

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 286TTGP1026

Catalog No: U960

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



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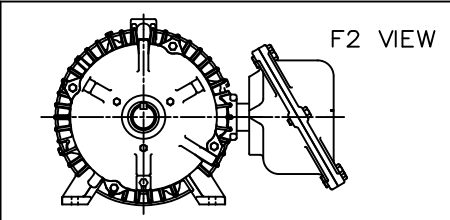
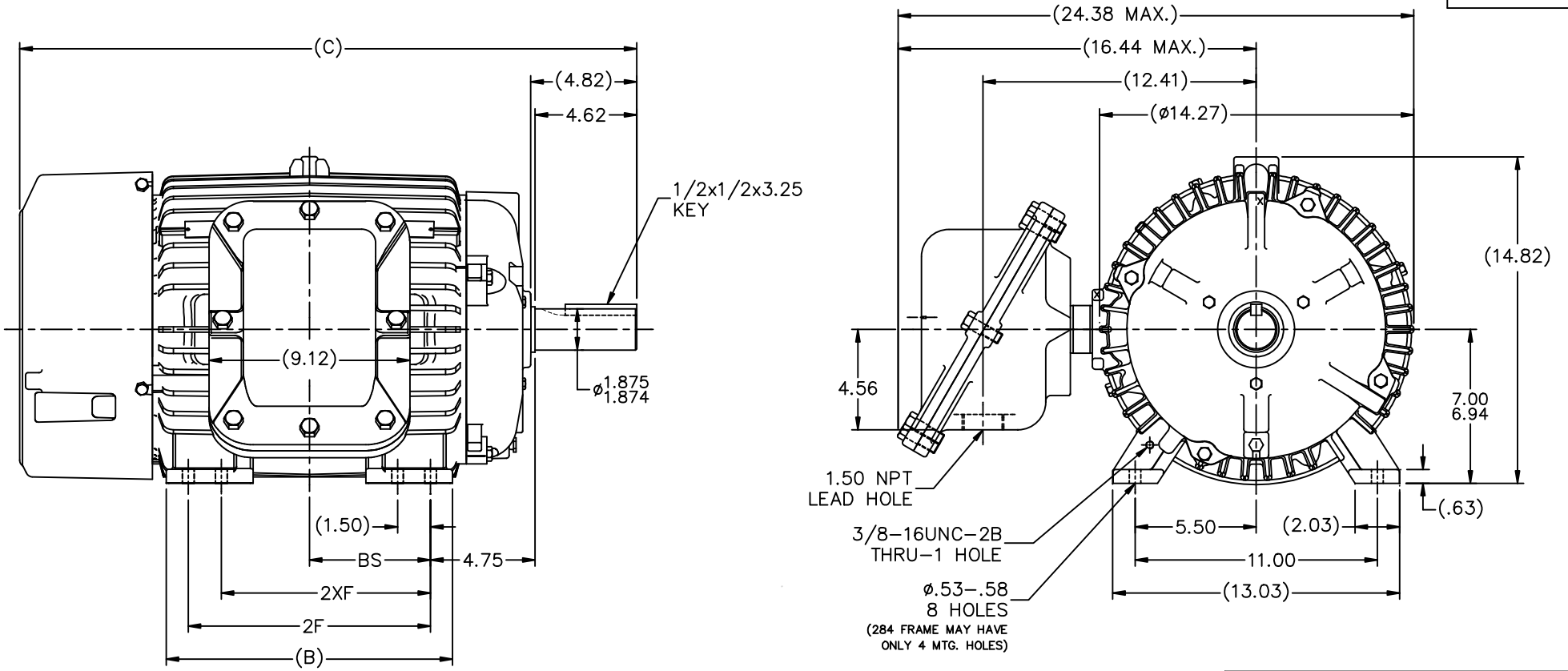
**RegalRexnord**

### 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>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>286T</b>	Enclosure	<b>Explosion Proof 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>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>Listed</b>	CSA	<b>Y</b>
CE	<b>N</b>	IP Code	<b>54</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>27.76 in</b>
Frame Length	<b>14.25 in</b>	Shaft Diameter	<b>1.875 in</b>
Shaft Extension	<b>4.82 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Connection Drawing	<b>A-EE7308</b>	Outline Drawing	<b>B-SS311005-1425</b>



