

PRODUCT INFORMATION PACKET



Model No: 365TSTGS16507AN

Catalog No: 825106.00

..75HP..3600RPM.365TS.EPFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....

Explosion Proof



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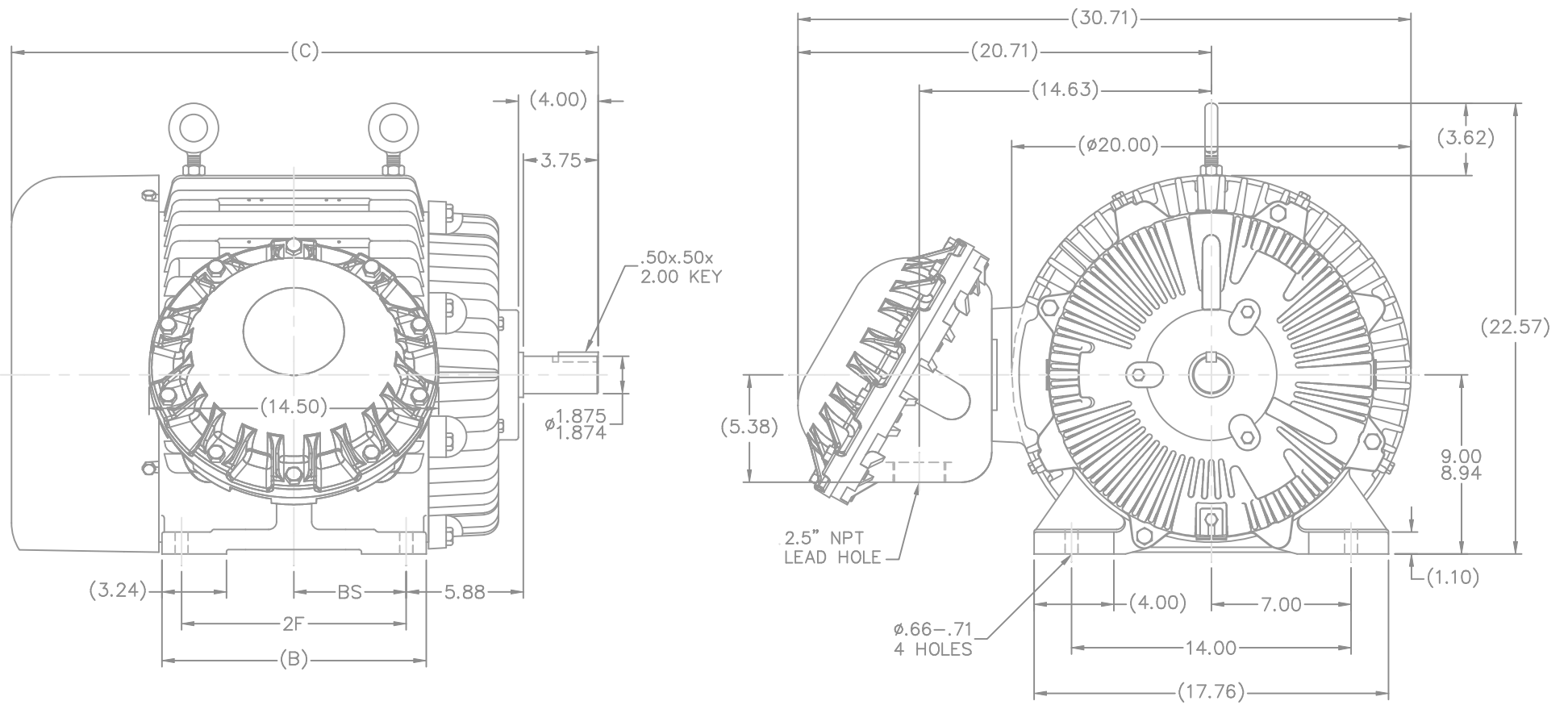
Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	169.0/84.5 A	Speed	3555 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Duty	Continuous
Insulation Class	F	Design Code	B
KVA Code	G	Frame	365TS
Enclosure	Explosion Proof Fan cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6312
Opp Drive End Bearing Size	6312	UL	No
CSA	N	CE	N
IP Code	54		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	Cast Iron	Shaft Type	TS
Overall Length	30.38 in	Frame Length	14.50 in
Shaft Diameter	1.875 in	Shaft Extension	3.75 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	B-SS518623LE-1450	Connection Diagram	A-EE7308AD-LE

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- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

(REPLACES B-SS503646)

DASH	FRAME	B	C	2F	BS
1350	364TS	13.25	29.38	11.25	5.62
1450	365TS	14.25	30.38	12.25	6.12

NO.		REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV				
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								B	SS518623LE			



