

# PRODUCT INFORMATION PACKET

marathon®  
Motors

Model No: 326TTGP4026

Catalog No: U013

Hazardous Duty® Explosion Proof Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,  
1800 & 1500 RPM, 326T Frame, EPFC



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RegalRexnord

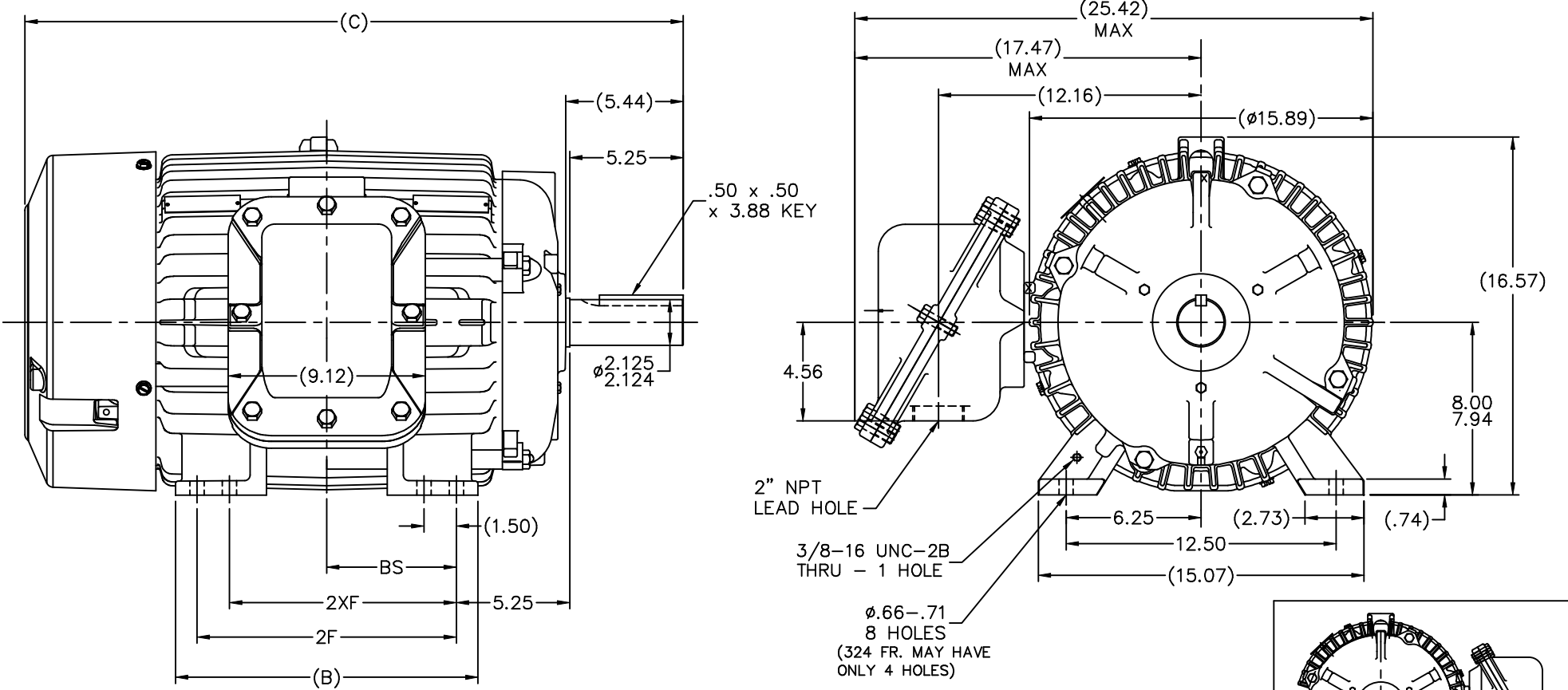
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>50 &amp; 40 Hp</b>
Output KW	<b>37.0 &amp; 30.0 kW</b>	Voltage	<b>230/460 &amp; 190/380 V</b>
Speed	<b>1765 &amp; 1468 rpm</b>	Service Factor	<b>1.0 &amp; 1.0</b>
Frame	<b>326T</b>	Enclosure	<b>Explosion Proof Fan cooled</b>
Thermal Protection	<b>Thermostat</b>	Efficiency	<b>93 &amp; 92.4 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>122/61 &amp; 119/59.5 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>6312</b>	Opp Drive End Bearing Size	<b>6311</b>
UL	<b>No</b>	CSA	<b>N</b>
CE	<b>N</b>	IP Code	<b>54</b>
Number of Speeds	<b>1</b>	Hazardous Location	<b>DIV 1 EXP PROOF CL I GR CD CL II GR FG T3B</b>

