

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 326TTDN16101

Catalog No: M724

Vertical Pump Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 900 & 750 RPM,
326HPV Frame, DP



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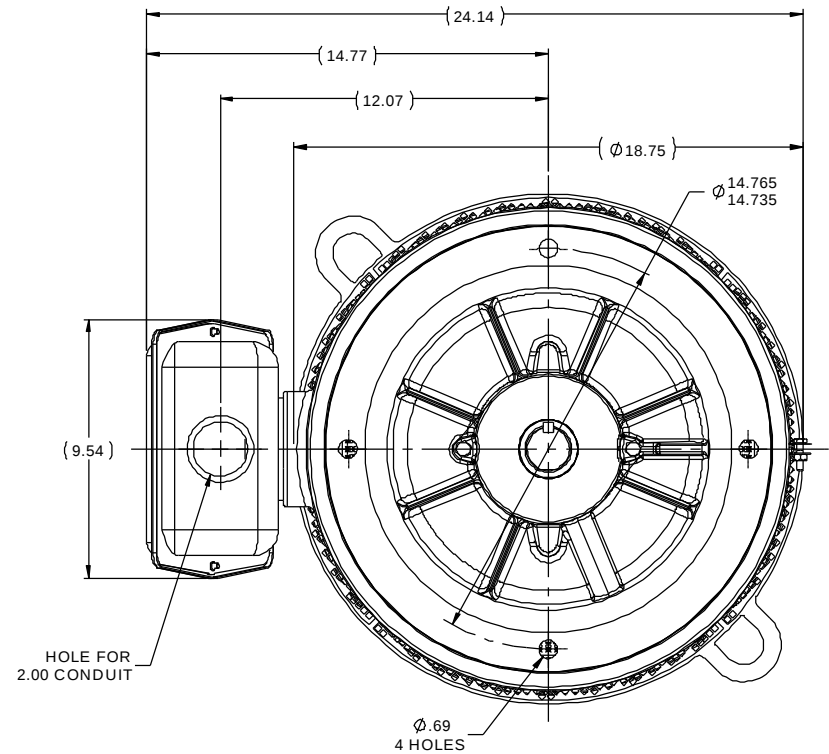
RegalRexnord

Nameplate Specifications

Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	882 & 732 rpm	Service Factor	1.15 & 1.15
Frame	326HPV	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	73/36.5 & 71/35.5 A	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	F
Drive End Bearing Size	6311	Opp Drive End Bearing Size	7311
UL	Recognized	CSA	Y
CE	Y	IP Code	23
Number of Speeds	1		

