PRODUCT INFORMATION PACKET

Model No: 324TSTGS16531 Catalog No: U078A

Explosion Proof Motor, 40 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 324TS Frame, EPFC



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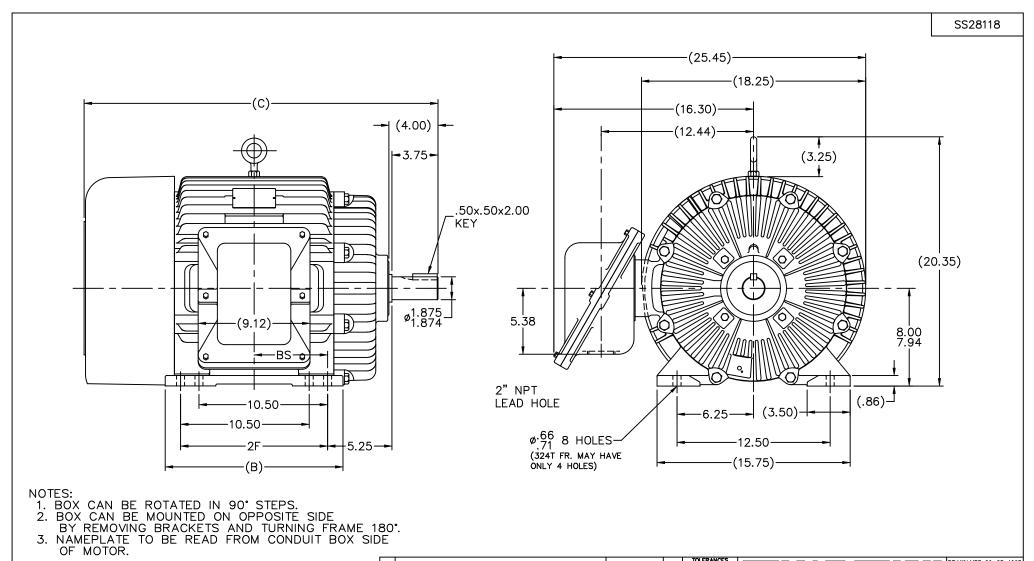
Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	95.0/47.5 A	Speed	1780 rpm
Service Factor	1	Phase	3
Efficiency	94.1 %	Power Factor	83
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	Υ
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

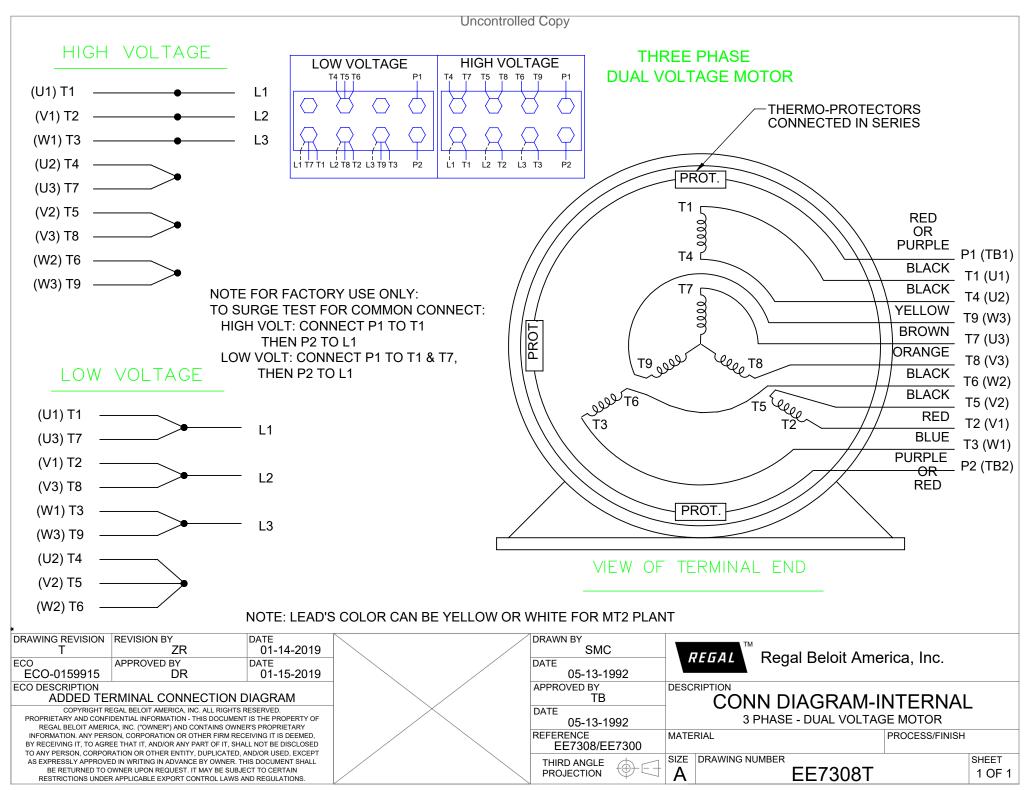
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter	
Poles	4	Rotation	Reversible	
Resistance Main	.135 Ohms	Mounting	Rigid Base	
Motor Orientation	Horizontal	Drive End Bearing	Ball	
Opp Drive End Bearing	Ball	Frame Material	Cast Iron	
Shaft Type	тѕ	Overall Length	28.87 in	
Frame Length	13.00 in	Shaft Diameter	1.875 in	
Shaft Extension	4 in	Assembly/Box Mounting	F1 ONLY	
Inverter Load	VARIABLE 10:1			
Outline Drawing	B-SS28118-1300	Connection Drawing	A-EE7308T	