### Technical Specifications

Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Line Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.122 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>30.47 in</b>
Frame Length	<b>16.25 in</b>	Shaft Diameter	<b>2.130 in</b>
Shaft Extension	<b>5.44 in</b>	Assembly/Box Mounting	<b>F1 ONLY</b>
Inverter Load	<b>CONSTANT 2:1</b>		
Connection Drawing	<b>A-EE7308AD</b>	Outline Drawing	<b>B-SS311001-1625</b>



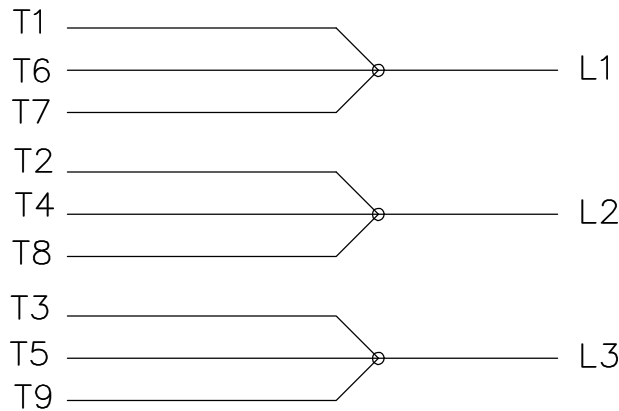


- NOTES:  
 1. BOX CAN ONLY BE ROTATED CLOCKWISE UP TO 270° FROM ITS ORIGINAL POSITION.  
 2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

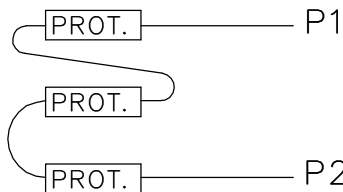
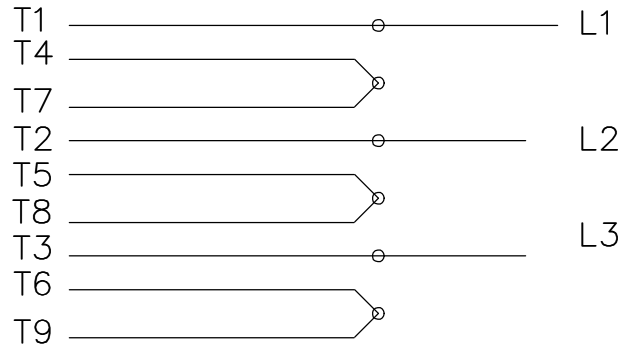
DASH	FRAME	B	C	2F	2XF	BS
1475	324T	14.00	28.97	10.50		5.25
1625	324/326T	14.00	30.47	12.00	10.50	6.00

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN DA 03-25-1999					
				DEC.	INCHES		CHK	ML				
7	REDRAWN IN AUTOCAD	TAT	06-28-2004	ML	.X	±.1	APPD	SW 04-14-1999				
6	FRAME FOR 1625 DASH WAS 326T FR. MU38599	TJB	08-23-2001	.XX	±.03	TITLE	SCALE	7-32				
5	DASH 1475 'B' WAS 12.50 CN 29200-1468	MSG	02-21-2001	.XXX	±.005	320T FR. - BB - STD - 12.50 LAM.	REF					
4	ADDED F2 VIEW CN 29200-383	TJB	04-28-2000	.XXXX	±.0005	MATL	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV						
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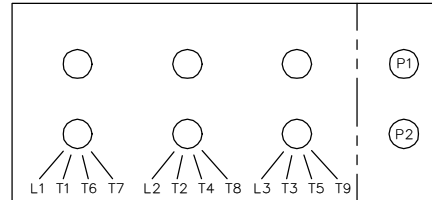
LOW VOLTAGE



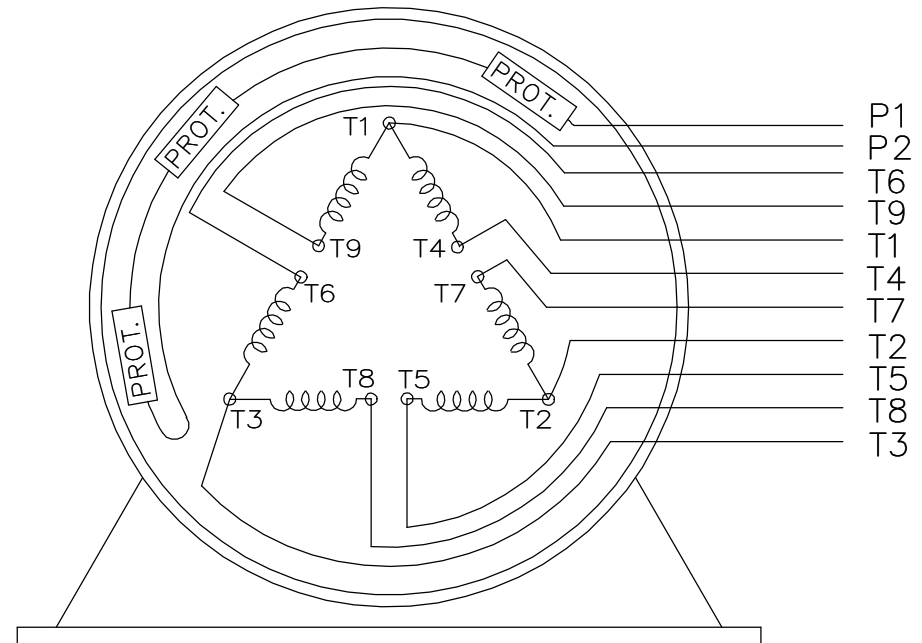
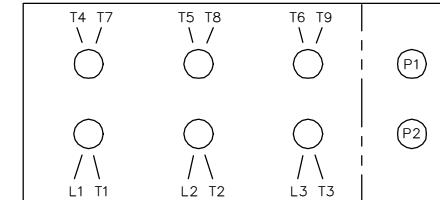
HIGH VOLTAGE



