

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 326TTFCA6026

Catalog No: GT1037

Globetrotter® General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 326T Frame, TEFC



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RegalRexnord

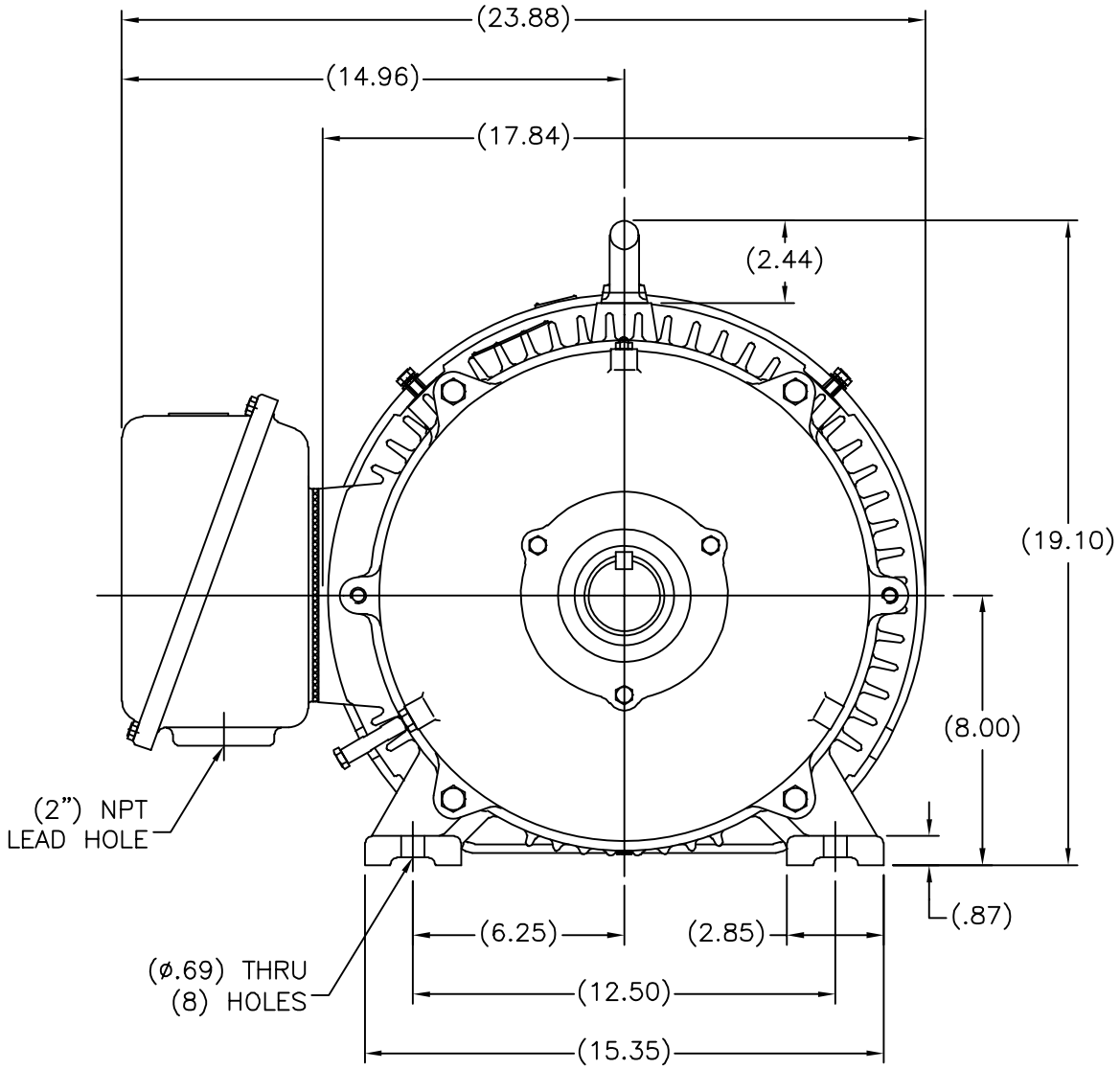
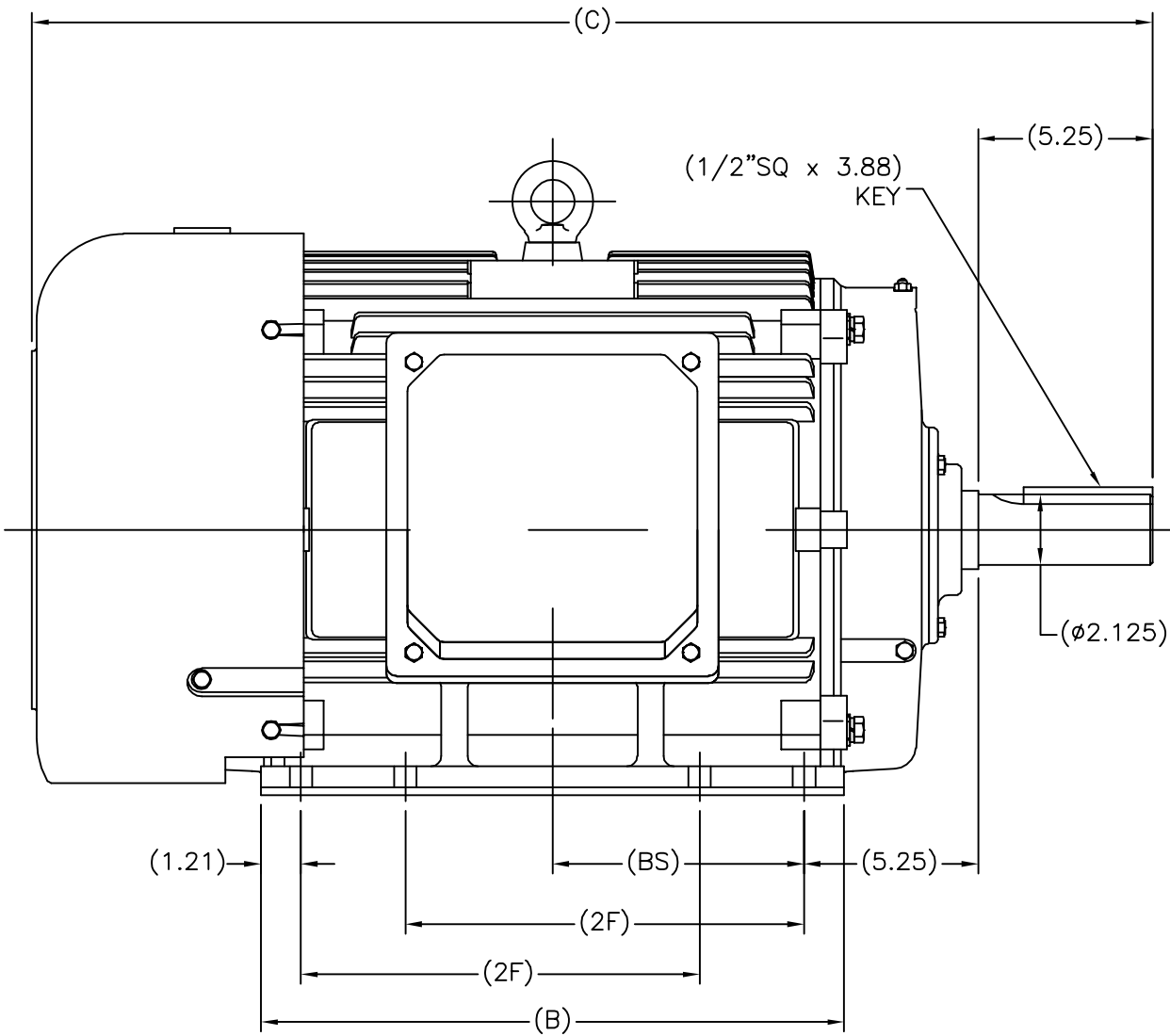
Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190/380 V
Speed	1780 & 1480 rpm	Service Factor	1.15 & 1.15
Frame	326T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	119/59.5 & 114/57 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.113 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	33.86 in
Shaft Diameter	2.125 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	VARIABLE 10:1
Outline Drawing	SS620247-326T	Connection Drawing	A-EE7308AA

