

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 326TTFCA6013

Catalog No: GT3536

50 HP Close-Coupled Pump Motor, 3 phase, 3600 RPM, 575 V, 326JP Frame, TEFC
Close-Coupled Pump Motors



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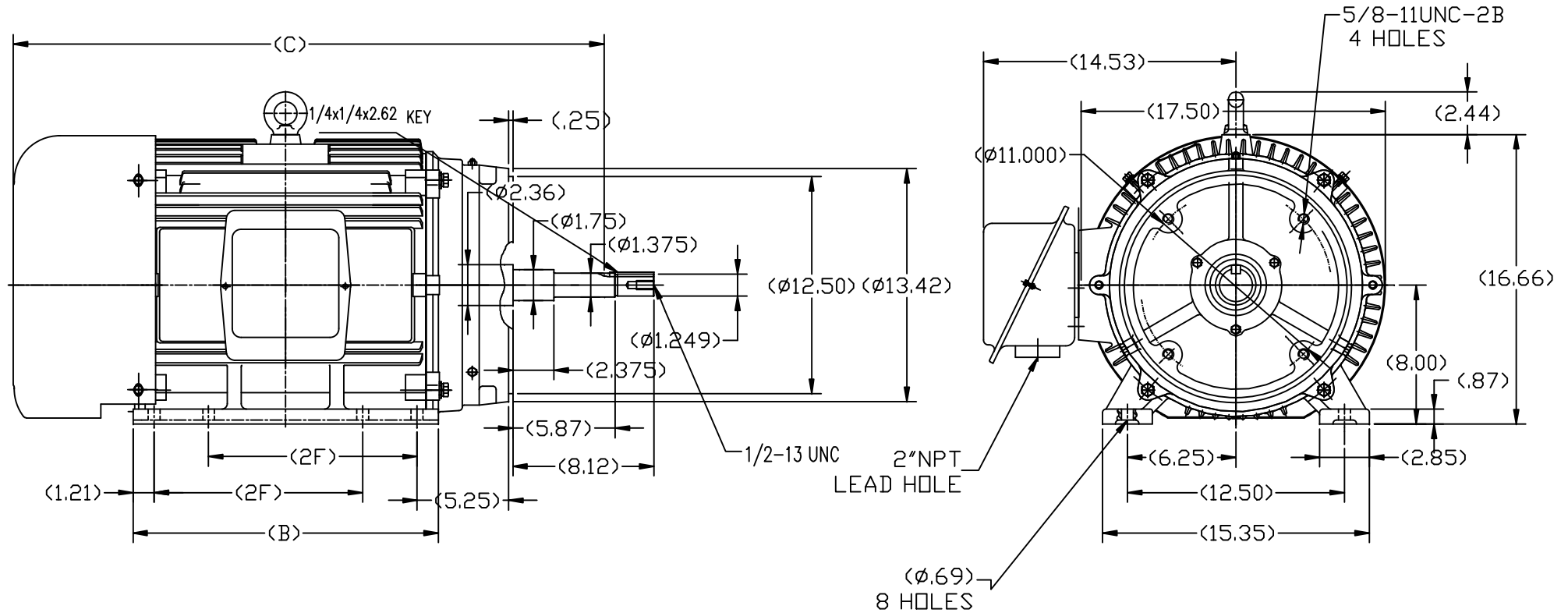
RegalRexnord

Nameplate Specifications


Output HP	50 Hp	Output KW	37.0 kW
Frequency	60 Hz	Voltage	575 V
Current	44.5 A	Speed	3568 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	90
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	326JP	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
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	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.102 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JP	Overall Length	36.99 in
Frame Length	16.14 in	Shaft Diameter	1.250 in
Shaft Extension	8.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Outline Drawing	SS620569-326T	Connection Drawing	EE7300



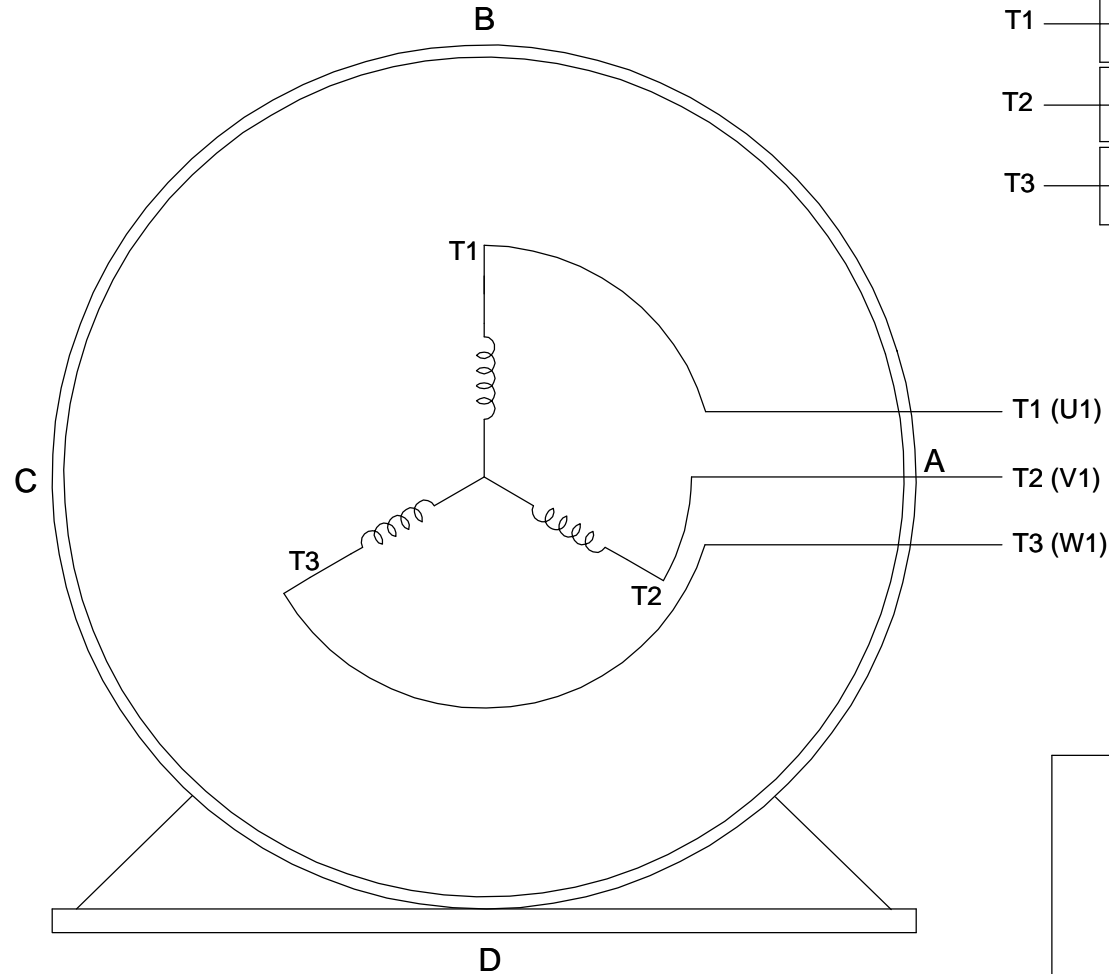
324T	35.81	16.38	10.50
326T	36.99	17.56	12.00
FRAME	C	B	2F