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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
ը- ^{դաւ 1450}	326TS	15.00	30.37	12.00	6.75

						UNLES	ERANCES S SPECIFIED		DRAWN I	IRB 09-0!	5-1995
						DEC.	INCHES			DA 09-06	i-1995
	7	REDRAWN IN AUTOCAD		TAT 07-06-2004	ML	.x	±.1		APPD	GK 09-06	-1995
	6	ADDED DASH 1300 324TS FR.	MU25460	MJD 06-07-1999		.xx	±.03	TITLE OUTLINE	SCALE	1=5	Ĭ
	5	ADDED DUAL DRILLING	CN 26835	DRS 04-29-1999		.xxx	±.005	320TS FR BB - TS - EXP.PR.	REF		
	4	REDRAWN ON CADD		MRB 09-06-1995		.xxxx	±.0005	MAT'L.	FMF		
	NO.	REVISION		BY & DATE	СНК	ANG	±7°30°	FINISH	PREV		
Γ		THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY			RFP			CAD FILE ss28118 SIZE DRAWING NO			REV.
		IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN THIS IS AN ELECTRONICALLY GENERATED DOCUMENT -			DIST	LB		B SS	2811	8	7



CERTIFICATION DATA SHEET

324TSTGS16531 BN WINDING#: K3244127 NONE 1 Model#:

F.L. RPM

ASSEMBLY: CONN. DIAGRAM: A-EE7308T F1 ONLY

SYNC. RPM

OUTLINE: B-SS28118-1300

KW

HP

TYPICAL MOTOR PERFORMANCE DATA

FRAME

ENCLOSURE

KVA CODE

DESIGN

40&30	30&22	2.4	1800	1780&1480	324TS	EPF	c	G	В
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/	95/47.5&87/43	LINE OR	CONTINUOU	F3	1.0/1.0	40	3300
		380	.5	INVERTER	S				

FULL LOAD EFF: 94.1&94.1	3/4 LOAD EFF: 94.5	1/2 LOAD EFF: 94.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83&82	3/4 LOAD PF: 79.5	1/2 LOAD PF: 71	93.6	SQ CAGE INV RATED	35 / 17.5

F.L. TORQUE	L. TORQUE LOCKED ROTOR AMPS		B.D. TORQUE	F.L. RISE°C	
118 LB-FT	580 / 290	218 LB-FT 185	305 LB-FT 258	65	

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	8.8 LB-FT^2	275 LB-FT^2	25 SEC.	2	700 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	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

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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