PRODUCT INFORMATION PACKET

Model No: 324TSTGS6501 Catalog No: E566 Explosion Proof Motor, 40 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 324TS Frame, EPFC



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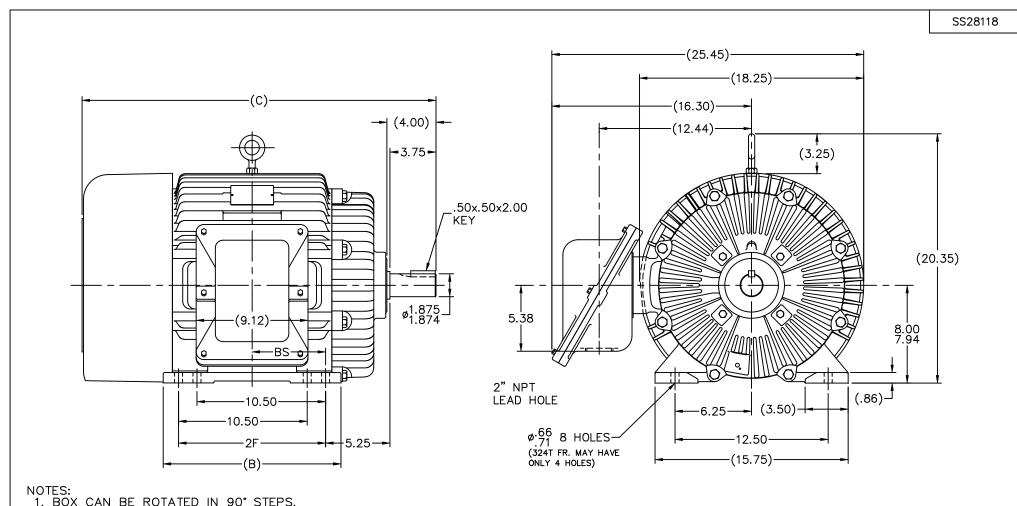
Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	94.0/47.0 A	Speed	3545 rpm
Service Factor	1	Phase	3
Efficiency	93.6 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	324TS	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Ambient Temperature	50 °C
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	UL Listed And CSA Certified	CSA	Y
CE	N	IP Code	54
Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.122 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Overall Length	28.87 in
Frame Length	13.00 in	Shaft Diameter	1.875 in
Shaft Extension	4 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 2:1		
Outline Drawing	B-SS28118-1300	Connection Drawing	A-EE7308AD

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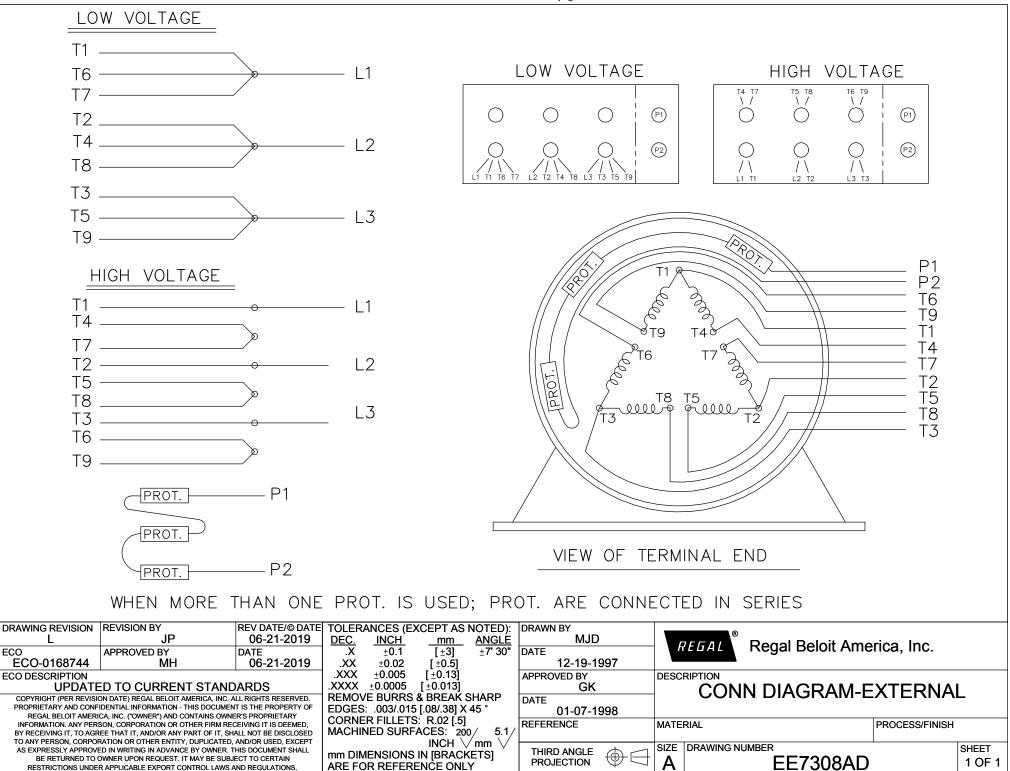


