PRODUCT INFORMATION PACKET



Model No: 324TSTGS6501 Catalog No: E566

Hazardous Duty® Explosion Proof Motor, 40 & 30 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

3600 & 3000 RPM, 324TS Frame, EPFC



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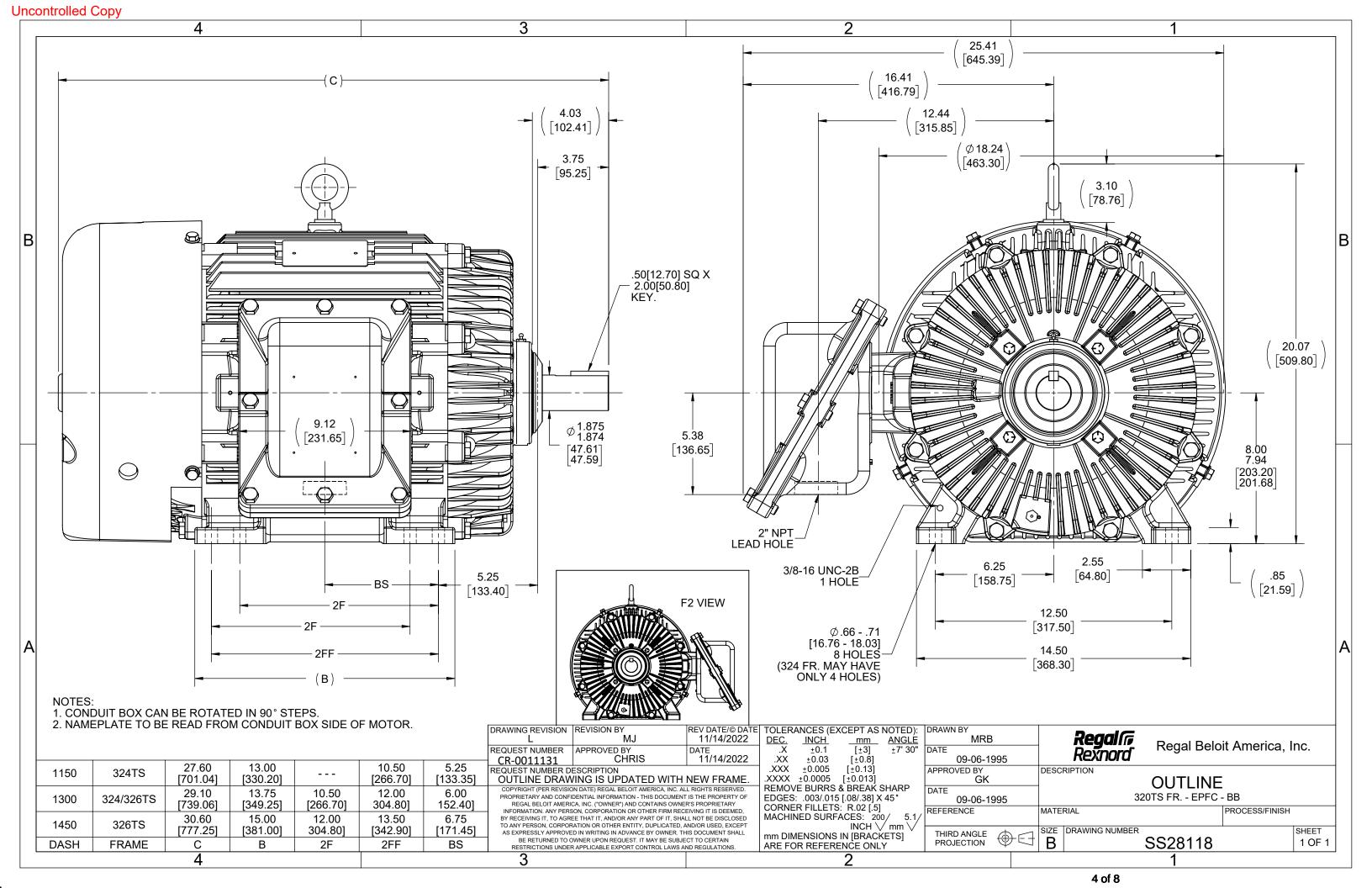
Nameplate Specifications