Technical Specifications

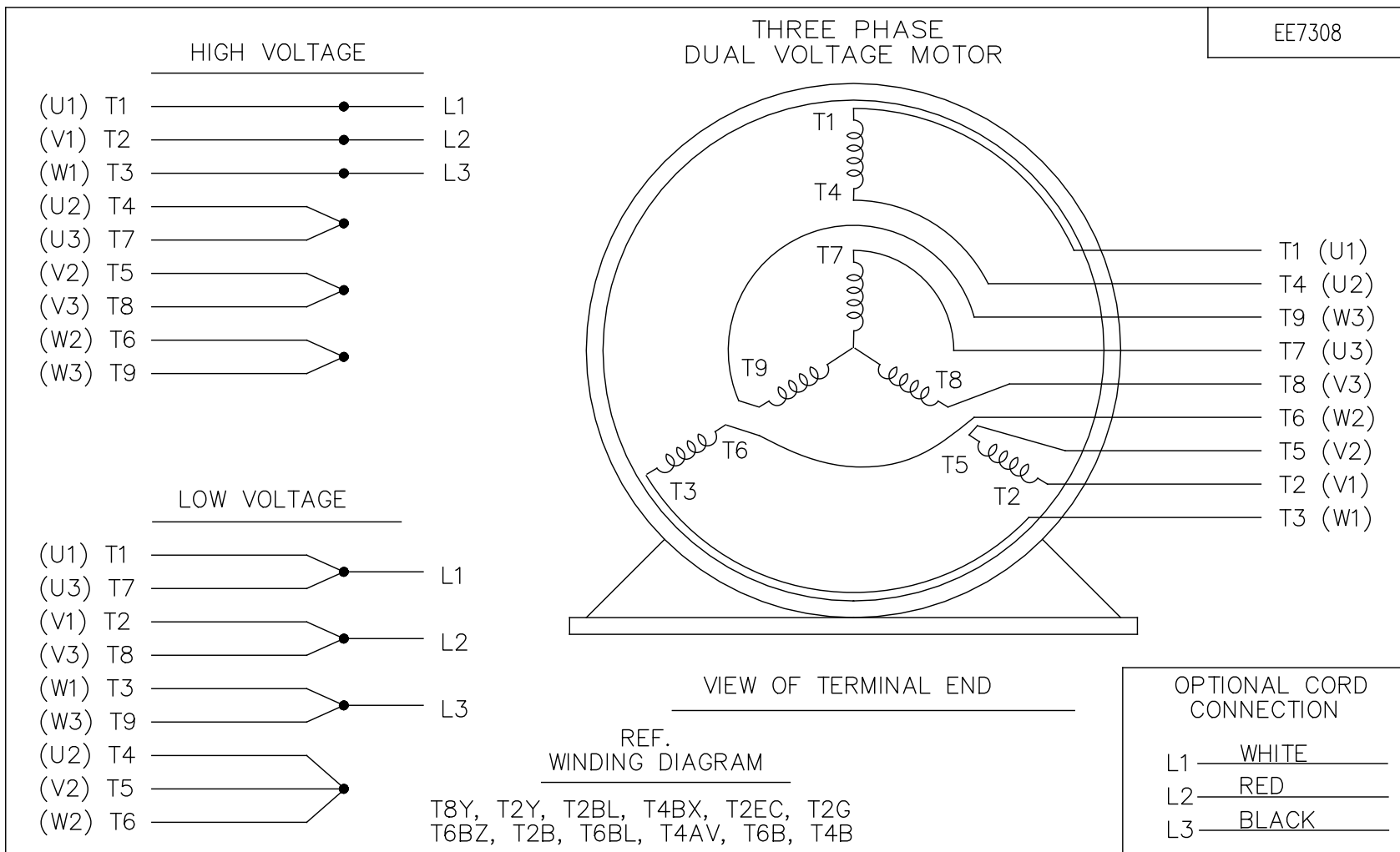
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	8	Rotation	Reversible
Resistance Main	.295 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	HP	Overall Length	31.93 in
Frame Length	16.12 in	Shaft Diameter	1.625 in
Shaft Extension	4.50 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308	Outline Drawing	B-SS312503-1612



- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATES TO BE READ FROM SHAFT EXTENSION END OF MOTOR.

DASH	FRAME	C	AG	BV			
1612	284/6HP	31.93	27.43	14.81			

				TOLERANCES UNLESS SPECIFIED		DRAWN TJW 4/22/2013
			DEC INCHES			CHK CTO 5/1/2013
			X ±.1			APPR LMC 5/1/2013
			XX ±.03	TITLE OUTLINE		SCALE 7:32
			XXX ±.005	320HP FR. - P'BASE - VERT. DR.PR.		REF SS28314
			XXXX ±.0005	MAT'L		FMF MU112462
NO	REVISION	BY & DATE	CHK ANG ±7/30"	FINISH	PAGE OF	
	THIRD ANGLE PROJECTION		RFP 5/1/2013	PREV	SIZE B	DRAWING NO SSS312503
			NETWORK FILE NAME	SS312503		REV



NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED		DRAWN RM	11/20/1990
					DEC.	INCHES		
5	CHG TO REGAL LOGO	SL 09/10/2015	AB				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		REF	
1	REDRAWN	RM 11/20/1990		.XXXX	±.0005		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 A	DRAWING NO. EE7308
					DIST WP			PAGE 5



Regal Beloit America, Inc.

TITLE CONNECTION DIAGRAM
3Ø – DUAL VOLTAGE MOTOR



P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311

DATA VOLTS: 460

CERTIFICATION DATA SHEET

CUSTOMER: _____ CUSTOMER P.O. #: _____
ORDER #: _____ REFERENCE MODEL #: 326TTDN16101
CONN. DIAGRAM: A-EE7308 CAT #: M724
OUTLINE: B-SS312503-1612 CUSTOMER PART #: _____
WINDING: 326851 R1 1 MOUNTING: F1/F2 CAPABLE
SPEED: _____

