PRODUCT INFORMATION PACKET



Model No: 324TTGS16577 Catalog No: U048A

Hazardous Duty® Explosion Proof Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,

1200 & 1000 RPM, 324T Frame, EPFC



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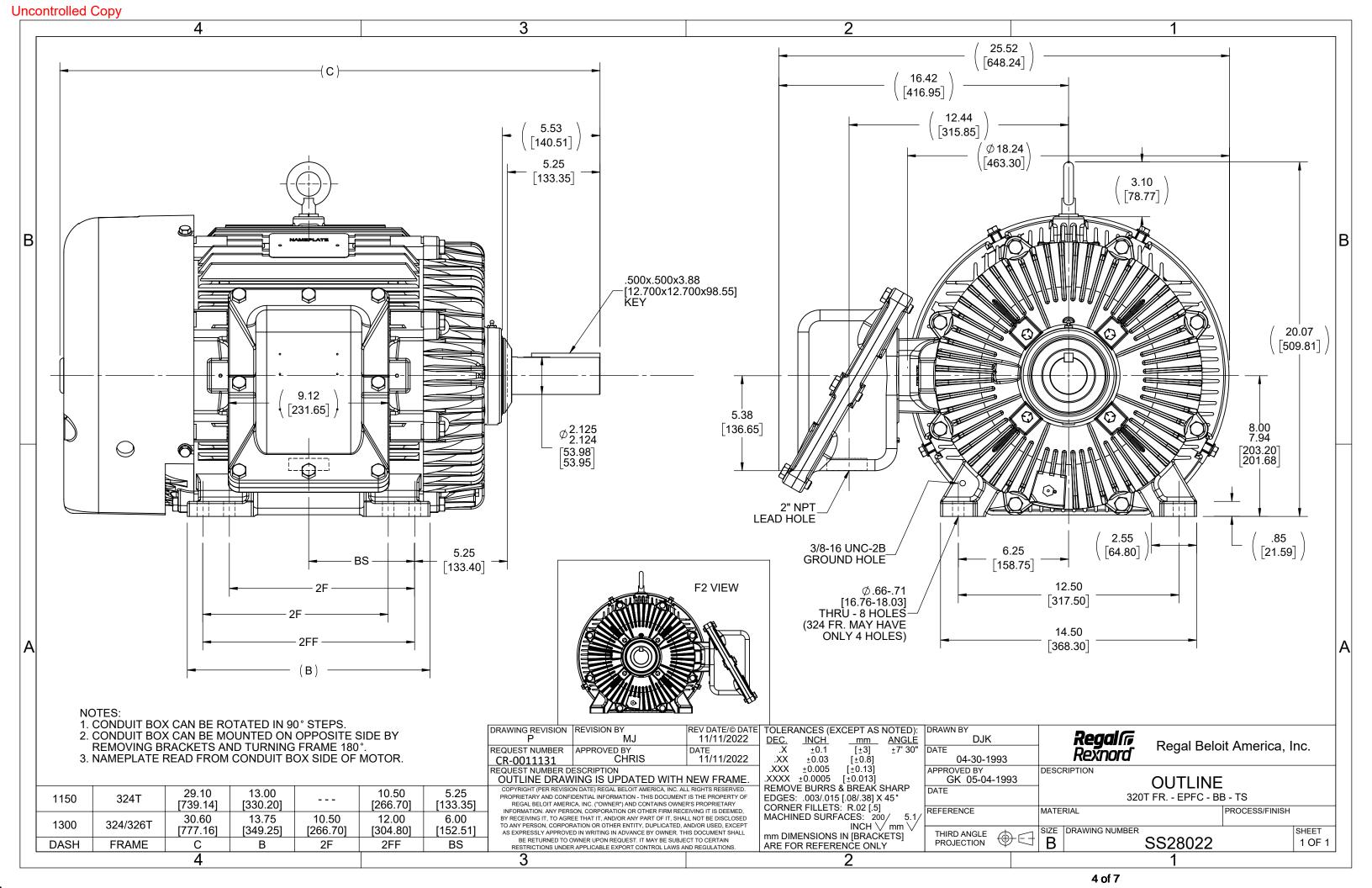
Nameplate Specifications

