PRODUCT INFORMATION PACKET

Model No: 445TSTGN16531 Catalog No: U084A Explosion Proof Motor, 150 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 445TS Frame, EPFC



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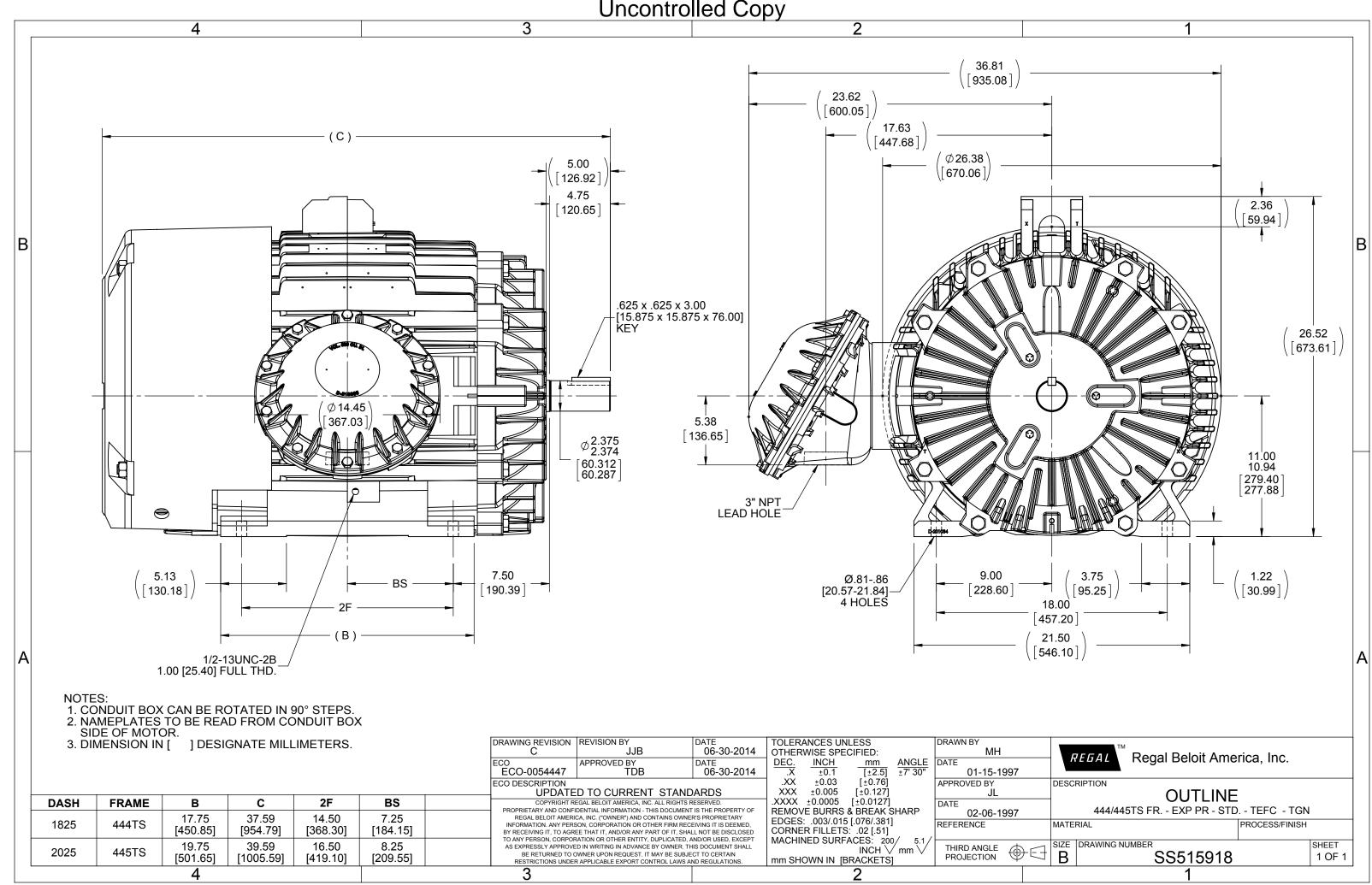
Nameplate Specifications

Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	460 V
Current	172.0 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Power Factor	85
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	445TS	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	UL Listed And CSA Certified	CSA	Y
CE	Ν	IP Code	54

