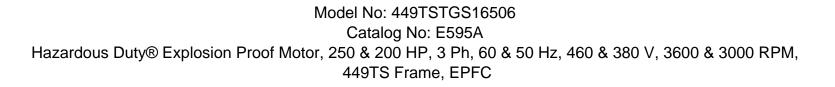
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 449TSTGS16506, Catalog No:E595A Hazardous Duty® Explosion Proof Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM, 449TS Frame, EPFC

marathon®

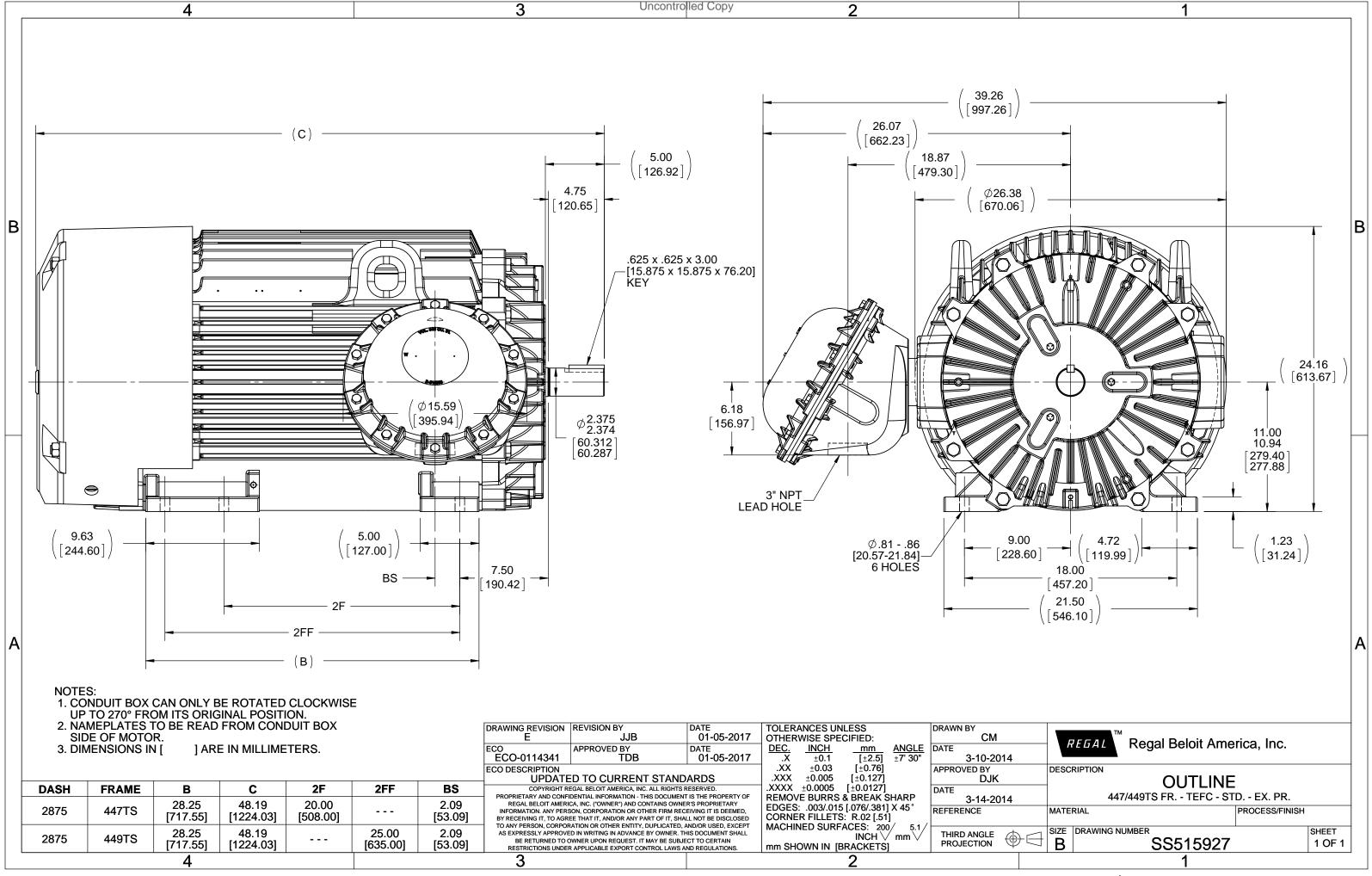
Nameplate Specifications

Phase	3	Output HP	250 & 200 Hp
Output KW	187.0 & 149.0 kW	Voltage	460 & 380 V
Speed	3575 & 2976 rpm	Service Factor	1.0 & 1.0
Frame	449TS	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Efficiency	95.8 & 95.4 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	270 & 265 A	Power Factor	89
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6313
UL	UL Listed And CSA Certified	CSA	Y
CE	Ν	IP Code	54
Number of Speeds	1	Hazardous Location EXP PROOF CL I GR C&D (T3B	