- BOX CAN BE ROTATED IN 90° STEPS.
 BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

	DASH	FRAME	В	С	2F	BS
	1150	324TS	13.00	27.37	10.50	5.25
	1300	324TS	14.50	28.87	12.00	6.00
	1300	326TS	14.50	28.87	12.00	6.00
ر ا	0-1 00 1450	326TS	15.00	30.37	12.00	6.75
<i>(</i> b).						

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					TOL	ERANCES S SPECIFIED		DRAWN	MRB 09-0	5-1995
					DEC.	INCHES		СНК	DA 09-0	5-1995
7	7	REDRAWN IN AUTOCAD	TAT 07-06-2004	ML	.x	±.1		APPD	GK 09-06	j—1995
E	3	ADDED DASH 1300 324TS FR. MU25460	MJD 06-07-1999		.xx	±.03	UTLINE OUTLINE	SCALE	1=5	j.
[5	ADDED DUAL DRILLING CN 26835	DRS 04-29-1999		.xxx	±.005	320TS FR. – BB – TS – EXP.PR.			
[4	4	REDRAWN ON CADD	MRB 09-06-1995		.xxxx	±.0005	MAT'L.	FMF		
	10.	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH	PREV		
Г	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT			RFP			CAD FILE ss28118 SIZE DRAWING N			REV.
	IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				LB		BS	5281	18	7

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CERTIFICATION DATA SHEET

Model#:	324TSTGS6501 BS	WINDING#:	324248 NONE 6
CONN. DIAGRAM:	A-EE7308AD	ASSEMBLY:	F1 ONLY
OUTLINE:	B-SS28118-1300		

TYPICAL MOTOR PERFORMANCE DATA

HP	ĸw	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
40&30	30&22.4	3600	3545&2955	324TS	EPFC	G	В
				. <u> </u>			

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	94/47&83/41.5	LINE OR	CONTINUOU	F3	1.15/1.15	40	3300
		380		INVERTER	S			J	

FULL LOAD EFF: 93.6&94.1	3/4 LOAD EFF: 93.6	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 85&85.5	3/4 LOAD PF: 83	1/2 LOAD PF: 76	93	SQ CAGE INV RATED	29.4 / 14.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
59.5 LB-FT	550 / 275	91.5 LB-FT 154	157 LB-FT 264	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
72 dBA	82 dBA	4.9 LB-FT^2	25 LB-FT^2	15 SEC.	2	625 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM	EXP PROOF CL	FALSE	NONE	BLUE (EPOXY)
				SEVERE DUTY	I GR C&D CL II			
					GR F&G T3B			

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	TS	NONE	NONE	1045 HOT	CAST IRON
6312	6311]				ROLLED (C-204)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 10:1 INV. HP SPEED RANGE: NONE						
ENCODI NONE	ER: NONI NONE	E				
NONE	NONE PP	R				
BRAKE:	NONE	NONE				
NONE	P/N N	NONE				
NONE	NONE	E				
- FT-LB	NC	DNE V	NONE Hz			

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