SS620247



(MAY NOT BE DRAWN TO SCALE)

(DIMENSIONS IN TABLE ARE CONSIDERED REFERENCE)

324T	32.68	16.37	10.50	6.98
326T	33.86	17.56	12.00	7.57
FRAME	C	B	2F	BS

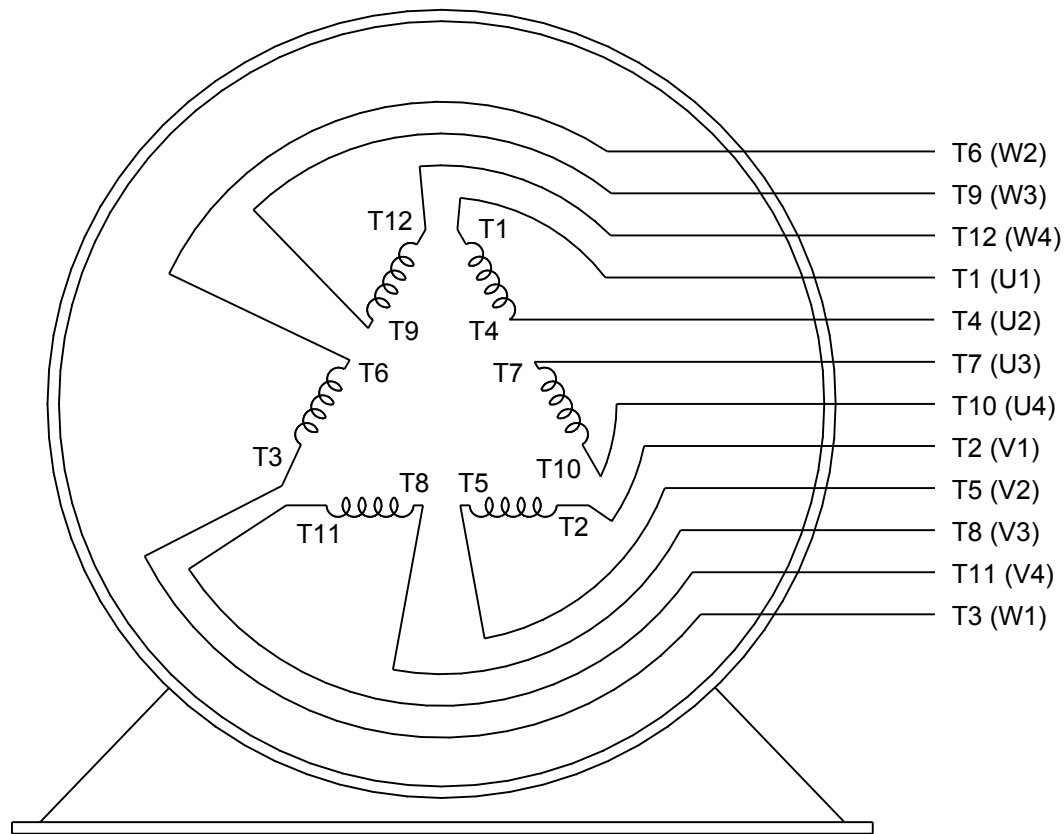
		TOLERANCES UNLESS SPECIFIED		DRAWN MSG 01-12-2010	
		DEC.	INCHES	CHK	MJS 01-13-2010
		.X	±.1	APPD	SB 01-13-2010
		.XX	±.03	SCALE 7=32	
		.XXX	±.005	REF	
1	ADDED 'BS' DIM. PER. ECO-0048910	RFH 04/07/2014	EH .XXXX ±.0005	MAT'L	
		BY & DATE	CHK ANG ±7'30"	FINISH	
		THIS DRAWING IN DESIGN AND DETAIL IS OUR 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 01-14-2010	CAD FILE SS620247	SIZE B
					DRAWING NO. SS620247
					PAGE OF 1
					REV. 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	THIRD ANGLE PROJECTION
DATE 01-12-1994	
APPROVED BY GK	
DATE 01-14-1994	
REFERENCE	