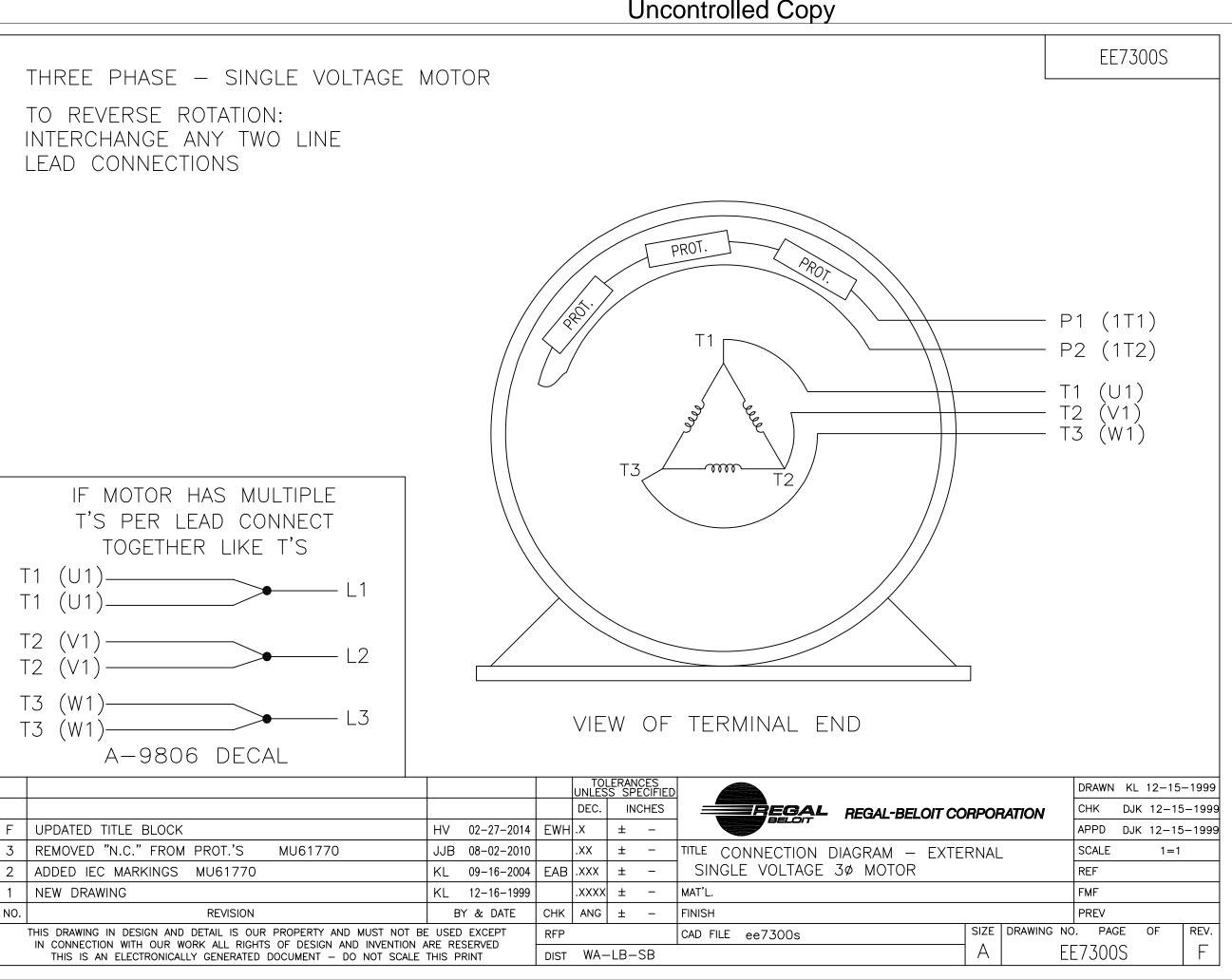
Technical Specifications

Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
2	Rotation	Reversible
.0086 Ohms	Mounting	Rigid Base
Horizontal	Drive End Bearing	Ball
Ball	Frame Material	Cast Iron
TS	Overall Length	28.25 in
28.77 in	Shaft Diameter	2.375 in
5.00 in	Assembly/Box Mounting	F1 ONLY
CONSTANT 2:1		
