

PRODUCT INFORMATION PACKET

Model No: 365TTGS16540
Catalog No: E576A
75,1800,EPFC,365T,3/60/230/460
Explosion Proof



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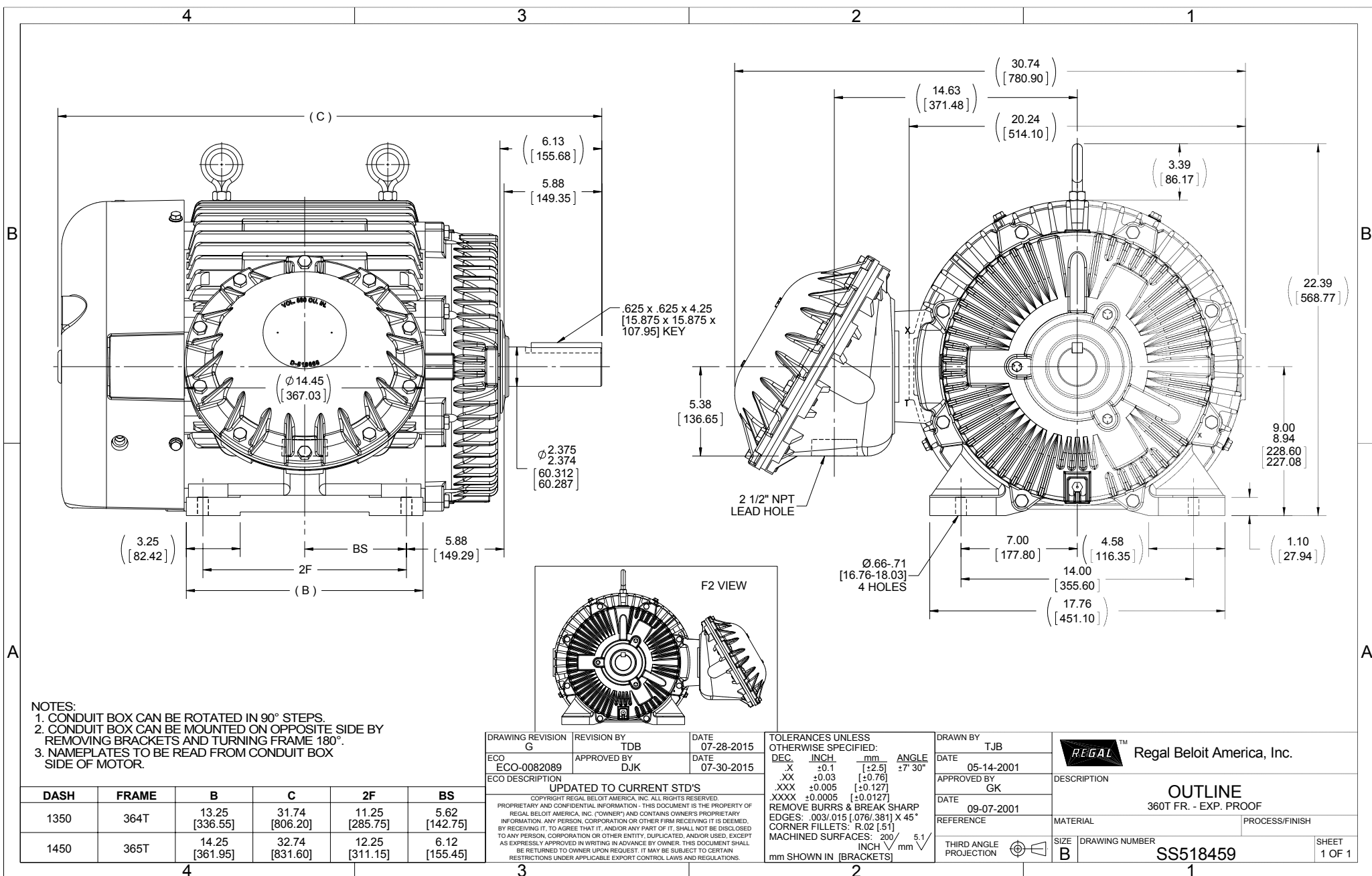
Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	230/460 V
Current	174.0/87.0 A	Speed	1782 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Duty	Continuous
Insulation Class	F	Design Code	A
KVA Code	H	Frame	365T
Enclosure	Explosion Proof Fan cooled	Overload Protector	No
Ambient Temperature	40 °C	Drive End Bearing Size	6314
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	4	Rotation	Reversible
Mounting	Rigid base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	T
Overall Length	32.74 in	Frame Length	14.50 in
Shaft Diameter	2.375 in	Shaft Extension	6.12 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	B-SS518459-1450	Connection Diagram	A-EE7308AD

