

PRODUCT INFORMATION PACKET

Model No: 324TTFS14003

Catalog No: M904A

Vertical Pump Motors, Totally Enclosed Fan Cooled, 40 HP, 3 Ph, 60 Hz, 230/460 V, 3555 RPM,
324HPV Frame

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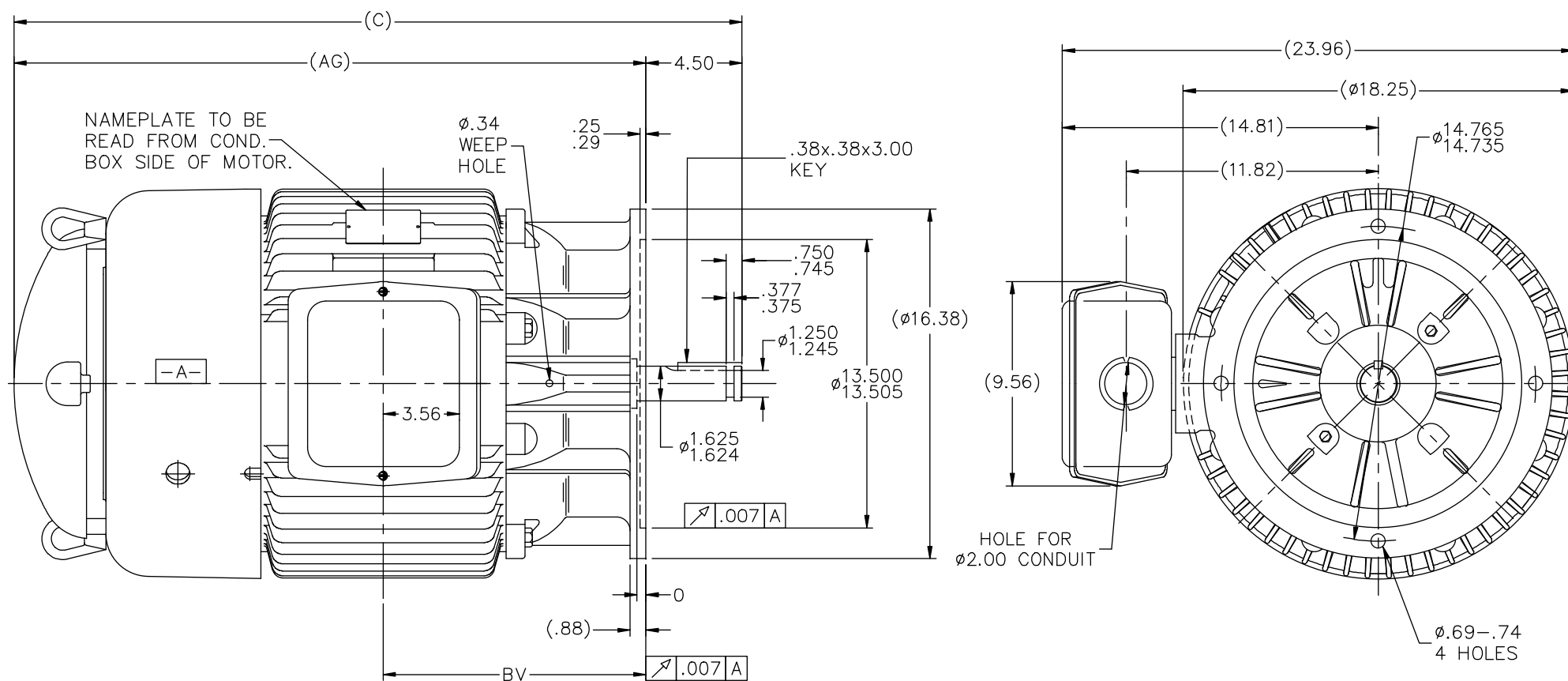


Nameplate Specifications


Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	92.0/46.0 A	Speed	3555 rpm
Service Factor	1.15	Phase	3
Efficiency	92.4 %	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Frame	324HPV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	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	2	Rotation	Reversible
Resistance Main	.157 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	1.630 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	

