

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 326TTFCA6092

Catalog No: GT3232

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



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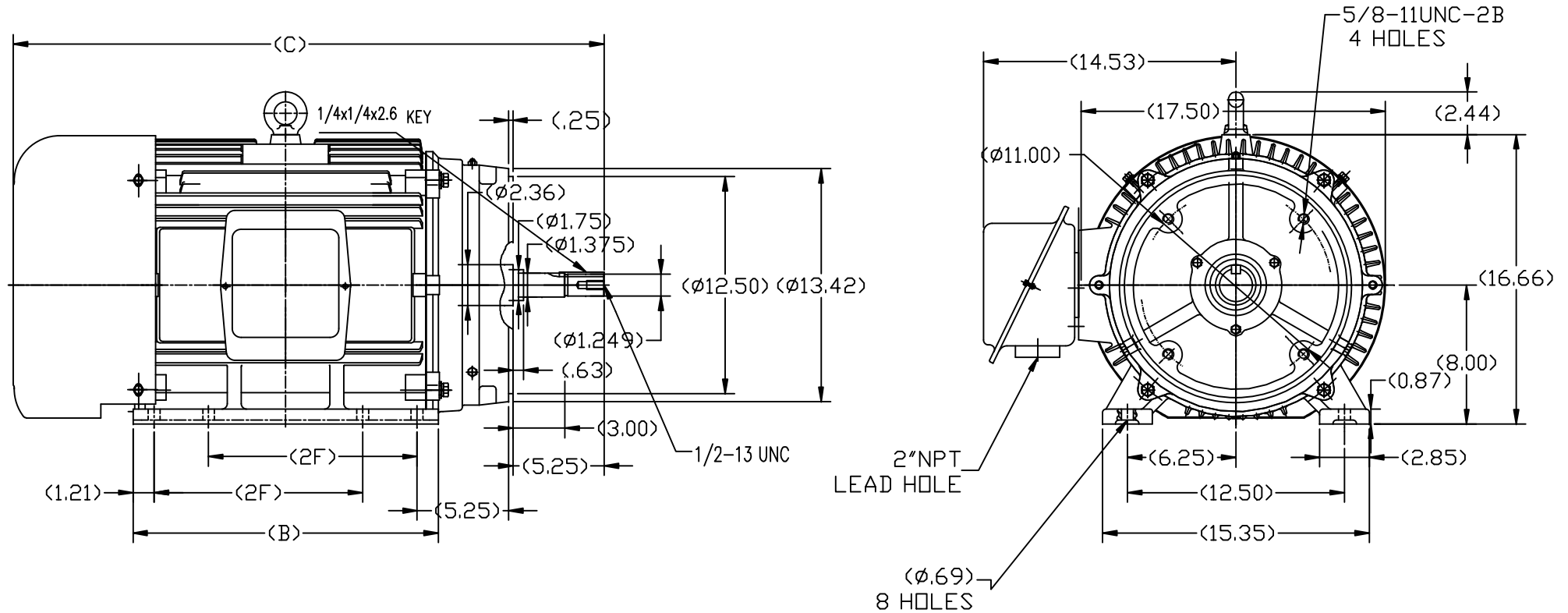
RegalRexnord

Nameplate Specifications


Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	575 V
Current	32.0 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	75.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	326JMV	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	6	Rotation	Reversible
Resistance Main	.2269 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	34.11 in
Shaft Diameter	1.250 in	Shaft Extension	5.25 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	EE7300	Outline Drawing	SS620566-326T



324T	32.93	16.38	10.50
326T	34.11	17.56	12.00
FRAME	C	B	2F

				TOLERANCES UNLESS SPECIFIED			REGAL-BELOIT CORPORATION		DRAWN VY 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-324/326JM FR-CAST IRON			REF		
				.XXXX	±.0005	MAT'L.		FMF	HWADA		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2	FINISH			PREV		
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						DIST					

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#: 326TTFCA6092 AA

WINDING#: CHT32660001 NONE 3

CONN. DIAGRAM: EE7300

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: SS620566

TYPICAL MOTOR PERFORMANCE DATA

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

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	575	32	LINE OR INVERTER	CONTINUOU S	F7	1.15	40	3300

FULL LOAD EFF: 93	3/4 LOAD EFF: 96	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 75.5	3/4 LOAD PF: 68	1/2 LOAD PF: 57	91.7	SQ CAGE INV RATED	16

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
133 LB-FT	173.6	358 LB-FT 270	478 LB-FT 360	70

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
58 dBA	68 dBA	12.8 LB-FT^2	- LB-FT^2	20 SEC.	2	- 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						
6312	6311	POLYREX EM	JM	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 07:09:18 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



326TTFCA6092

Submittal

Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	16.0	17.2	21.2	26.4	32.0	34.6	39.2	174	
Torque (ft-lb)	0.00	33.0	66.0	99.5	133	153	166	358	
RPM	1200	1197	1195	1190	1185	1,182	1180	0	
Efficiency (%)		88.5	92.4	96.0	93.0	93.0	92.4		
P.F. (%)	4.0	36.0	57.0	68.0	76.0	77.0	77.0	37.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle	Information Block				
Speed (RPM)	0	600	1125	1185	1200					
Current (Amps)	174	156	116	32.0	16.0					
Torque (ft-lb)	358	300	478	133	0.00					
						HP				
						Sync. RPM				
						Frame				
						Enclosure				
						Construction				
						Voltage				
						Frequency				
						Design				
						LR Code letter				
						Service Factor				
						Temp Rise @ FL				
						Duty				
						Ambient				
						Elevation				
						Rotor/Shaft wk ²				
						Ref Wdg				
						Sound Pressure @ 1M				
						VFD Rating				
						Outline Dwg				
						Conn. Diag				
						Additional Specifications:				
						0				
						0				
						EQUIV CKT (OHMS / PHASE)				
						R1	R2	X1	X2	Xm
						0.2380	0.1120	0.8570	1.9100	20.6130

Speed -Torque Curve

