

PRODUCT INFORMATION PACKET

Model No: 326TSTGS6501
Catalog No: E569
50,3600,EPFC,326TS,3/60/230/460
Explosion Proof



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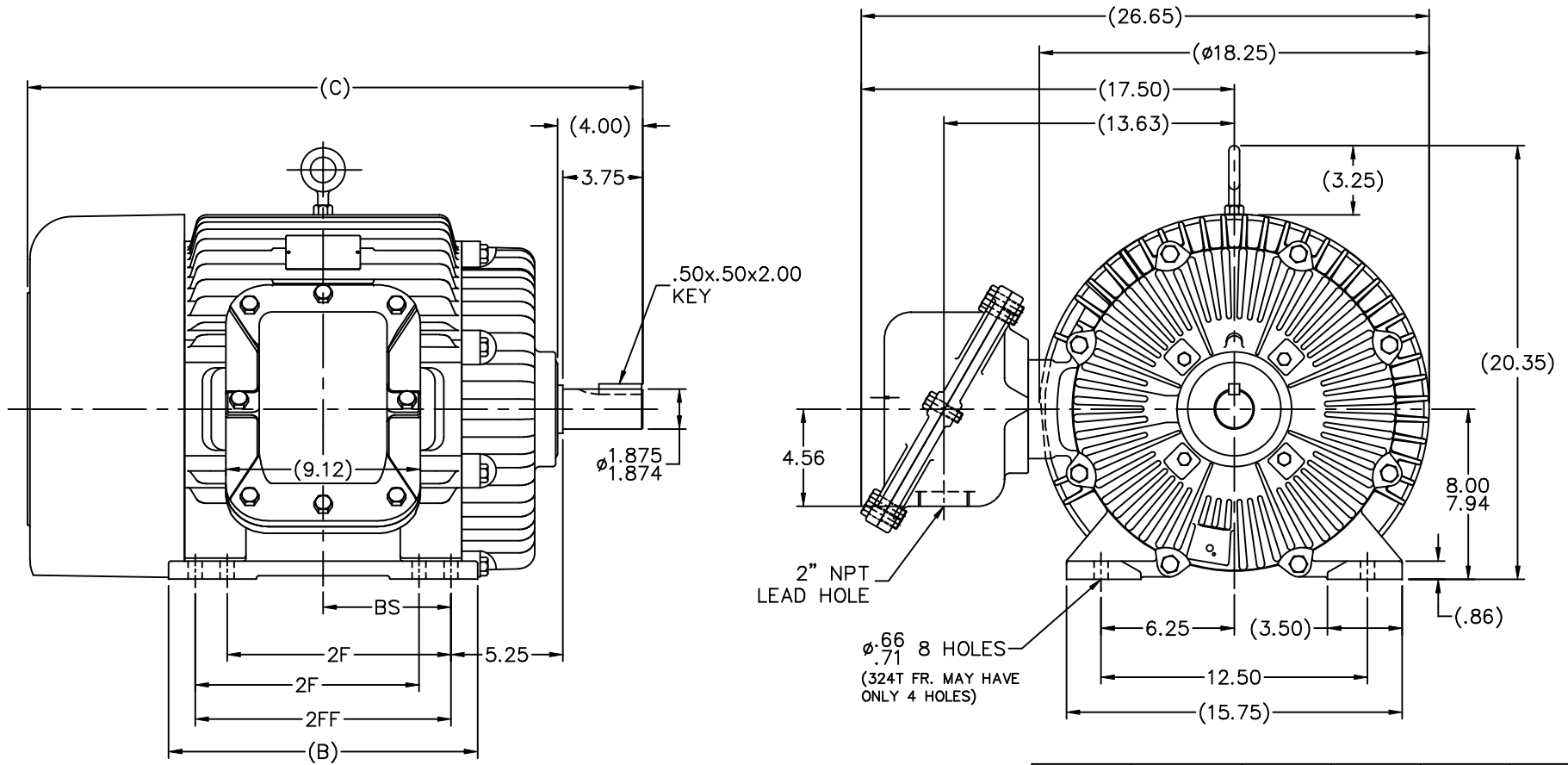


Nameplate Specifications

Output HP	50 Hp	Output KW	37 kW
Frequency	60 Hz	Voltage	230/460 V
Current	118/59 A	Speed	3555 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Duty	CONTINUOUS
Insulation Class	F	Design Code	B
KVA Code	G	Frame	326TS
Enclosure	EPFC	Overload Protector	NOT
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6311	UL	No
CSA	N	CE	N
IP Code	54		