			TOLERANCES UNLESS SPECIFIED				DRAWN DRS 11-22-1996	
11	REV'D SHAFT EXT. TO .750/.745 ECO-0040538	DRO 10-31-2013	DEC.	INCHES			CHK	ML 11-27-1996
10	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML	±.1			APPD	GK 11-27-1996
9	REVISED TO NEC CONDUIT BOX CN 28428	BJW 02-04-2000	.XX	±.03	TITLE OUTLINE 320HP FR. - BB - TS - TEFC		SCALE	7=32
8	CORRECTED BOLT LOC. ON REAR BRACKET CN 23468	MJD 09-30-1997	.XXX	±.005			REF	
7	REVISED EYEBOLT LOCATION CN 23750	MRB 02-05-1997	.XXXX	±.0005	MAT'L	FMF		
NO.	REVISION	BY & DATE	CHK	ANG ±7°30"	FINISH	PREV		
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					B	SS28363	11	



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		FMF	
					±7'30"		PREV	
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					DIST WP		A	EE7308 5

CERTIFICATION DATA SHEET

Model#: 324TTFS14003 AN
CONN. DIAGRAM: A-EE7308
OUTLINE: B-SS28363-1300

WINDING#: 326277 NONE 1
ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40	30	3600	3555	324HPV	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	92/46	ACROSS THE LINE	CONTINUOUS	F3	1.15	40	3300

FULL LOAD EFF: 92.4	3/4 LOAD EFF: 92	1/2 LOAD EFF: 91.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 89	3/4 LOAD PF: 86.5	1/2 LOAD PF: 80.5	91	SQ CAGE IND RUN	27 / 13.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59 LB-FT	564 / 282	88 LB-FT 149	155 LB-FT 263	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	4.9 LB-FT^2	- LB-FT^2	20 SEC.	-	625 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

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 05:05:43 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet

Date: 12/13/2018

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA

324TFS14003



Submittal

Data @ 460 V

Motor Load Data

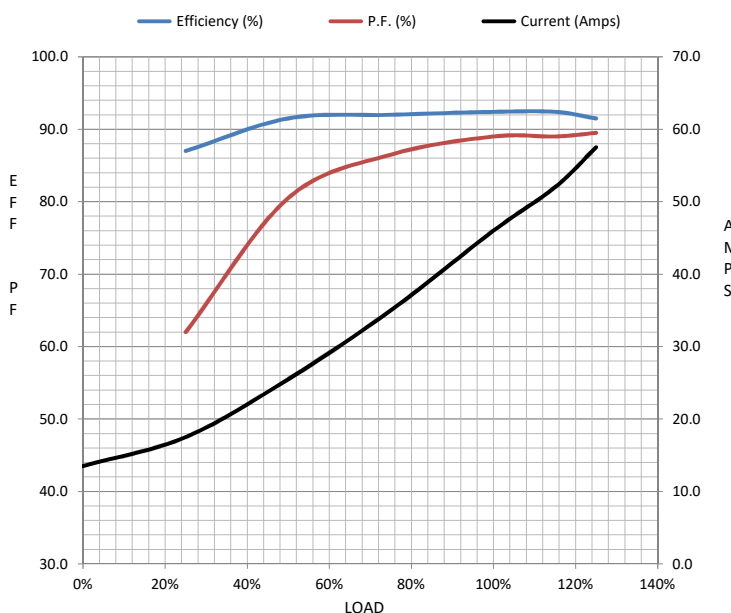
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	13.5	17.5	25.5	35.0	46.0	52.0	57.5	282	
Torque (ft-lb)	0.00	14.5	29.5	44.5	59.0	66.0	74.0	88.0	
RPM	3600	3590	3580	3565	3555	3,547	3540	0	
Efficiency (%)		87.0	91.5	92.0	92.4	92.4	91.5		
P.F. (%)	15.0	62.0	80.5	86.5	89.0	89.0	89.5	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1778	3370	3555	3600
Current (Amps)	282	254	170	46.0	13.5
Torque (ft-lb)	88.0	74.8	155	59.0	0.00

Information Block

HP	40.0			
Sync. RPM	3600			
Frame	324			
Enclosure	TEFC			
Construction	TFS			
Voltage	230/460	V		
Frequency	60	Hz		
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	75	° C		
Duty	CONT			
Ambient	40	° C		
Elevation	1,000	feet		
Rotor/Shaft wk²	4.9	Lb-Ft²		
Ref Wdg	326277	NONE		
Sound Pressure @ 1M	75	dBA		
VFD Rating	NONE			
Outline Dwg	B-SS28363-1300			
Conn. Diag	A-EE7308			
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.1310	0.0760	0.5800	0.4830	21.3530



Speed-Torque Curve

