

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 326TTFS6076

Catalog No: E240

30 HP General Purpose Motor, 3 phase, 1200 RPM, 230/460 V, 326T Frame, TEFC  
General Purpose Motors



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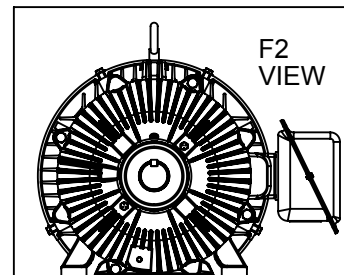
**RegalRexnord**


### Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	77.0/38.5 A	Speed	1182 rpm
Service Factor	1.15	Phase	3
Efficiency	93 %	Power Factor	79
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	326T	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 Induction Run	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Resistance Main	.21 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	30.38 in
Frame Length	13.00 in	Shaft Diameter	2.125 in
Shaft Extension	5.49 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS28289-1300	Connection Drawing	A-EE7308



- |  |   |                                   |                               |
|--|---|-----------------------------------|-------------------------------|
|  <b>Regal</b> <sup>TM</sup>               |   | <b>Regal Beloit America, Inc.</b> |                               |
| <b>DESCRIPTION</b>   |   |                                   |                               |
| <p style="text-align: center;"><b>OUTLINE</b></p> <p style="text-align: center;">320T FR. - TEFC - CAST IRON - STEEL C'BOX</p> |   |                                   |                               |
| <b>MATERIAL</b>  |   | <b>PROCESS/FINISH</b>             |                               |
| <b>SIZE</b><br><b>B</b>  | <b>DRAWING NUMBER</b><br><b>SS28289</b> |                                   | <b>SHEET</b><br><b>1 OF 1</b> |

1150	324T	28.88 [733.48]	13.75 [349.25]	---	10.50 [266.70]	5.25 [133.35]
1300	324/326T	30.38 [771.58]	13.75 [349.25]	10.50 [266.70]	12.00 [304.80]	6.00 [152.40]
1450	326T	31.88 [809.68]	15.00 [381.00]	12.00 [304.80]	---	6.75 [171.45]
DASH	FRAME	C	B	2F	2FF	BS



				TOLERANCES UNLESS SPECIFIED		 <b>Regal Beloit America, Inc.</b>	DRAWN RM 11/20/1990				
5	CHG TO REGAL LOGO	SL 09/10/2015	AB	DEC.	INCHES		CHK ML 11/21/1990				
4	REVISED IEC NOTATIONS	MSG 11/15/2011	CMN	.X	±.1		APPD SAS 04/24/2003				
3	ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194	MSG 5/10/2010	MJS	.XX	±.02		SCALE 1=1				
2	ADDED THE OPTIONAL CORD CONNECTION MU46318	RDH 04/24/2003	DRS	.XXX	±.005	TITLE CONNECTION DIAGRAM 3ø – DUAL VOLTAGE MOTOR	REF				
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±7"30"	FINISH	PREV				
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		CAD FILE ee7308		SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST WP				A	EE7308			5

## CERTIFICATION DATA SHEET

Model#: 326TTFS6076 CU

WINDING#: 3266102 NONE 3

CONN. DIAGRAM: A-EE7308

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: B-SS28289-1300

## TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
30	22.4	1200	1182	326T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	77/38.5	ACROSS THE LINE	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 93	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 79	3/4 LOAD PF: 75	1/2 LOAD PF: 66	92.4	SQ CAGE IND RUN	30 / 15

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
134 LB-FT	434 / 217	200 LB-FT 149	375 LB-FT 280	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
58 dBA	68 dBA	9.4 LB-FT^2	500 LB-FT^2	20 SEC.	2	725 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: NONE
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 07:18:27 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



326TTF6076

Submittal

Data @ 460 V

## Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	15.0	17.5	23.0	30.0	38.5	43.5	47.5	217	
Torque (ft-lb)	0.00	33.0	66.0	100	134	154	168	200	
RPM	1200	1195	1190	1185	1182	1,178	1175	0	
Efficiency (%)		88.5	92.4	93.0	93.0	92.4	91.7		
P.F. (%)	5.0	46.0	66.0	75.0	79.0	80.0	80.5	30.0	

## Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle																																									
Speed (RPM)	0	600	1100	1182	1200																																									
Current (Amps)	217	200	140	38.5	15.0																																									
Torque (ft-lb)	200	175	375	134	0.00																																									
<div><div><div>Efficiency (%)</div><div>P.F. (%)</div><div>Current (Amps)</div></div><table><thead><tr><th>LOAD</th><th>Efficiency (%)</th><th>P.F. (%)</th><th>Current (Amps)</th></tr></thead><tbody><tr><td>0%</td><td></td><td></td><td>15.0</td></tr><tr><td>20%</td><td>43.5</td><td>11.0</td><td>16.0</td></tr><tr><td>40%</td><td>48.0</td><td>22.0</td><td>18.0</td></tr><tr><td>60%</td><td>49.0</td><td>31.0</td><td>21.0</td></tr><tr><td>80%</td><td>49.0</td><td>36.0</td><td>25.0</td></tr><tr><td>100%</td><td>48.5</td><td>38.0</td><td>30.0</td></tr><tr><td>120%</td><td>47.5</td><td>39.0</td><td>36.0</td></tr><tr><td>125%</td><td></td><td></td><td>38.5</td></tr></tbody></table></div>						LOAD	Efficiency (%)	P.F. (%)	Current (Amps)	0%			15.0	20%	43.5	11.0	16.0	40%	48.0	22.0	18.0	60%	49.0	31.0	21.0	80%	49.0	36.0	25.0	100%	48.5	38.0	30.0	120%	47.5	39.0	36.0	125%			38.5					
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						LR Code letter					G																																			
						Service Factor					1.15																																			
						Temp Rise @ FL					60 ° C																																			
						Duty					CONT																																			
						Ambient					40 ° C																																			
Elevation					1,000 feet																																									
Rotor/Shaft wk²					9.4 Lb-Ft²																																									
Ref Wdg					3266102 NONE																																									
Sound Pressure @ 1M					58 dBA																																									
VFD Rating					NONE																																									
Outline Dwg					B-SS28289-1300																																									
Conn. Diag					A-EE7308																																									
Additional Specifications:																																														
0																																														
0																																														
EQUIV CKT (OHMS / PHASE)																																														
R1	R2	X1	X2	Xm																																										
0.1470	0.1210	0.9130	1.1540	16.2710																																										

## Speed -Torque Curve