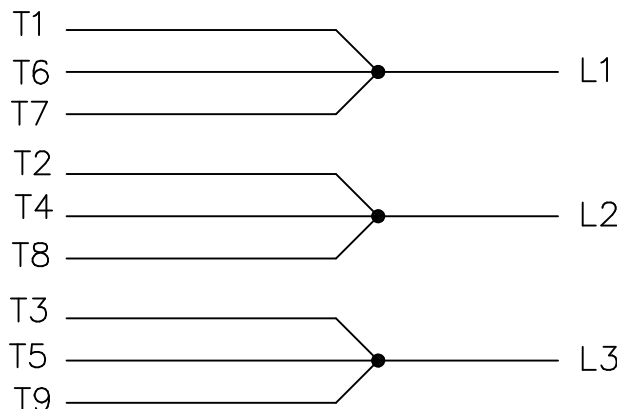
ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

TITLE OUTLINE
360TS FR. - EXP. PR.

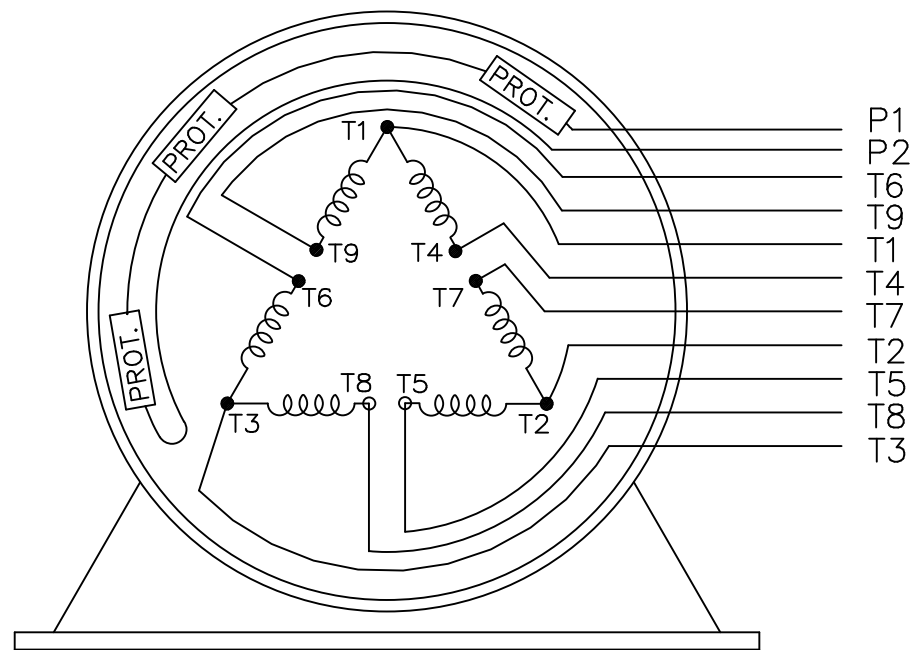
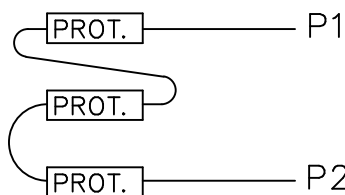
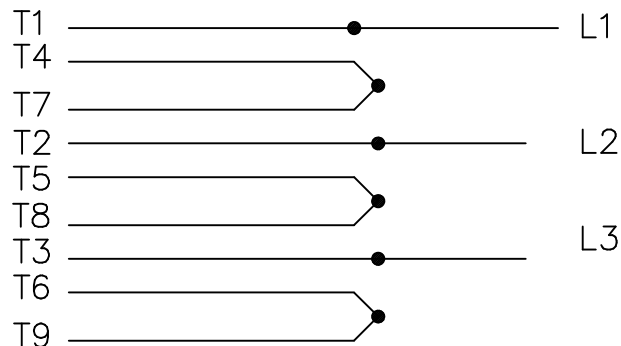
DRAWN NJS 10-14-2004
CHK ML 10-14-2004
APPD JET 10-14-2004

SCALE 1=5
REF
FMF

LOW VOLTAGE




HIGH VOLTAGE



VIEW OF TERMINAL END

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

				TOLERANCES UNLESS SPECIFIED		 ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN NJS 05-15-2002		
				DEC.	INCHES		CHK	ML 05-20-2002	
				.X	±.1		APPD	TB 05-20-2002	
				.XX	±.02	TITLE CONNECTION DIAGRAM	SCALE		
2	HIGH VOLT. SCHEMATIC WAS L1, L3, & L3	CN 32724	DRS 06-12-2004	ML	.XXX ±.005	3Ø - WITH PROTECTORS	REF		
1	NEW DRAWING	CN 35132	NJS 05-20-2002	TB	.XXXX ±.0005	MAT'L.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV		
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				DIST	WA-LB	A	EE7308AD-LE	2	