 Regal Beloit America, Inc.		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 326TTFCA6026 AB
 CONN. DIAGRAM: A-EE7308AA
 OUTLINE: B-SS620247

WINDING#: CHT32640003 NONE 2
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50&40	37&30	1800	1780&1480	326T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	119/59.5&114/ 57	Y START D RUN OR INV	CONTINUOU S	F7	1.15/1.15	40	3300

FULL LOAD EFF: 94.5&93.6	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 94.1	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83&83	3/4 LOAD PF: 80	1/2 LOAD PF: 71.5	93	SQ CAGE INV RATED	42 / 21

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
147.5 LB-FT	712 / 356	255 LB-FT 173	395 LB-FT 265	80

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	12 LB-FT^2	- LB-FT^2	20 SEC.	2	825 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6312	6311	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further
information

INVERTER TORQUE: VARIABLE 10:1
 INV. HP SPEED RANGE: NONE

ENCODER: NONE
 NONE NONE
 NONE NONE PPR

BRAKE: NONE NONE
 NONE P/N NONE
 NONE NONE
 NONE FT-LB NONE V NONE Hz

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DATE: 06/21/2017 07:02:13 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 6/29/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



326TTFCA6026

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	21.0	25.5	35.0	46.5	57.8	68.5	75.0	356	
Torque (ft-lb)	0.00	36.5	73.5	110	148	170	185	255	
RPM	1800	1795	1790	1785	1780	1,775	1770	0	
Efficiency (%)		91.0	94.1	94.5	94.5	94.1	93.6		
P.F. (%)	4.5	50.0	71.5	80.0	85.0	85.0	85.0	34.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block																																												
Speed (RPM)	0	970	1715	1780	1800	HP	50.0																																											
Current (Amps)	356	308	208	57.8	21.0	Sync. RPM	1800																																											
Torque (ft-lb)	255	210	395	148	0.00	Frame	326																																											
— Efficiency (%) — P.F. (%) — Current (Amps) EFFICIENCY (%) P.F. (%) CURRENT (AMPS) <table><tr><td>Outline Dwg</td><td colspan="4">B-SS620247</td></tr><tr><td>Conn. Diag</td><td colspan="4">A-EE7308AA</td></tr><tr><td colspan="5">Additional Specifications:</td></tr><tr><td colspan="5">0</td></tr><tr><td colspan="5">0</td></tr><tr><td colspan="5">EQUIV CKT (OHMS / PHASE)</td></tr><tr><td>R1</td><td>R2</td><td>X1</td><td>X2</td><td>Xm</td></tr><tr><td>0.0770</td><td>0.0510</td><td>0.3980</td><td>0.6930</td><td>15.5630</td></tr></table>						Outline Dwg	B-SS620247				Conn. Diag	A-EE7308AA				Additional Specifications:					0					0					EQUIV CKT (OHMS / PHASE)					R1	R2	X1	X2	Xm	0.0770	0.0510	0.3980	0.6930	15.5630	Enclosure	TEFC			
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						Construction	TFC																																											
						Voltage	230/460#190/381V																																											
						Frequency	60 Hz																																											
						Design	B																																											
						LR Code letter	G																																											
						Service Factor	1.15																																											
						Temp Rise @ FL	80 ° C																																											
						Duty	CONT																																											
Ambient	40 ° C																																																	
Elevation	1,000 feet																																																	
Rotor/Shaft wk ²	12.0 Lb-Ft ²																																																	
Ref Wdg	CHT32640003 NONE																																																	
Sound Pressure @ 1M	65 dBA																																																	
VFD Rating	VARIABLE 10:1																																																	

 0 | 0 | | | || EQUIV CKT (OHMS / PHASE) | | | | |
| R1 | R2 | X1 | X2 | Xm |
| 0.0770 | 0.0510 | 0.3980 | 0.6930 | 15.5630 |

Speed -Torque Curve

