEW DRAWING	DRS 07-10-2000		XXX	±.0005	MATL	FMF
					±7'30"		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED. THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT		RFP			CAD FILE SS311039	SIZE B	DRAWING NO SS311039
		DIST LB					REV 5

EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		FINISH	DRAWN RM 11/20/1990				
					DEC.	INCHES						
5	CHG TO REGAL LOGO	SL 09/10/2015	AB					CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1			APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		TITLE CONNECTION DIAGRAM	SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005		3Ø - DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		MAT'L.	FMF				
					±7'30"			PREV				
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							DIST WP					