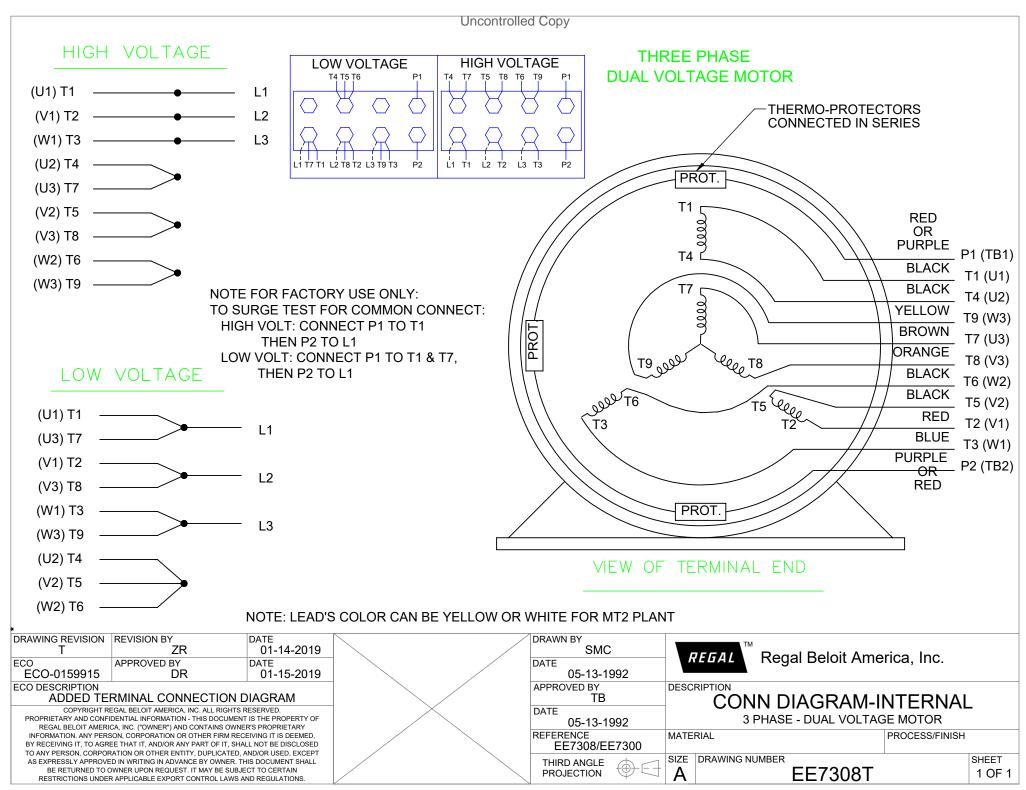
Phase	3	Output HP	25 & 20 Hp
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
Speed	1182 & 982 rpm	Service Factor	1.15 & 1.15
Frame	324T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	93 & 92.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	65/32.5 & 63/31.5 A	Power Factor	78
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	EXP PROOF CL I GR C&D CL II GR F&G T3B

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter	
Poles	6	Rotation	Reversible	
Resistance Main	.255 Ohms	Mounting	Rigid Base	
Motor Orientation	Horizontal	Drive End Bearing	Ball	
Opp Drive End Bearing	Ball	Frame Material	Cast Iron	
Shaft Type	Т	Overall Length	29.10 in	
Frame Length	11.50 in	Shaft Diameter	2.125 in	
Shaft Extension	5.53 in	Assembly/Box Mounting	F1 ONLY	
Inverter Load	CONSTANT 10:1			
Connection Drawing	A-EE7308T	Outline Drawing	B-SS28022-1150	

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CERTIFICATION DATA SHEET

 Model#:
 324TTGS16577 AN
 WINDING#:
 324679 NONE 3

 CONN. DIAGRAM:
 A-EE7308T
 ASSEMBLY:
 F1 ONLY

OUTLINE: B-SS28022-1150

TYPICAL MOTOR PERFORMANCE DATA

НР	KV	y SYI	NC. RPM	F.L. RPM	FRAME	ENCLOS	SURE K	VA CODE	DESIGN
25&20	18.7&	14.9	1200	1182&982	324T	EPF	с	G	В
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
	00/50		05/00 5000/04					7	

	3	60/50	230/460#190/	65/32.5&63/31	LINE OR	CONTINUOU	F3	1.15/1.15	40	3300
			380	5	INVERTER	S				
_										
							I			

FULL LOAD EFF: 93&92.4	3/4 LOAD EFF: 93	1/2 LOAD EFF: 92.4	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78&78	3/4 LOAD PF: 73	1/2 LOAD PF: 63	92.4	SQ CAGE INV RATED	28 / 14

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
112 LB-FT	364 / 182	175 LB-FT 156	300 LB-FT 268	55

	PRESSURE 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
56	dBA	66 dBA	8.5 LB-FT^2	425 LB-FT^2	20 SEC.	2	650 LBS.

*** SUPPLEMENTAL INFORMATION ***

	ODE BRACKET		ORIENTATION		HAZARDOUS	DRIP	SCREENS	PAINT
TYPE	TYPE	TYPE		DUTY	LOCATION	COVER		
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	Т	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

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE NONE P/N NONE NONE NONE

- FT-LB NONE V NONE Hz

N O T E S

> DATE: 06/21/2017 05:45:46 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.

