

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 326TTFS16106

Catalog No: M899B

25 HP Vertical Solid Shaft P-Base Motor, 3 phase, 900 RPM, 230/460 V, 326HPV Frame, TEFC
Vertical Pump Motors



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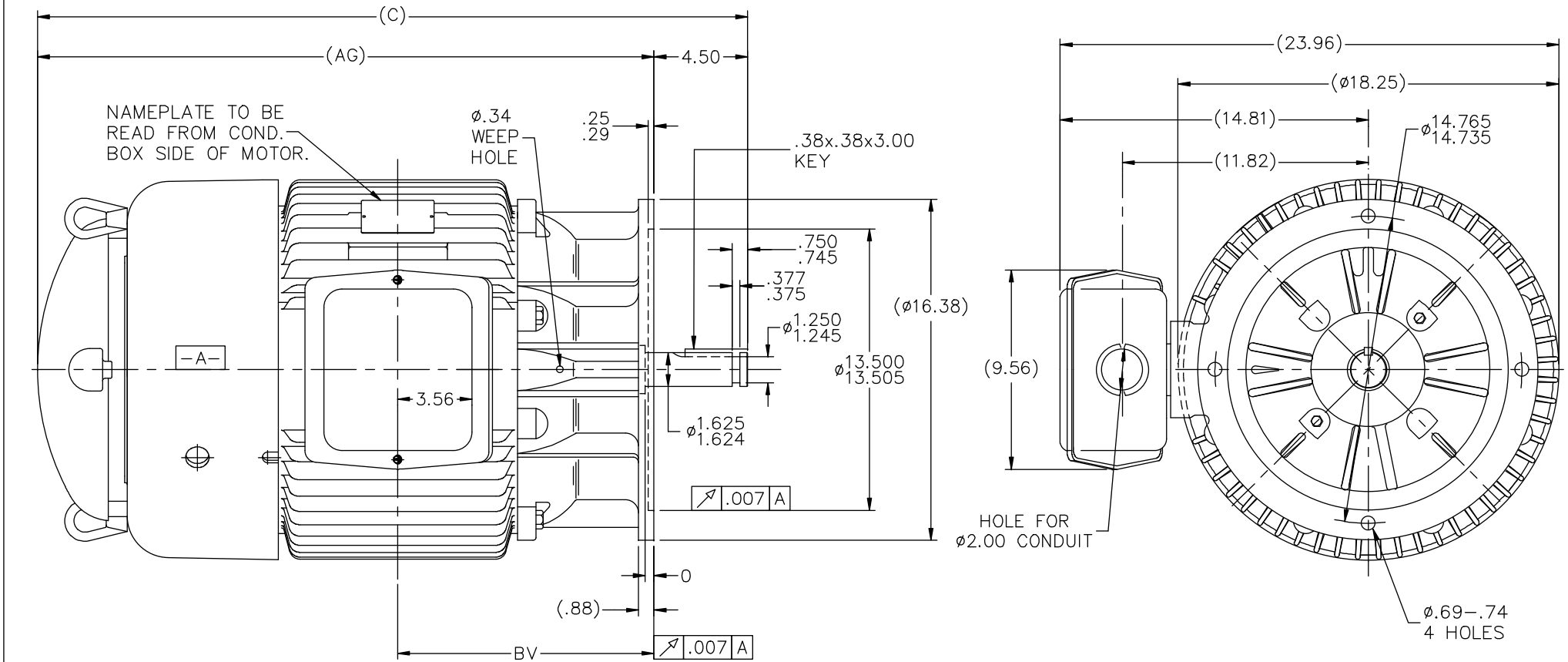
RegalRexnord

Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	73.0/36.5 A	Speed	882 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	326HPV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6311	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	8	Rotation	Reversible
Resistance Main	.28 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	HP	Overall Length	35.62 in
Frame Length	13.00 in	Shaft Diameter	1.625 in
Shaft Extension	4.5 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	B-SS28363-1300	Connection Drawing	A-EE7308