B-SS515927-2875	Connection Drawing	A-EE7300S
	2 .0086 Ohms Horizontal Ball TS 28.77 in 5.00 in CONSTANT 2:1	2Rotation.0086 OhmsMountingHorizontalDrive End BearingBallFrame MaterialTSOverall Length28.77 inShaft Diameter5.00 inAssembly/Box MountingCONSTANT 2:1

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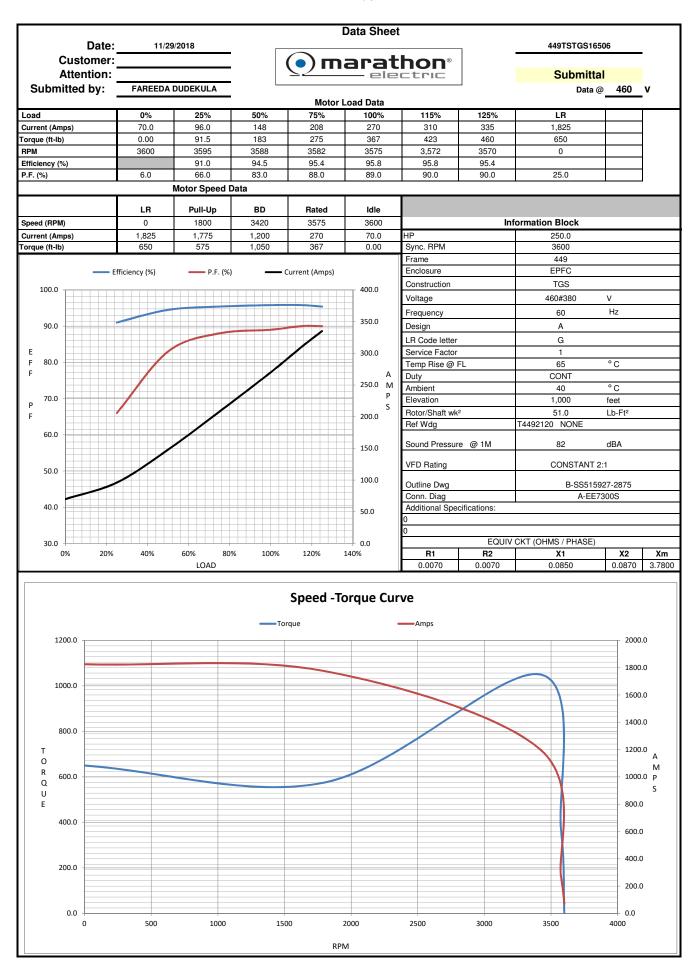