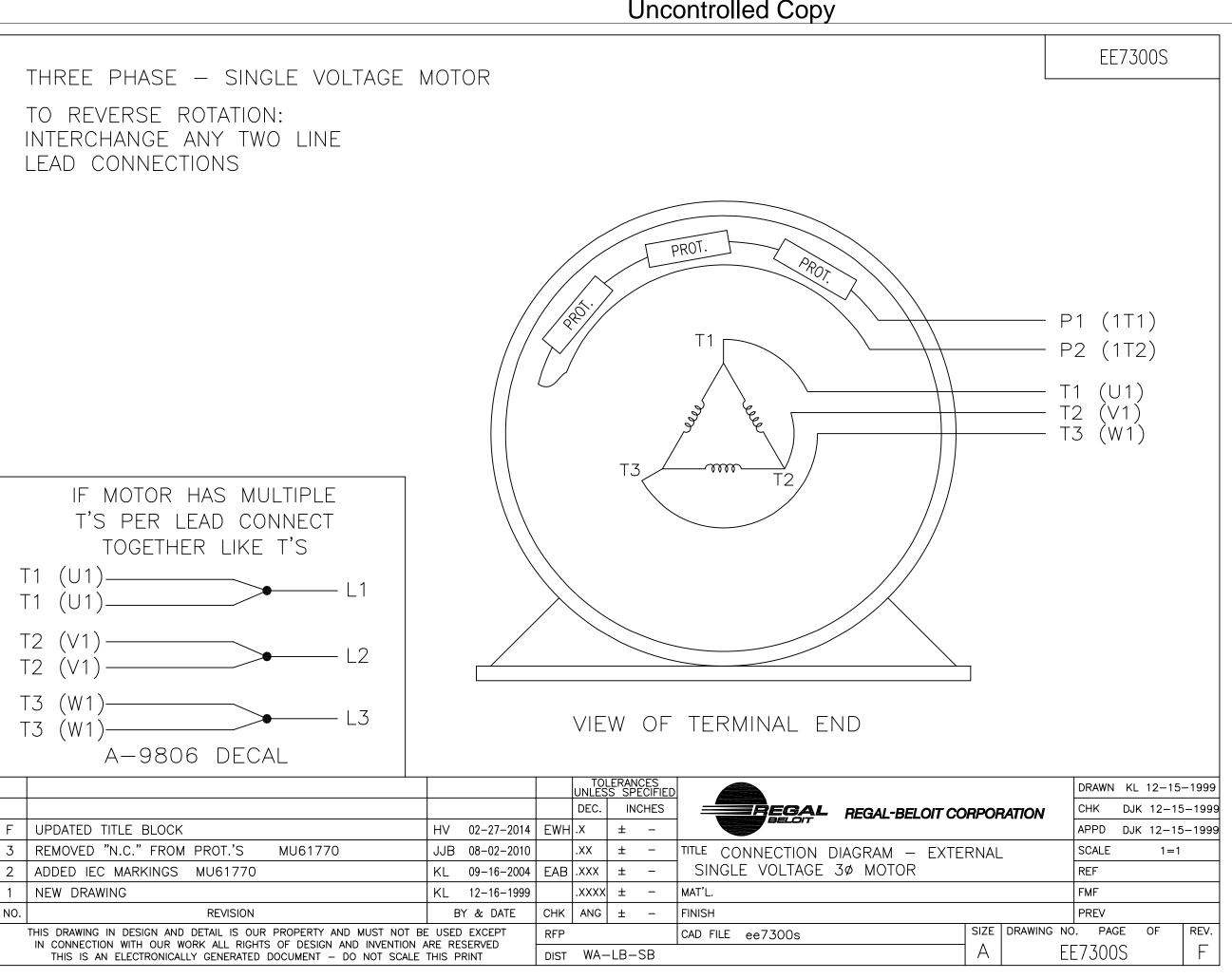
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0275 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	39.59 in
Frame Length	20.25 in	Shaft Diameter	2.375 in
Shaft Extension	5 in	Assembly/Box Mounting	F1 ONLY
Inverter Load	CONSTANT 10:1		
Connection Drawing	A-EE7300S	Outline Drawing	B-SS515918-2025

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NO.

CERTIFICATION DATA SHEET

Model#:	445TSTGN16531 AA	WINDING#:	T4454127 NONE 1
CONN. DIAGRAM:	A-EE7300S	ASSEMBLY:	F1 ONLY
OUTLINE:	B-SS515918-2025		

TYPICAL MOTOR PERFORMANCE DATA

HP		ĸw	SYNC. F	RPM	F.L. RPM	FRAME	EN	CLOSURE	KVA CO	DDE	DESIGN
150&125	1	12&93	1800)	1785&1485	445TS		EPFC	G		В
РН	Hz	vo	LTS F	L AMPS	START TYPE	DUTY	INSL	. s	.F	AMB°C	ELEVATION
3	60/50	460	#380 1	72&170	LINE OR INVERTER	CONTINUOU S	F1	1.15	/1.15	40	3300
FULL LOA 95.8&9		3/4 LOAD	EFF: 96.2	1/2 LC	DAD EFF: 95.4	GTD. EF	F	ELEC.	TYPE	NO	LOAD AMPS
FULL LOAD F	PF: 85&86	3/4 LOA	D PF: 82	1/2 L	OAD PF: 74	95.4		SQ CAGE I	NV RATED		60

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
441 LB-FT	1085	800 LB-FT 181	1150 LB-FT 261	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	47 LB-FT^2	1000 LB-FT^2	25 SEC.	2	2050 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			

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
6313	6313					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: 1.5 X BASE SPEED						
E	ENCODE	ER: NONE					
٢	NONE	NONE					
٢	NONE	NONE PPR					
E	BRAKE:	NONE	NONE				
٢	NONE	P/N N	ONE				
٢	NONE	NONE					
	- FT-LB	NON	NE V	NONE Hz			

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