						TOLERANCES UNLESS SPECIFIED			REGAL-BELOIT CORPORATION	DRAWN	YY 05-23-2012		
					DEC.	INCHES				CHK	ZYH 05-23-2012		
					.X	±.1				APPD	WGH 05-23-2012		
					XX	±.03	TITLE			OUTLINE	SCALE	1=7	
					.XXX	±.005				TEFC-324/326JP FR-CAST IRON	REF		
					.XXXX	±.0005	MAT'L.				FMF	HWADA	
ND	REVISION			BY & DATE		CHK	ANG	±1/2	FINISH		PREV		
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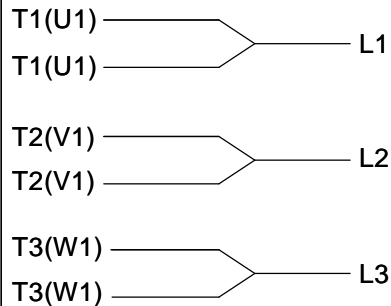
THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED



IF MOTOR HAS 6 LEADS



A-9806 DECAL

OPTIONAL CORD CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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CERTIFICATION DATA SHEET

Model#: 326TTFCA6013 AA
 CONN. DIAGRAM: EE7300
 OUTLINE: SS620569

WINDING#: CHT32620001 NONE 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50	37	3600	3568	326JP	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	44.5	LINE OR INVERTER	CONTINUOU S	F2	1.15	40	3300

FULL LOAD EFF: 93	3/4 LOAD EFF: 93	1/2 LOAD EFF: 93	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 90	3/4 LOAD PF: 88	1/2 LOAD PF: 83	92.4	SQ CAGE INV RATED	10.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
73.5 LB-FT	289.6	135 LB-FT 182	195 LB-FT 265	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	5.6 LB-FT^2	27 LB-FT^2	15 SEC.	2	800 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						
6312	6311	POLYREX EM	JP	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 07:01:21 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



326TFC6013

Submittal

Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	10.8	15.6	24.0	34.0	44.4	51.2	56.0	290	
Torque (ft-lb)	0.00	18.0	36.5	55.0	73.5	85.0	92.0	135	
RPM	3600	3592	3585	3575	3560	3,555	3550	0	
Efficiency (%)		89.5	93.0	93.0	93.0	93.0	93.0		
P.F. (%)	8.5	66.0	83.0	88.0	90.0	90.0	90.0	33.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block				
Speed (RPM)	0	1800	3450	3560	3600	HP	50.0			
Current (Amps)	290	260	168	44.4	10.8	Sync. RPM	3600			
Torque (ft-lb)	135	115	195	73.5	0.00	Frame	326			
<div><div>— Efficiency (%)</div><div>— P.F. (%)</div><div>— Current (Amps)</div><div>EFFICIENCY (%)</div><div>P.F. (%)</div><div>CURRENT (AMPS)</div><div>LOAD</div></div>						Enclosure	TEFC			
						Construction	TFC			
						Voltage	575 V			
						Frequency	60 Hz			
						Design	A			
						LR Code letter	G			
						Service Factor	1.15			
						Temp Rise @ FL	70 ° C			
						Duty	CONT			
						Ambient	40 ° C			
						Elevation	1,000 feet			
						Rotor/Shaft wk²	5.6 Lb-Ft²			
						Ref Wdg	CHT32620001 NONE			
						Sound Pressure @ 1M	75 dBA			
						VFD Rating	VARIABLE 10:1			
						Outline Dwg	SS620569			
						Conn. Diag	EE7300			
Additional Specifications:										
0										
0										
EQUIV CKT (OHMS / PHASE)										
R1		R2		X1		X2		Xm		
0.1180		0.0650		0.6430		0.8360		31.2530		

Speed -Torque Curve