CERTIFICATION DATA SHEET

1051 CHEYENNE AVE.
 GRAFTON, WI 53024
 PH. 262-377-8810

CATALOG #: 825106.00

CONN. DIAGRAM: A-EE7308AD-LE

MOUNTING: F1 ONLY

OUTLINE: B-SS518623LE-1450

WINDING #: T365262 R1 1

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75860	56.0845.0	3600	3555&2960	365TS	EPEC	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	169/84.5&162/81	LINE OR INVERTER	CONTINUOUS	F1	1.15/1.15	40

FULL LOAD EFF:	94.1&94.1	3/4 LOAD EFF:	94.1	1/2 LOAD EFF:	93	GTD. EFF	93.6	ELEC. TYPE
FULL LOAD PF:	88.5&889	3/4 LOAD PF:	86.5	1/2 LOAD PF:	81	SQ CAGE INV RATED		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
111 LB-FT	1084 / 542	180 LB-FT	162 %	320 LB-FT
				288 %
				65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
78 DBA	88 DBA	8.2 LB-FT^2	- LB-FT^2	20 SEC.	-	925 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 SEVERE DUTY	EXP PROOF CL I GR C&D CL II GR F&G T3B	FALSE	NONE	BLUE - LEESON (ENAMEL)

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

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

INVERTER TORQUE: CONSTANT 2:1
 INV. HP SPEED RANGE: 1.5 X BASE SPEED

ENCODER: NONE
 NONE NONE
 NONE NONE PPR

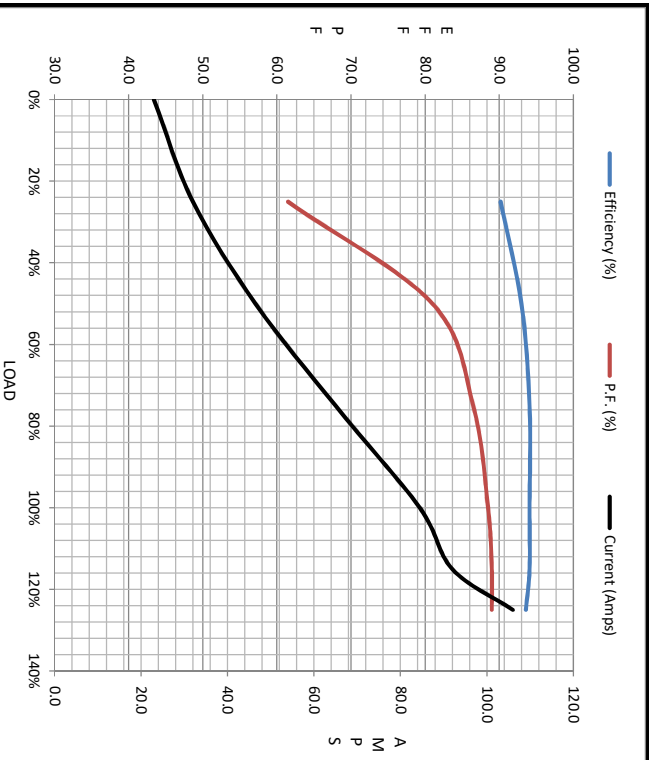
BRAKE: NONE NONE
 NONE P/N NONE
 NONE NONE

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Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	23.0	32.0	46.5	65.0	84.5	92.0	106	542	
Torque (ft-lb)	0.00	27.5	55.0	83.0	111	128	140	180	
RPM	3600	3590	3580	3585	3555	3545	3540	0	
Efficiency (%)		90.2	93.0	94.1	94.1	94.1	93.6		
P.F. (%)	6.0	61.5	81.0	86.5	88.5	89.0	89.0	31.5	

Motor Speed Data						Information Block																					
	LR	Pull-Up	BD	Rated	Idle	HP	Sync. RPM	Frame	Enclosure	Construction	Voltage	Frequency	Design	LR Code letter	Service Factor	Temp Rise @ FL	Duty	Ambient	Elevation	Rotor/Shaft wk ²	Ref Wdg	Sound Pressure @ 1M	VFD Rating	Outline Dwg	Conn. Diag	Additional Specifications:	
Speed (RPM)	0	1800	3350	3555	3600	75.0	3600	365	TEFC	TFS	230/460#190/380	60	A	G	1.15	65	CONT	40 °C	1,000 feet	8.2	T365262 R1	78	CONSTANT 2:1	B-SS518623LE-1450	A-EE7308AD-LE		
Current (Amps)	542	488	335	84.5	23.0																						
Torque (ft-lb)	180	162	320	111	0.00																						



	R1	R2	X1	X2	Xm
EQUIV CKT (OHMS / PHASE)	0.0520	0.0380	0.3190	0.2880	11.5290