Technical Specifications

Electrical Type	SQ CAGE INV RATED	Starting Method	LINE OR INVERTER
Poles	2	Rotation	REV
Mounting	RIGID	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	CAST IRON	Shaft Type	TS
Overall Length	30.37 in	Frame Length	14.5 in
Shaft Diameter	1.88 in	Shaft Extension	4 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	B-SS301044-1450	Connection Diagram	A-EE7308AD

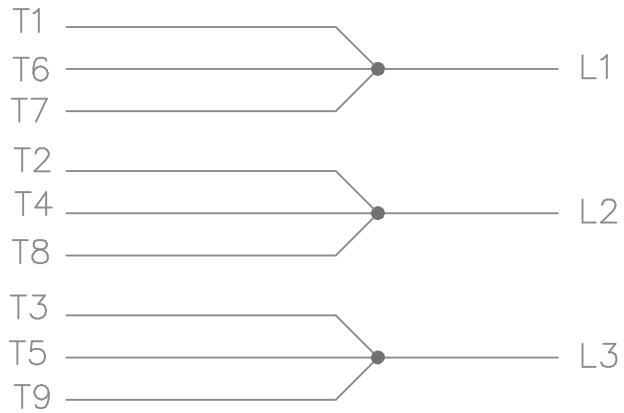


	DASH	FRAME	B	C	2F	2FF	BS
07-13-071150		324TS	13.00	27.37	10.50	--	5.25
07-13-071300		324/6TS	14.50	28.87	10.50	12.00	6.00
		1450	326TS	15.00	30.37	12.00	6.75

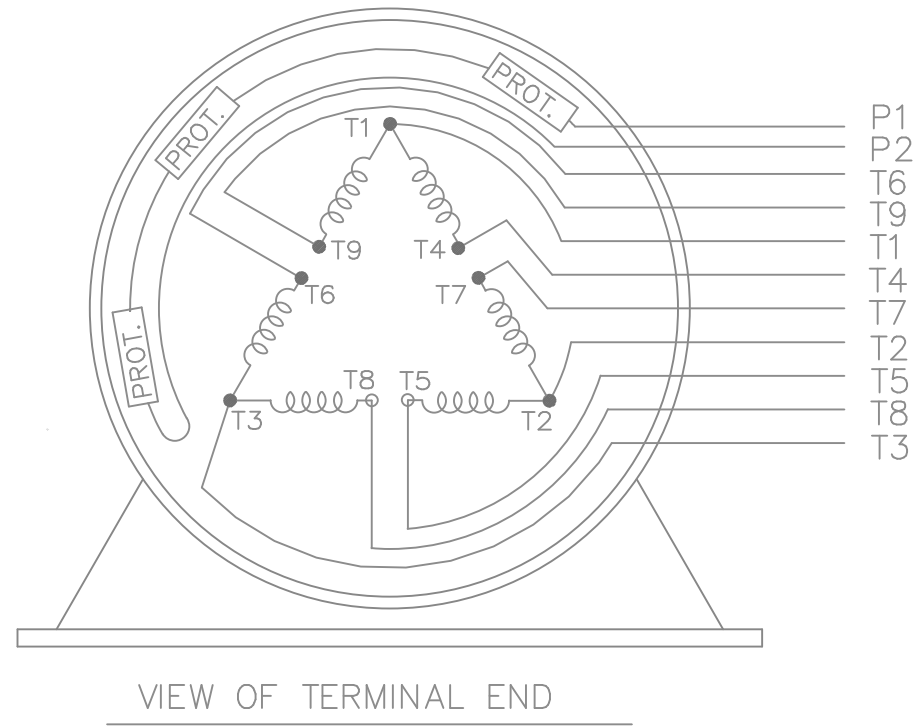
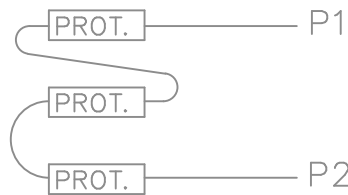
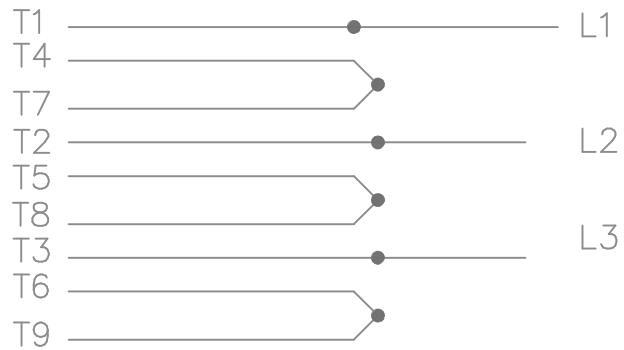
- NOTES:
1. BOX CAN BE ROTATED IN 90° STEPS.
 2. BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