DASH	FRAME	C	AG	BV	
1150	324HP	34.12	29.62	12.31	
1300	326HP	35.62	31.12	13.06	

NO.	REVISION	BY & DATE	CHK	ANG	FINISH	CAD FILE	SIZE	DRAWING NO.	PAGE	OF	REV.
11	REV'D SHAFT EXT. TO .750/.745 ECO-0040538	DRO 10-31-2013									
10	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML	.X	$\pm .1$						
9	REVISED TO NEC CONDUIT BOX CN 28428	BJW 02-04-2000		.XX	$\pm .03$						
8	CORRECTED BOLT LOC. ON REAR BRACKET CN 23468	MJD 09-30-1997		.XXX	$\pm .005$						
7	REVISED EYEBOLT LOCATION CN 23750	MRB 02-05-1997		.XXXX	$\pm .0005$						
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						DIST LB					
						CAD FILE ss28363	B	SS28363	11		



				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	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				
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			DIST WP				A	EE7308			5

CERTIFICATION DATA SHEET

Model#: 326TTFS16106 AN
 CONN. DIAGRAM: A-EE7308
 OUTLINE: B-SS28363-1300

WINDING#: 326836 NONE 3
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
25	18.7	900	882	326HPV	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	73/36.5	PWS LOW VOLTAGE ONLY	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 90.2	3/4 LOAD EFF: 90.2	1/2 LOAD EFF: 88.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 70	3/4 LOAD PF: 63	1/2 LOAD PF: 51	89.5	SQ CAGE IND RUN	42 / 21

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
149 LB-FT	364 / 182	245 LB-FT 164	340 LB-FT 228	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	10.2 LB-FT^2	- LB-FT^2	20 SEC.	-	800 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	FALSE	NONE	TRUE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6311	6311	POLYREX EM	HP	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

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INVERTER TORQUE: NONE
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 07:15:02 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 29-06-2017

Customer:

Attention:

Submitted by: FAREEDA DUDEKULA



326TTFS16106

Submittal

Data @ 460 V

Motor Load Data

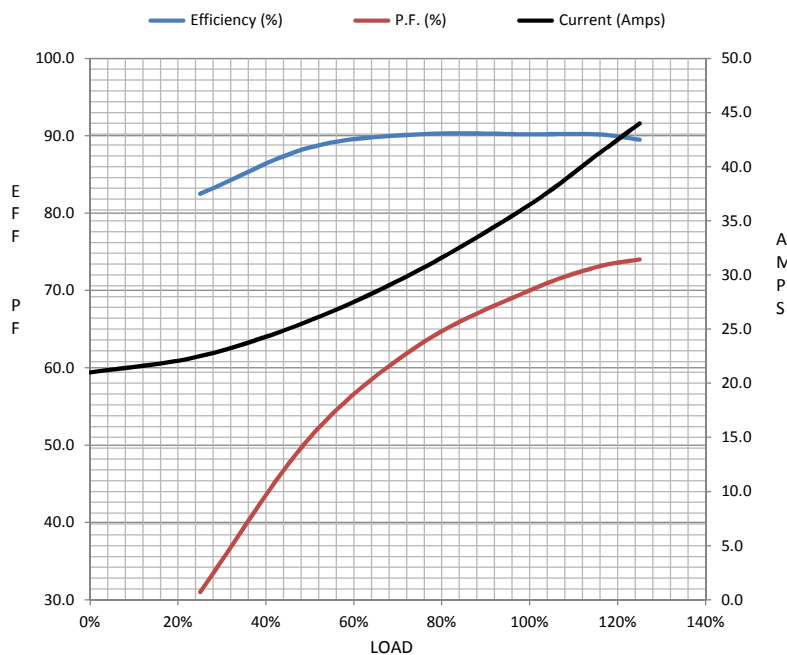
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	21.0	22.5	25.8	30.5	36.5	41.0	44.0	182	
Torque (ft-lb)	0.00	37.0	74.0	111	149	172	188	245	
RPM	900	895	892	885	882	880	875	0	
Efficiency (%)		82.5	88.5	90.2	90.2	90.2	89.5		
P.F. (%)	5.5	31.0	51.0	63.0	70.0	73.0	74.0	34.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	450	820	882	900
Current (Amps)	182	165	110	36.5	21.0
Torque (ft-lb)	245	210	340	149	0.00

Information Block

HP	25.0			
Sync. RPM	900			
Frame	326			
Enclosure	TEFC			
Construction	TFN			
Voltage	230/460 V			
Frequency	60 Hz			
Design	B			
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	10.2 Lb-Ft²			
Ref Wdg	326836 NONE			
Sound Pressure @ 1M	62 dBA			
VFD Rating	NONE			
Outline Dwg	B-SS28363-1300			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1920	0.1580	1.0170	0.8360	11.5830



Speed - Torque Curve