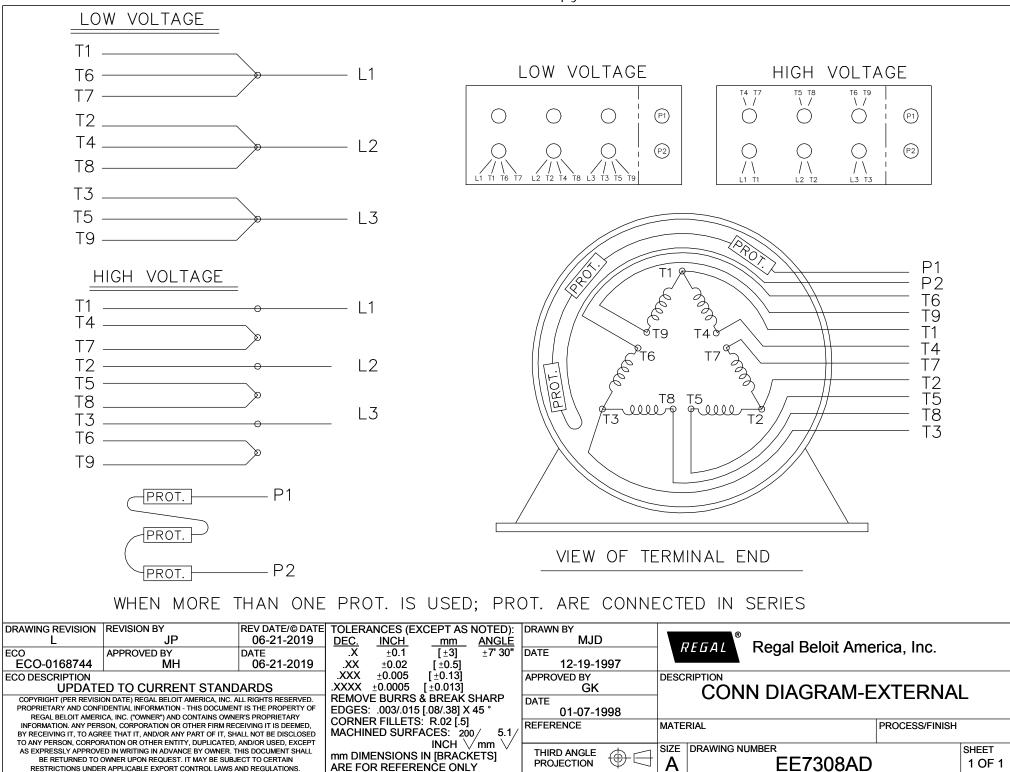
Phase	3	Output HP	40 & 30 Hp
Output KW	30.0 & 22.4 kW	Voltage	230/460 & 190/380 V
Speed	3545 & 2955 rpm	Service Factor	1.00 & 1.00
Frame	324TS	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	93.6 & 94.1 %
Ambient Temperature	50 °C	Frequency	60 & 50 Hz
Current	94/47 & 83/41.5 A	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6311
UL	UL Listed And CSA Certified	CSA	Υ
CE	N	IP Code	54
Number of Speeds	1	Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C

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	тѕ	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 10:1		
Connection Drawing	A-EE7308AD	Outline Drawing	B-SS28118-1300

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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	KW	s	YNC. RPM	F.L. RPM	FRAME	ENCLOS	SURE	(VA CODE	DESIGN
40&30	30&2	2.4	3600	3545&2955	324TS	EPF	с	G	В
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
	00/50	000/400/40	04/47000/44	- LINE OB	CONTINUOU	F0	4.45/4.45		0000

]	380		INVERTER) <u> </u>]			
FULL LOAI	DEEE. 2	3/4 LOAD EFF: 93.6 1/2 LOA		ND EEE, 02.4	GTD. EI		ELEC. TYPE	NO L	DAD AMPS

						93.6&94.1
29.4 / 14.7	V RATED 29.4 / 14.7	SQ CAGE INV RATED	93	1/2 LOAD PF: 76	3/4 LOAD PF: 83	FULL LOAD PF: 85&85.5
	20.17				J	

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			

BEAF	BEARINGS		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-PROTECTORS				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

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE NONE P/N NONE NONE NONE

- FT-LB NONE V NONE Hz

*
NOTES

DATE: 06/21/2017 03:53:55 AM FORM 3531 REV.3 02/07/99

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