

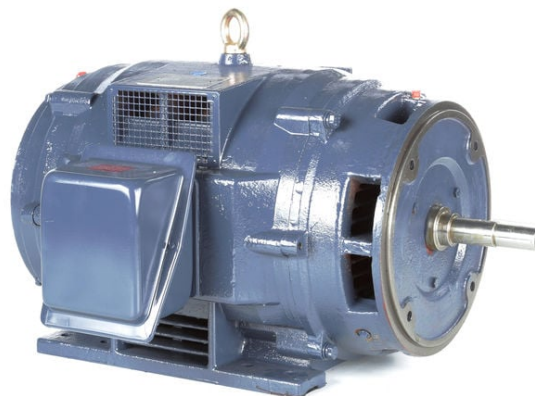
PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 326TTDCA6032

Catalog No: GT0437

Globetrotter® Close-Coupled Pump Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1800 & 1500 RPM, 326JM Frame, DP



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RegalRexnord

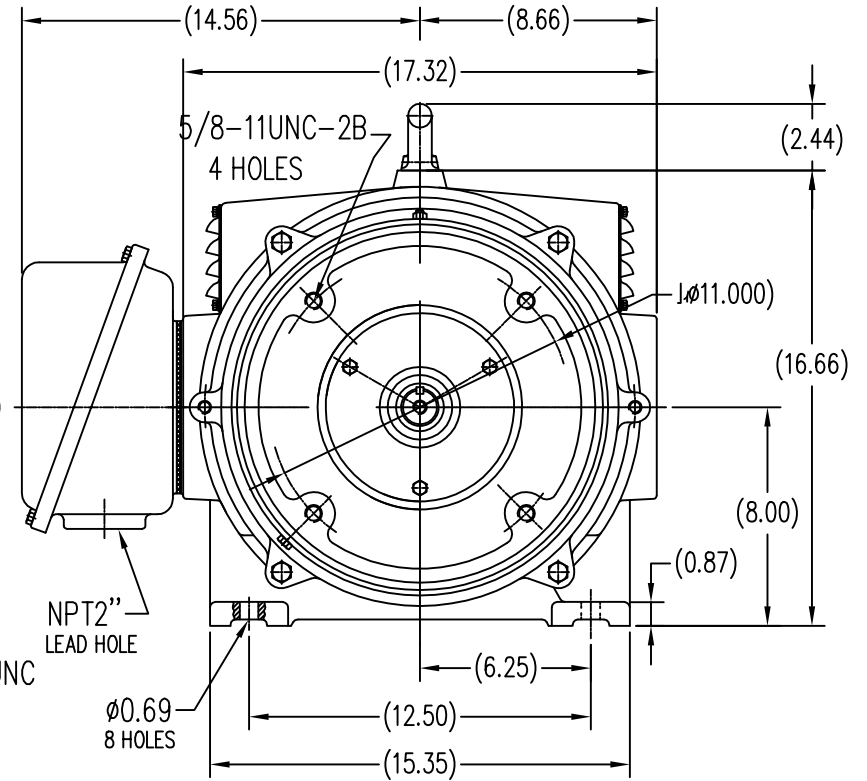
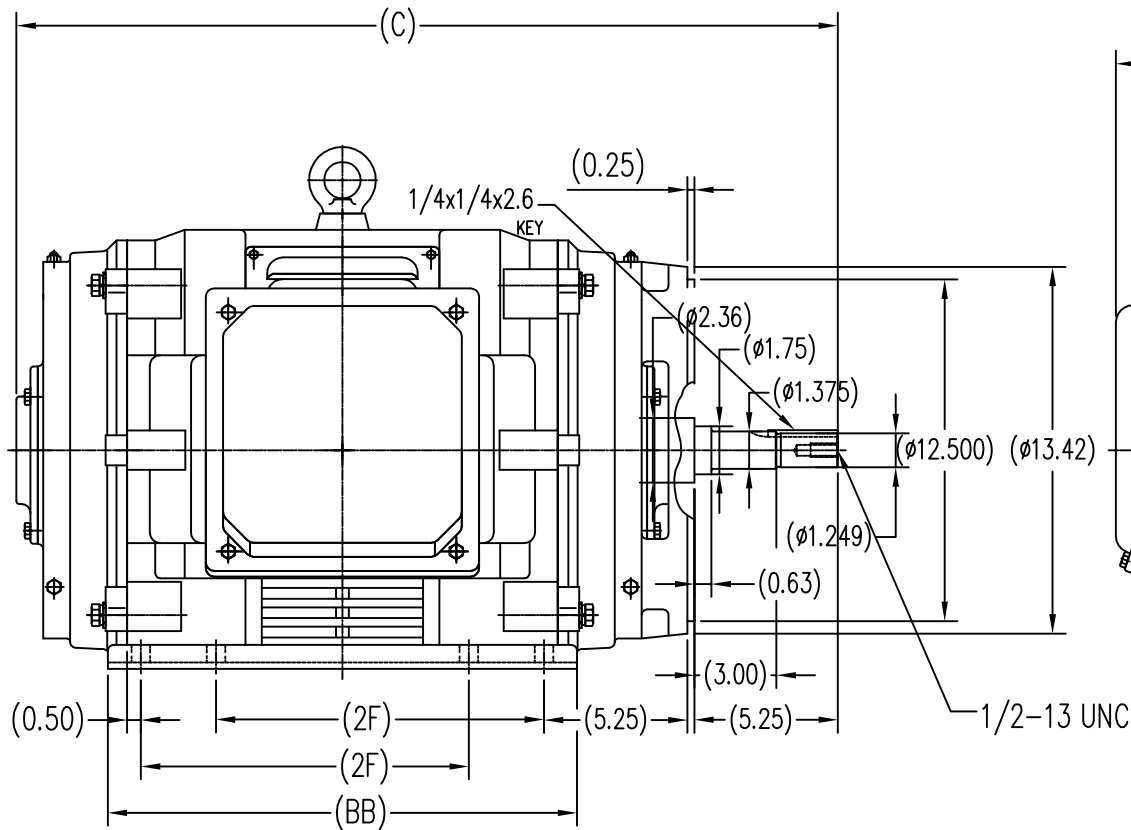
Nameplate Specifications

Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190/380 V
Speed	1785 & 1480 rpm	Service Factor	1.15 & 1.0
Frame	326JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	94.5 & 94.1 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	118/59 & 114/57 A	Power Factor	83.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	Y	IP Code	12
Number of Speeds	1		

Technical Specifications

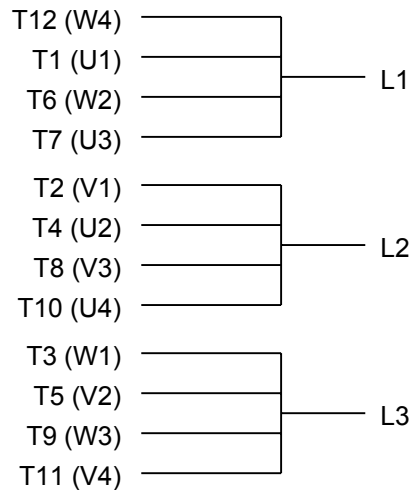
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.1714 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JM	Overall Length	30.12 in
Frame Length	15.75 in	Shaft Diameter	1.250 in
Shaft Extension	5.25 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	SS620315-326T	Connection Drawing	A-EE7308AA

SS620315

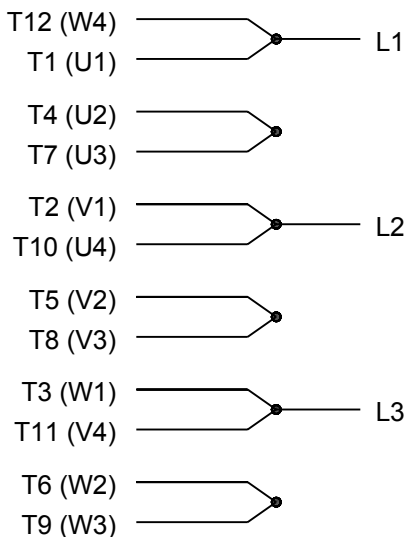


324T	10.50	15.99	28.94
326T	12.00	17.17	30.12
FRAME	2F	BB	C

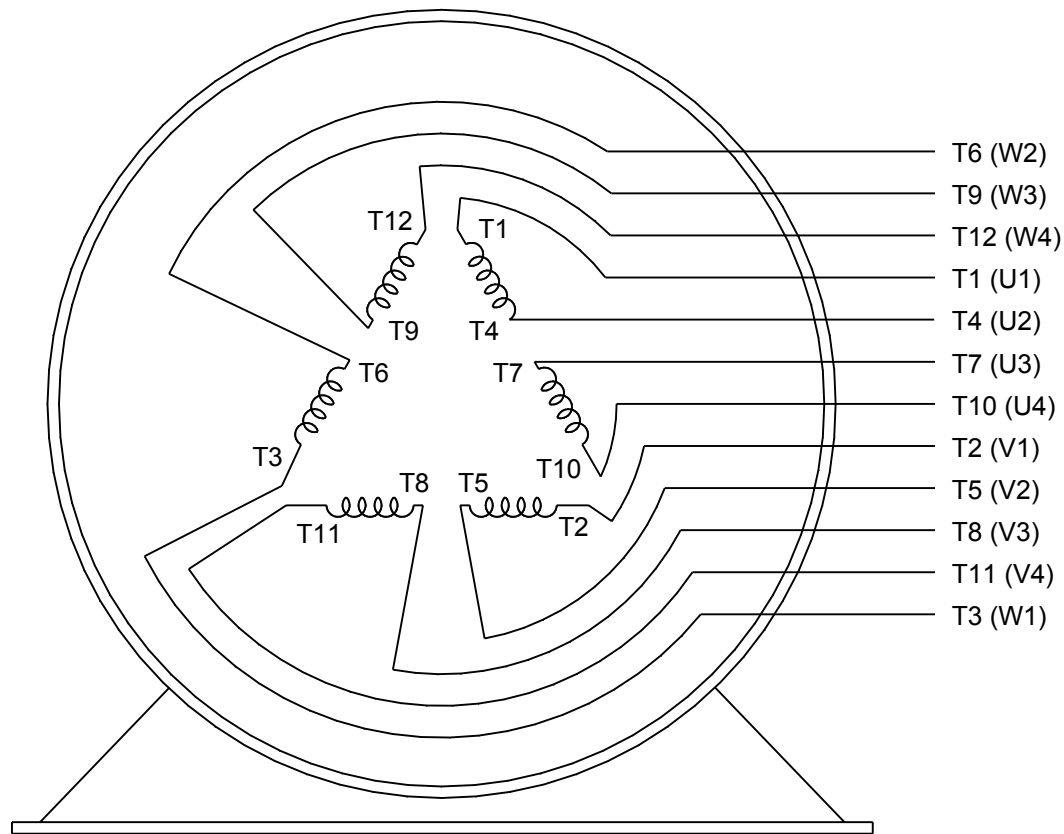
TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT CORPORATION		DRAWN ZYH 6-8-2010	
DEC.	INCHES	CHK	HZJ 6-8-2010	APPD	CL 6-8-2010
X	±.1				
XX	±.03				
XXX	±.005				
XXXX	±.0005				
NO.	REVISION	BY & DATE	CHK	ANG	FINISH
			RFP		CAD FILE JM 324-326
			DIST		
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				SIZE B	DRAWING NO. SS620315
					REV.