6	REM'VD PIPE NIPPLE FROM REAR VIEW MUB0542	RWR 07-11-2007	ML	TOLERANCES UNLESS SPECIFIED		DRAWN DAH 05-09-2001				
5	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	DEC. INCHES		CHK ML 05-09-2001				
4	UPDATED DASH TABLE	DRS 12-14-2001	ML	.X ±.1	TITLE OUTLINE	APPD DD 05-09-2001				
3	REVISED TO SHOW C' BOX NIPPLE CN 31398	HLB 12-07-2001	DRS	.XX ±.03	320TS FR. - BB - TS - EXP.PR.	SCALE 1=5				
2	ADDED "2FF" DIMENSIONS MU37180	DAH 05-14-2001	ML	.XXX ±.005	MATL	REF				
1	NEW DRAWING MU37180	DAH 05-09-2001	ML	.XXXX ±.0005	FINISH	FMF				
NO.	REVISION	BY & DATE	CHK	ANG ±7'30"		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 ss301044	SIZE B	DRAWING NO. SS301044	PAGE OF	REV. 6
					DIST LB					

LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

WHEN MORE THAN ONE PROT. IS USED; PROT. ARE CONNECTED IN SERIES

				TOLERANCES UNLESS SPECIFIED			DRAWN MJD 12-19-1997					
				DEC.	INCHES		CHK ML 01-07-1998					
				.X	±.1	APPD GK 01-07-1998						
				.XX	±.02	SCALE						
8	HIGH VOLT. SCHEMATIC WAS L1, L3 & L3	CN 32724	DRS 06-12-2004	ML	.XXX	±.005	REF					
7	REDRAWN ON CADD		MJD 01-07-1998		.XXXX	±.0005	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	PREV						
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				DIST	WA-LB			A	EE7308AD			8

** Subject to change without notice.

Data Sheet

Date: 20-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



326TSGS6501

Submittal

Data @ 460 V

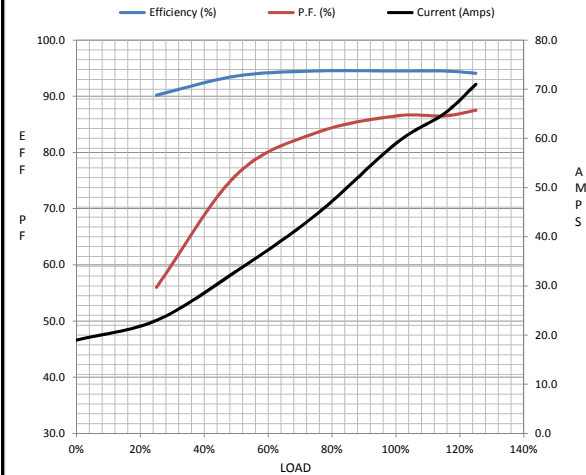
Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR
Current (Amps)	19.0	23.0	33.0	44.5	59.0	65.0	71.0	362
Torque (ft-lb)	0.00	18.5	36.5	55.0	73.5	83.0	92.5	128
RPM	3600	3592	3582	3570	3555	3.550	3547	0
Efficiency (%)		90.2	93.6	94.5	94.5	94.5	94.1	
P.F. (%)	15.0	56.0	76.0	83.5	86.5	86.5	87.5	30.0

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	2000	3350	3555	3600
Current (Amps)	362	338	232	59.0	19.0
Torque (ft-lb)	128	113	209	73.5	0.00

Information Block				
HP	50.0			
Sync. RPM	3600			
Frame	326			
Enclosure	TEFC			
Construction	TFN			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	B			
LR Code letter	G			
Service Factor	1.15			
Temp Rise @ FL	65 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	5.8 Lb-FT ²			
Ref Wdg	326281 NONE			
Sound Pressure @ 1M	75 dBA			
VFD Rating	CONSTANT 10:1			
Outline Dwg	B-SS301044-1450			
Conn. Diag	A-EE7308AD			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0180	0.0120	0.1130	0.0960	3.3940



Speed -Torque Curve