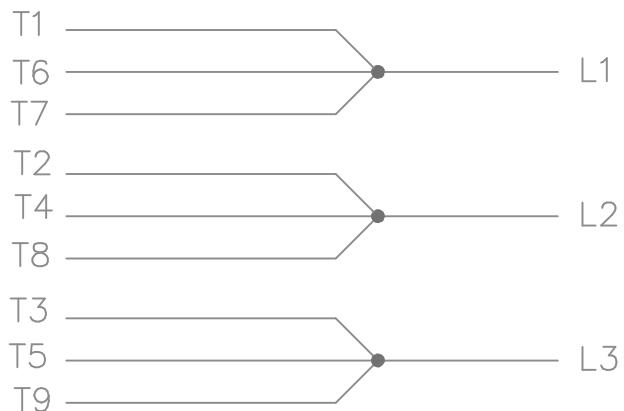
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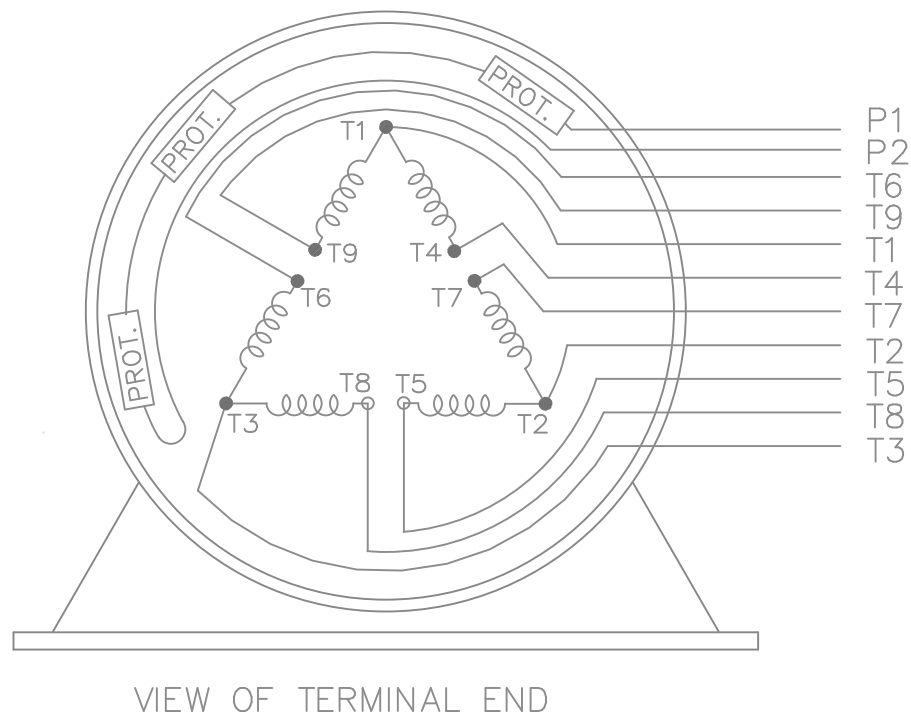
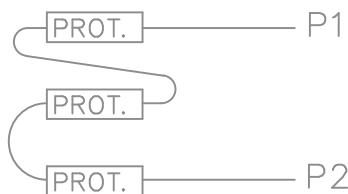
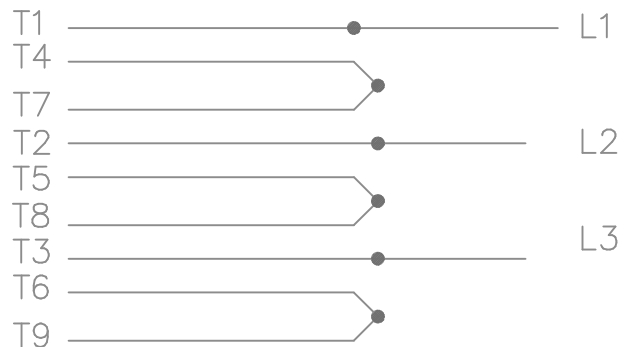
- NOTES:
 1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
 2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
 3. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

DRAWING REVISION G	REVISION BY TDB	DATE 07-28-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE X +0.1 [+2.5] ±7-30° XX ±0.03 [+0.76] .XXX ±0.005 [+0.127] XXXX ±0.0005 [+0.0127]	DRAWN BY TJB
ECO-0082089	APPROVED BY DJK	DATE 07-30-2015	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [51] MACHINED SURFACES: 200 5.1 INCH/mm	DATE 05-14-2001
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			THIRD ANGLE PROJECTION	DATE 09-07-2001
			SIZE B	REFERENCE
			DRAWING NUMBER SS518459	PROCESS/FINISH
			SHEET 1 OF 1	