- NOTES:  
 1. BOX CAN ONLY BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.  
 2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DASH	FRAME	C	B	2F	2XF	BS
1275	284T	26.26	11.50	9.50	--	4.75
1425	286T	27.76	13.00	11.00	9.50	5.50

5	SHOW DASH-1425 8 MTG. HOLE FRAME PER CN39442	RWR 10-12-2006	ML	TOLERANCES UNLESS SPECIFIED	INCHES		DRAWN DA 03-17-1999
4	ADDED F2 VIEW MU38528	HLB 09-12-2001	DEC.	.X	±.1		CHK ML 04-15-1999
3	UPDATED C'BOX GEOMETRY PER CAST CHANGE CN 29010	DRS 01-31-2000	.XX	±.03	TITLE OUTLINE - AUX C'BOX	APPD SW 04-15-1999	SCALE 1=4.5
2	REV'D PER UPDATED CONDUIT BOX CN 27400-239	DA 07-12-1999	.XXX	±.005	280T FR. - BB - STD - 11.00 LAM.	REF	
1	NEW DRAWING DES/DEV	DA 04-15-1999	.XXXX	±.0005	MAT'L	FMF	
1	NEW DRAWING - DEV. ENG.	SMC 04-23-1999	CHK ANG	±7'30"	FINISH	PREV	
NO. REVISION		BY & DATE	RFP	CAD FILE ss311005		SIZE	DRAWING NO. PAGE OF REV.
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		DIST LB	B	SS311005		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				
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 ee7308	SIZE A	DRAWING NO. EE7308	PAGE OF 5	REV. 5
							DIST WP					



Regal Beloit America, Inc.

Data Sheet

Date: 3/18/2024  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: RAMYA



286TTGP1026

Submittal

Data @ 460 V

Motor Load Data

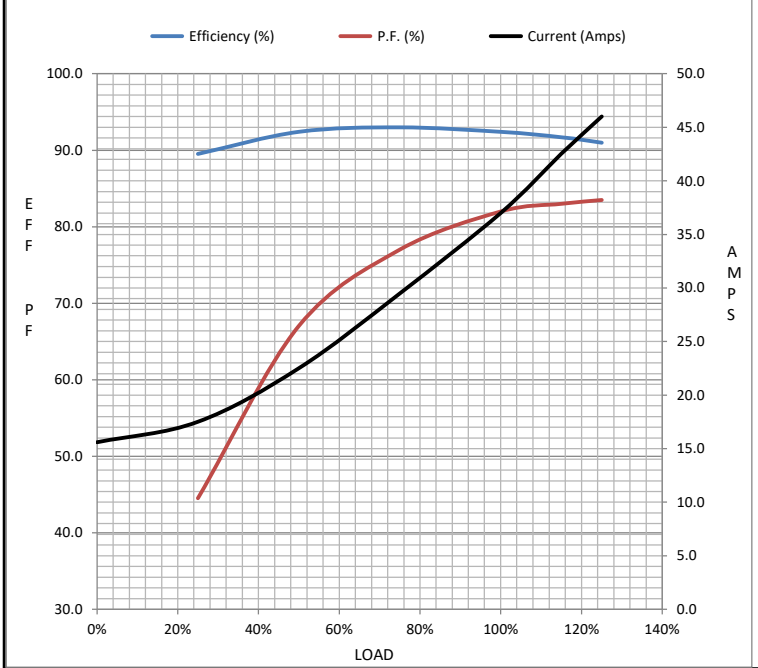
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	15.6	17.5	22.5	29.5	37.0	42.5	46.0	217
Torque (ft-lb)	0.00	22.0	44.0	66.5	89.0	103	112	175
RPM	1800	1792	1785	1778	1768	1,760	1755	0
Efficiency (%)		89.5	92.4	93.0	92.4	91.7	91.0	
P.F. (%)	4.5	44.5	67.0	77.0	82.0	83.0	83.5	40.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1625	1768	1800
Current (Amps)	217	175	125	37.0	15.6
Torque (ft-lb)	175	155	225	89.0	0.00

Information Block

HP	30.0			
Sync. RPM	1800			
Frame	286			
Enclosure	EPFC			
Construction	TFP			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	3,300 feet			
Rotor/Shaft wk <sup>2</sup>	3.3 Lb-Ft <sup>2</sup>			
Ref Wdg	K2564247 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS311005-1425			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1990	0.1370	0.6720	0.9330	15.5120



Speed - Torque Curve