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
25	18.7	900	882	326HPV	DP	TDN	F	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#190/380	73/36.5&71/35.5	LINE OR INVERTER	CONT	F	1.15	40	3300

F.L. EFF	91.0	3/4 LD EFF	91.0	1/2 LD EFF	89.5	GTD EFF	90.2	ELECT. TYPE	SQ CAGE INV RATED
F.L. PF	70.0	3/4 LD PF	65.0	1/2 LD PF	53.0				

F.L. TORQUE	LR AMPS @ 460 V	L.R. TORQUE	B.D. TORQUE	F.L. RISE (°C)	
150 LB-FT	160	195 LB-FT 130%	300 LB-FT 200%	60	

@ 3 FT.	POWER	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	MOTOR WGT
64 dBA	73 dBA	9.7 LB-FT²	0 LB-FT²	20 SEC.	0	675 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
P-BASE	STANDARD	ROUND	SHAFT DOWN	NO	NONE	YES	RODENT	BLUE (ENAMEL)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE ODE						
BALL BEARING	POLYREX EM	HP	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6311 7311						

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	FLOAT
0.193	0.159	1.362	1.192	13.336	0.150	DE

* N O T E S *		INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE	NONE PPR

PREPARED BY: FAREEDA DUDEKULA DATE: 9/11/2018	BRAKE: NONE NONE NONE	NONE
	FT-LB: NA	
	VOLTAGE: NONE	HZ:
	UL: V-INS, CONST UL REC	

FORM: 3531 REV_4 2/27/06

Data Sheet

Date: 11/30/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



326TTDN16101

Submittal

Data @ 460 V

Motor Load Data

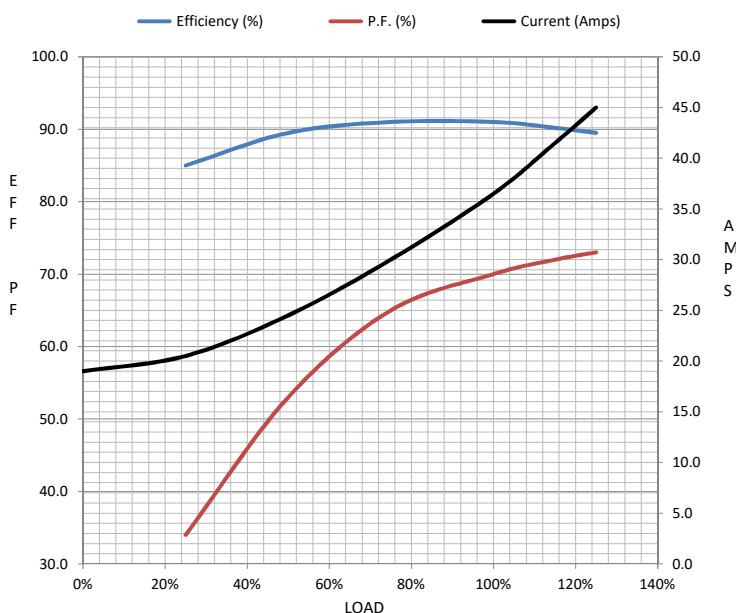
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	19.0	20.5	24.5	30.0	36.5	41.5	45.0	160	
Torque (ft-lb)	0.00	36.8	73.5	112	150	172	188	195	
RPM	900	895	892	888	882	878	875	0	
Efficiency (%)		85.0	89.5	91.0	91.0	90.2	89.5		
P.F. (%)	5.0	34.0	53.0	65.0	70.0	72.0	73.0	31.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	450	825	882	900
Current (Amps)	160	135	95.0	36.5	19.0
Torque (ft-lb)	195	175	300	150	0.00

Information Block

HP	25.0			
Sync. RPM	900			
Frame	326			
Enclosure	DP			
Construction	TDS			
Voltage	230/460#190/380		V	
Frequency	60		Hz	
Design	B			
LR Code letter	F			
Service Factor	1.15			
Temp Rise @ FL	60		° C	
Duty	CONT			
Ambient	40		° C	
Elevation	1,000		feet	
Rotor/Shaft wk ²	9.7		Lb-Ft ²	
Ref Wdg	326851	R1		
Sound Pressure @ 1M	64		dBA	
VFD Rating	VARIABLE 10:1			
Outline Dwg	B-SS312503-1612			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1930	0.1590	1.3620	1.1920	13.3360



Speed -Torque Curve