LOW VOLTAGE



HIGH VOLTAGE



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

				TOLERANCES UNLESS SPECIFIED			DRAWN MJD 12-19-1997					
				DEC.	INCHES		CHK ML 01-07-1998					
				.X	±.1	APPD GK 01-07-1998						
				.XX	±.02	SCALE						
8	HIGH VOLT. SCHEMATIC WAS L1, L3 & L3	CN 32724	DRS 06-12-2004	ML	.XXX	±.005	REF					
7	REDRAWN ON CADD		MJD 01-07-1998		.XXXX	±.0005	FMF					
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	PREV						
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	CAD FILE ee7308ad			SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST	WA-LB			A	EE7308AD			8

CERTIFICATION DATA SHEET

Model#: 365TTGS16540 AN **WINDING#:** T3654203 NONE 1
CONN. DIAGRAM: A-EE7308AD **ASSEMBLY:** F1 ONLY
OUTLINE: B-SS518459-1450

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
75&60	56&45	1800	1782&1482	365T	EPFC	H	A

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	174/87&169/8 4.5	LINE OR INVERTER	CONTINUOU S	F3	1.15/1.15	40	3300

FULL LOAD EFF: 95.4&95	3/4 LOAD EFF: 95.4	1/2 LOAD EFF: 95	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
			95	SQ CAGE INV RATED	64 / 32

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
221 LB-FT	1300 / 650	500 LB-FT 225	625 LB-FT 282	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	18.5 LB-FT^2	500 LB-FT^2	25 SEC.	2	1050 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 (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL 6314	BALL 6312	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON

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 2:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

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Data Sheet

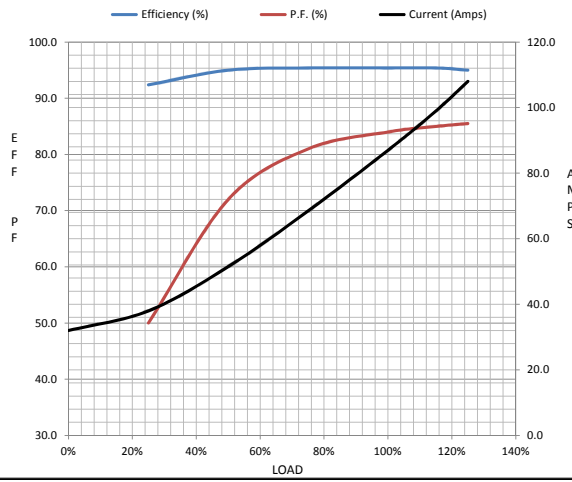
Date: 20-06-2017
 Customer: _____
 Attention: _____
 Submitted by: FAREEDA DUDEKULA



365TTGS16540
Submittal
 Data @ 460 V

Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	32.0	38.0	51.5	68.5	87.0	99.0	108	650	
Torque (ft-lb)	0.00	55.0	110	166	221	255	278	500	
RPM	1800	1795	1790	1785	1782	1,778	1775	0	
Efficiency (%)		92.4	95.0	95.4	95.4	95.4	95.0		
P.F. (%)	3.5	50.0	72.0	81.0	84.0	85.0	85.5	33.0	

Motor Speed Data						Information Block	
	LR	Pull-Up	BD	Rated	Idle		
Speed (RPM)	0	900	1725	1782	1800	HP	75.0
Current (Amps)	650	575	360	87.0	32.0	Sync. RPM	1800
Torque (ft-lb)	500	425	625	221	0.00	Frame	365



Enclosure	TEFC			
Construction	TFS			
Voltage	30/460#190/38V			
Frequency	60 Hz			
Design	A			
LR Code letter	H			
Service Factor	1.15			
Temp Rise @ FL	75 ° C			
Duty	CONT			
Ambient	40 ° C			
Elevation	1,000 feet			
Rotor/Shaft wk ²	18.5 Lb-Ft ²			
Ref Wdg	T3654203 NONE			
Sound Pressure @ 1M	68 dBA			
VFD Rating	CONSTANT 2:1			
Outline Dwg	B-SS518459-1450			
Conn. Diag	A-EE7308AD			
Additional Specifications:				
0				
365THFS8036				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
0.0510	0.0330	0.2910	0.3550	8.1840

