

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 326TTDCA6092

Catalog No: GT0532

30 HP Close-Coupled Pump Motor, 3 phase, 1200 RPM, 575 V, 326JMV Frame, ODP  
Close-Coupled Pump Motors



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**RegalRexnord**

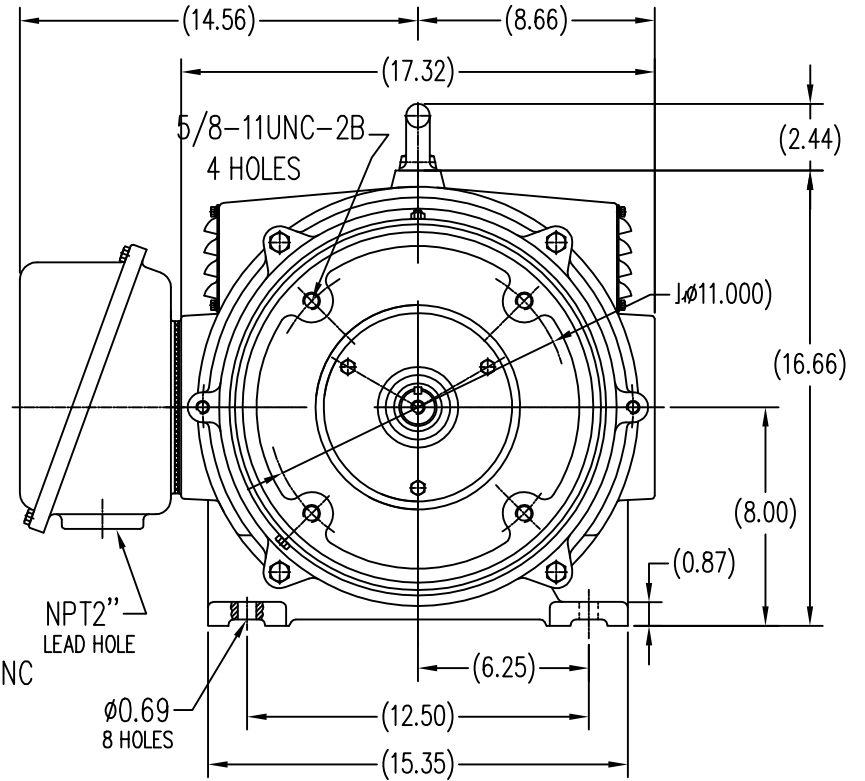
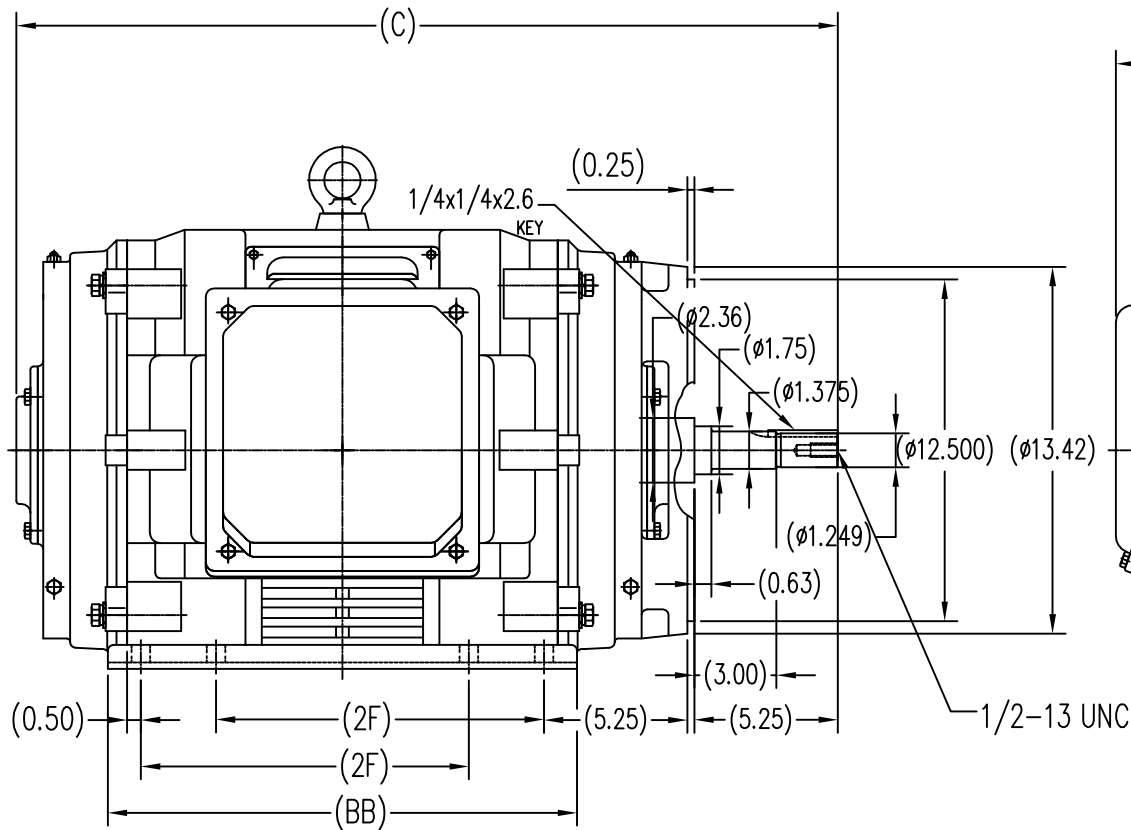
### Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	575 V
Current	32.5 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	74
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	326JMV	Enclosure	Drip Proof
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	12
Number of Speeds	1		

### Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.185 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	JM	Overall Length	30.12 in
Shaft Diameter	1.250 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620315-326T	Connection Drawing	EE7300

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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					REV.

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#: 326TTDCA6092 AA

WINDING#: CHT32660003 NONE 3

CONN. DIAGRAM: EE7300

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: SS620315

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
30	22.4	1200	1190	326JMV	DP	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	32.5	LINE OR INVERTER	CONTINUOU S	F7	1.15	40	3300

FULL LOAD EFF: 93.6	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 91.7	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 74	3/4 LOAD PF: 69	1/2 LOAD PF: 55	91.7	SQ CAGE INV RATED	17

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
133 LB-FT	160	206 LB-FT 156	272 LB-FT 206	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
69 dBA	79 dBA	13.8 LB-FT^2	500 LB-FT^2	20 SEC.	2	650 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 OR SHAFT DOWN	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

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
- FT-LB NONE V NONE Hz

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DATE: 06/21/2017 06:46:25 AM

FORM 3531 REV.3 02/07/99

\*\* Subject to change without notice.

## Data Sheet

Date: 6/19/2017

Customer: \_\_\_\_\_

Attention: \_\_\_\_\_

Submitted by: FAREEDA DUDEKULA



326TTDCA6092

Submittal

Data @ 575 V

## Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	17.0	18.4	22.0	26.4	31.6	36.0	38.8	160	
Torque (ft-lb)	0.00	32.8	66.0	99.0	133	153	166	206	
RPM	1200	1198	1196	1192	1188	1,185	1182	0	
Efficiency (%)		87.5	91.7	93.6	93.6	93.6	93.0		
P.F. (%)	4.5	35.0	55.0	69.0	75.5	76.0	77.0	34.0	

## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle																				
Speed (RPM)	0	600	1145	1188	1200																				
Current (Amps)	160	148	108	31.6	17.0																				
Torque (ft-lb)	206	240	272	133	0.00																				
<div><div>— Efficiency (%) — P.F. (%) — Current (Amps)</div><div>EFFICIENCY (%)</div><div>P.F. (%)</div><div>CURRENT (AMPS)</div><div>LOAD</div></div> <table><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>0.1770</td><td>0.0890</td><td>0.7760</td><td>1.7730</td><td>19.2920</td></tr></table>						EQUIV CKT (OHMS / PHASE)					R1	R2	X1	X2	Xm	0.1770	0.0890	0.7760	1.7730	19.2920	Information Block				
						EQUIV CKT (OHMS / PHASE)																			
						R1	R2	X1	X2	Xm															
						0.1770	0.0890	0.7760	1.7730	19.2920															
						HP		30.0																	
						Sync. RPM		1200																	
						Frame		326																	
						Enclosure		DP																	
						Construction		TDC																	
						Voltage		575 V																	
						Frequency		60 Hz																	
						Design		B																	
						LR Code letter		G																	
						Service Factor		1.15																	
						Temp Rise @ FL		40 ° C																	
						Duty		CONT																	
						Ambient		40 ° C																	
Elevation		1,000 feet																							
Rotor/Shaft wk <sup>2</sup>		13.8 Lb-Ft <sup>2</sup>																							
Ref Wdg		CHT32660003 NONE																							
Sound Pressure @ 1M		69 dBA																							
VFD Rating		VARIABLE 10:1																							
Outline Dwg		SS620315																							
Conn. Diag		EE7300																							
Additional Specifications:																									
0																									
0																									

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## Speed -Torque Curve