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

WHEN MORE THAN ONE PROT. IS USED; PROT. ARE CONNECTED IN SERIES

DRAWING REVISION <b>L</b>	REVISION BY <b>JP</b>	REV DATE/© DATE <b>06-21-2019</b>	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7° 30" .XX ±0.02 [±0.5] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 200/ 5.1 INCH mm mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY <b>MJD</b>	Regal Beloit America, Inc.
ECO <b>ECO-0168744</b>	APPROVED BY <b>MH</b>	DATE <b>06-21-2019</b>		DATE <b>12-19-1997</b>	
ECO DESCRIPTION <b>UPDATED TO CURRENT STANDARDS</b>				APPROVED BY <b>GK</b>	DESCRIPTION <b>CONN DIAGRAM-EXTERNAL</b>
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			REFERENCE	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE <b>A</b>	DRAWING NUMBER <b>EE7308AD</b>
					SHEET <b>1 OF 1</b>



Data Sheet

326TTGP4026

Date: 12/12/2018  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: FAREEDA DUDEKULA



Submittal

Data @ 460 V

Motor Load Data

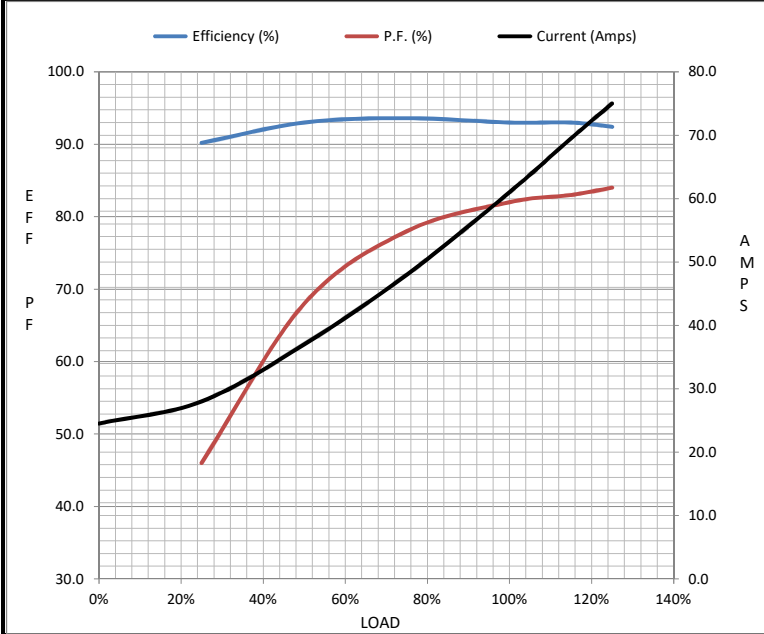
Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	24.5	28.0	37.0	48.0	61.0	69.5	75.0	355
Torque (ft-lb)	0.00	36.8	73.5	111	149	172	187	290
RPM	1800	1792	1785	1775	1765	1,760	1755	0
Efficiency (%)		90.2	93.0	93.6	93.0	93.0	92.4	
P.F. (%)	4.5	46.0	68.0	78.0	82.0	83.0	84.0	38.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1600	1765	1800
Current (Amps)	355	325	210	61.0	24.5
Torque (ft-lb)	290	210	375	149	0.00

Information Block

HP	50.0			
Sync. RPM	1800			
Frame	326			
Enclosure	EPFC			
Construction	TGS			
Voltage	230/460#190/380 V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1			
Temp Rise @ FL	75 °C			
Duty	CONT			
Ambient	40 °C			
Elevation	1,000 feet			
Rotor/Shaft wk <sup>2</sup>	5.6 Lb-Ft <sup>2</sup>			
Ref Wdg	K2864251 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS311001-1625			
Conn. Diag	A-EE7308AD			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0910	0.0910	0.4410	0.5550	10.5860



Speed - Torque Curve