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										P.O. BOX 80 WAUSAU. W				
MarathonWAUSAU, WI 54401-80PH. 715-675-3311														
											DATA VOLTS:	460		
	CERTIFICATION DATA SHEET													
CUSTOMER:						-		OMER P.O. #:		500				
	ORDER #: CONN. DIAGRAM: A-EE7300S				н	REFERENCE MODEL #: 449TSTGS16506 CAT #: E595A			-					
OUTLINE:		B-SS5159						CUSTO	MER PART #:					
WINDING: SPEED:			T4492120		1				MOUNTING:	F1 ONLY				
				T I	YPICAL		R PERFO	RMANC	E DATA					
HP	KW	SYN	C RPM	FL R	RPM FRAME		ENCLOSURE		TYPE			DESIGN		
250	187	30	600	357	5	447	/449TS	TEFC		TFN	G		В	
PH	HZ	VO	OLTS	AMF	s	START TYPE		[OUTY	INSL	S.F.	AMB	ELEV.	
3	60/50		#380	270&2			INVERTER		ONT	F	1.15	40	3300	
	F.L. EFF	95.8	1	3/4 LD EFF	95.4	1	1/2 LD EFF	94.5	GTD EFF	1	ELECT. TY	PF		
	F.L. PF	89.0		3/4 LD PF	88.0		1/2 LD PF	83.0	95.0		SQ CAGE INV			
51 T	ORQUE		R AMPS @	460 V		L.R. TORG				15	F.L. RISE	(° C)		
367	LB-FT		1,825	400 V	650	LB-FT	QUE B.D. TORC 177% 1,050 LB-FT			286%	65	(0)		
) FT	DO	WED	ROTOR	14/1/22		OAD WK ²			OTAD		мото	DWOT	
82	3 FT. dBA	91	dBA		LB-FT ²	0	LB-FT ²	SAFE STALL TIME STARTS/HOU 0 SEC. 0			2800 LB.			
				`	*** CI		NTAL INFO		NI ***	•				
		ODE B	RACKET	MOUNT		TOR	SEVERE		ARDOUS	DRIP				
	IDARD		YPE NDARD	TYPE RIGID		TATION ZONTAL	DUTY	LOCATION DF CL I GR C&D CL II GF		COVER NO	SCREENS NONE	PAINT BLUE (EPOXY)		
UTAN		UTAN	DAILD	TICID	TIOTIZ					NO	NONE	DLOL (LI OXI)	
BEAI DE	RINGS ODE	GRI	GREASE SHAFT TYPE SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME MATERIAL					
BALL 6313	BALL 6313	POLY	REX EM	TS	;	N	ONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
					ACE									
	THERMOSTATS PROTECTORS TSTATS (N/C) NOT				WDG RTD's NONE		BRG RTD's NONE		THERMISTORS NONE		FALSE		HEATERS NA	
54.4		50 ()						X (
R1 (ohms/ph) R2 (ohms/ph) 0.007 0.007		X1 (onn 0.08	hms/ph) X2 (ohms/ph)		Xm (ohms/ph) 3.78		VIBRATION (in/sec) 0.080		ODE					
	1													
Ň									INVERTI	ER TORQUE:	CONSTANT 2:1			
0	0								EED RANGE:					
T E									ENCODER:	NONE				
S					NONE									
* NONE NONE PPR BRAKE: NONE						PPR								
PREPARED BY: FAREEDA DUDEKULA					NONE NONE									
DATE: 9/10/2018					FT-LB: NA VOLTAGE: NONE HZ:									
FORM: 3531 REV_4 2/27/06					UL: NONE									

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Certificate Number Report Reference Issue Date	20220524- E12044 E12044-19970314 2022-MAY-24
Issued to:	REGAL BELOIT AMERICA INC 1946 W COOK RD FORT WAYNE IN 46818 Tradename: Marathon
This certificate confirms that	MOTORS FOR USE IN HAZARDOUS LOCATIONS
representative samples of	Electric motors for use in hazardous locations; Class I, Groups C and D; Class II, Groups F and G; Inclusive of Model Number 449TSTGS16506 (may have prefix and/or suffix characters).
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 674 - Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations, CSA C22.2 No. 145, Electric Motors and Generators for Use in Hazardous (Classified) Locations
Additional Information:	See the UL Online Certifications Directory at <u>https://iq.ulprospector.com</u> for additional information.

CERTIFICATE OF COMPLIANCE

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Barnelly

Bruce Mahrenholz, Director North American Certification Program

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