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	 Regal Beloit America, Inc.	
DATE 01-12-1994		
APPROVED BY GK	DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS	
DATE 01-14-1994		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION 	SIZE A	DRAWING NUMBER EE7308AA
		SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 326TTDCA6032 AA
 CONN. DIAGRAM: A-EE7308AA
 OUTLINE: B-SS620315

WINDING#: CHT32640004 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	1785&1480	326JM	DP	F	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	118/59&114/5 7	LINE OR INVERTER	CONTINUOU S	F7	1.15/1.0	40	3300

FULL LOAD EFF: 94.5&94.1	3/4 LOAD EFF: 95	1/2 LOAD EFF: 94.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83.5&84	3/4 LOAD PF: 81	1/2 LOAD PF: 73	93.6	SQ CAGE INV RATED	40 / 20

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
147 LB-FT	680 / 340	324 LB-FT 220	368 LB-FT 250	35

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 dBA	10.5 LB-FT^2	- LB-FT^2	20 SEC.	2	575 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	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	POLYREX EM	JM	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6312	6311						

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

* N O T E S *	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

DATE: 06/21/2017 06:42:00 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 20-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



326TTDCA6032

Submittal

Data @ 460 V

Motor Load Data

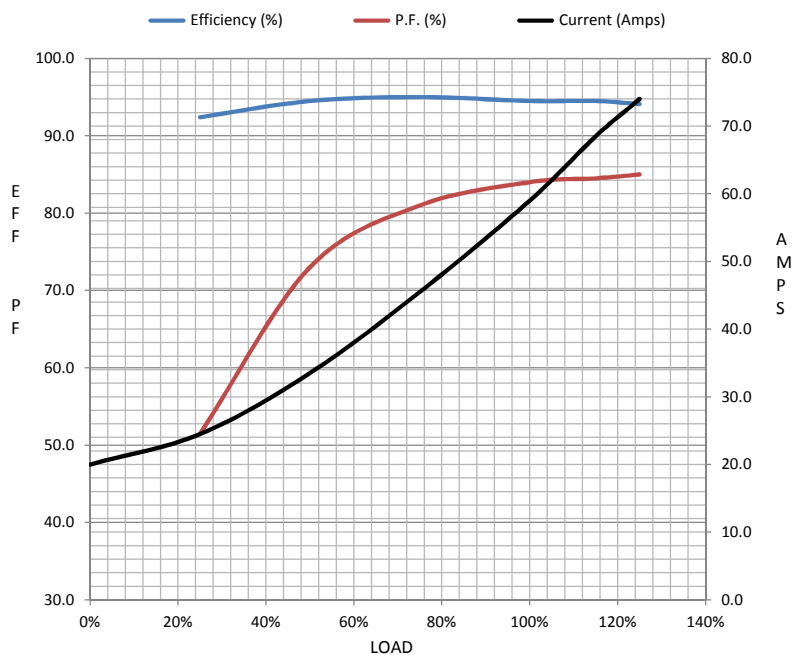
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	20.0	24.5	33.5	45.5	59.0	68.5	74.0	340	
Torque (ft-lb)	0.00	36.5	73.5	110	147	170	185	324	
RPM	1800	1795	1790	1788	1785	1,778	1775	0	
Efficiency (%)		92.4	94.5	95.0	94.5	94.5	94.1		
P.F. (%)	4.0	51.5	73.0	81.0	84.0	84.5	85.0	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1685	1785	1800
Current (Amps)	340	300	193	59.0	20.0
Torque (ft-lb)	324	210	368	147	0.00

Information Block

HP	50.0			
Sync. RPM	1800			
Frame	326			
Enclosure	DP			
Construction	TDC			
Voltage	230/460#190/38(V			
Frequency	60 Hz			
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	35 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk²	10.5 Lb-Ft²			
Ref Wdg	CHT32640004 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	VARIABLE 10:1			
Outline Dwg	B-SS620315			
Conn. Diag	A-EE7308AA			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1020	0.0490	0.4280	0.7130	13.1670



Speed -Torque Curve

