PRODUCT INFORMATION PACKET



Model No: 445TSTDCD14027 Catalog No: U540B

Fire Pump Motor, 250 & 200 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 445TS Frame, DP



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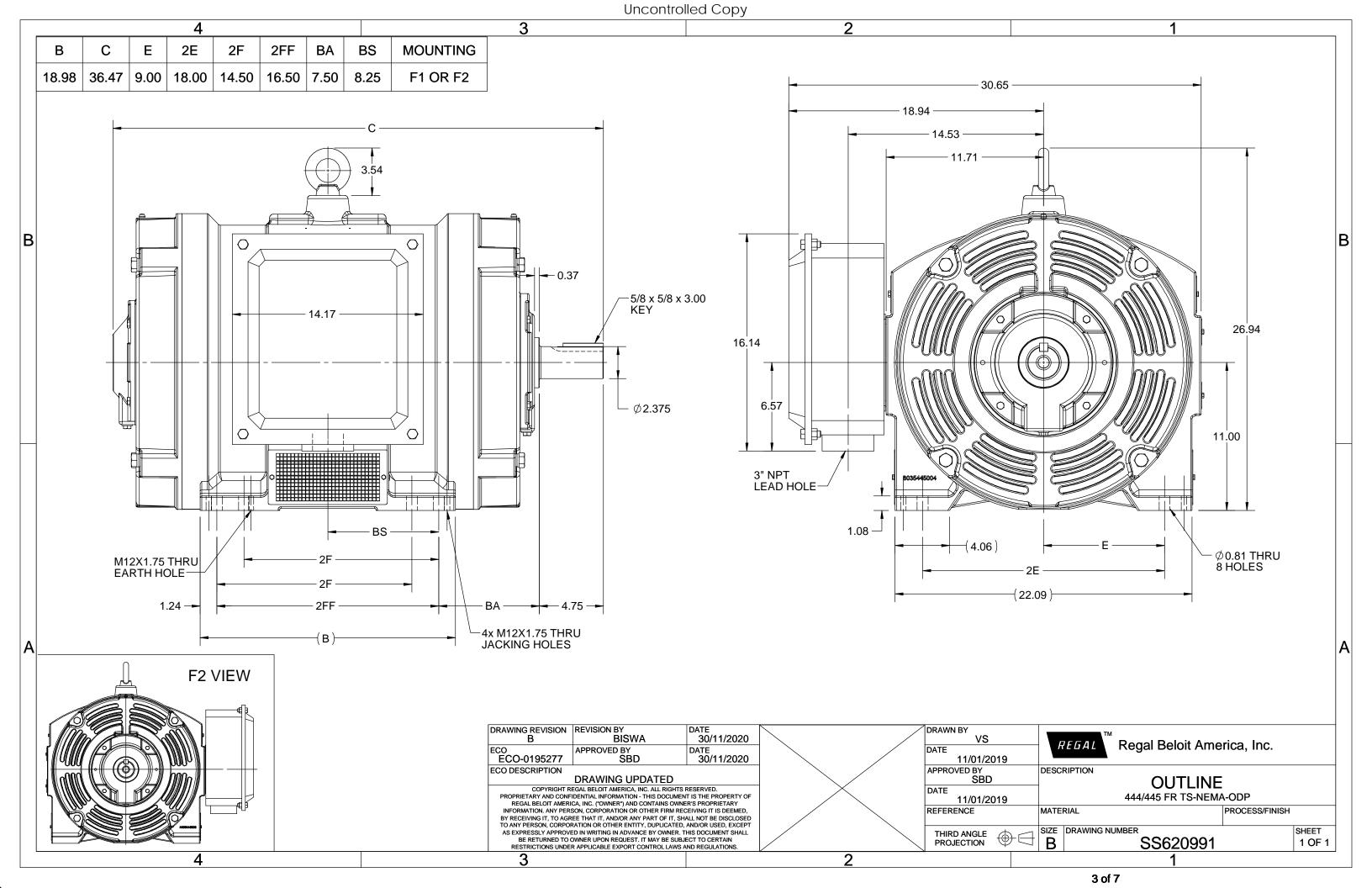
Nameplate Specifications

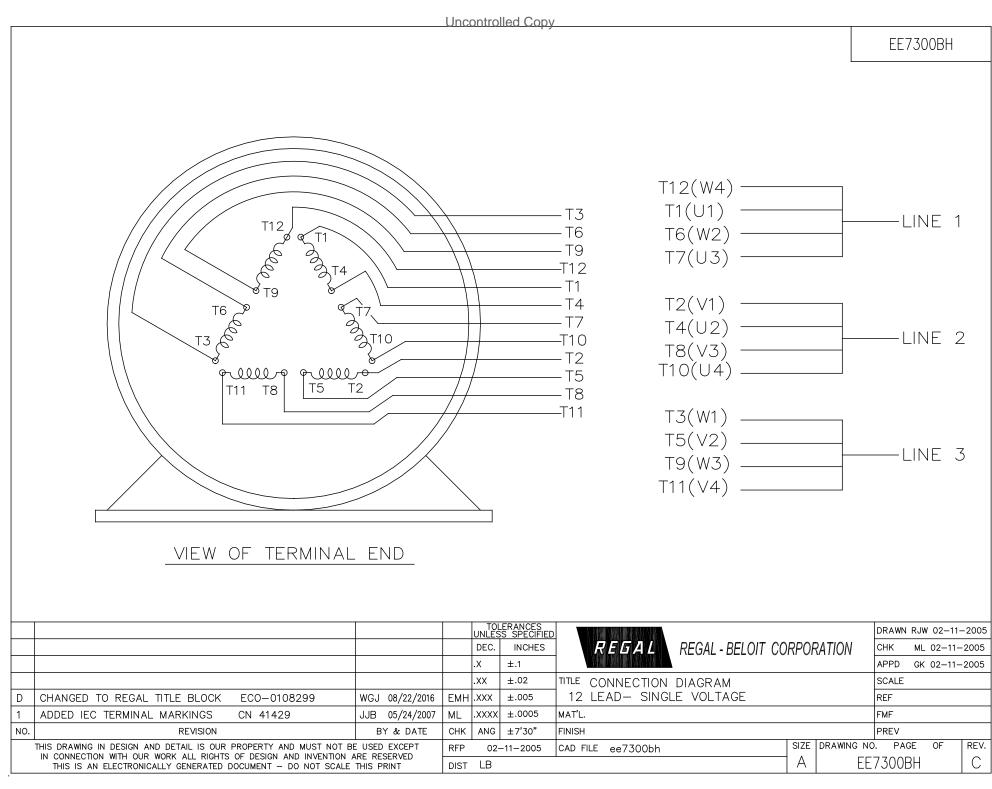
Phase	3	Output HP	250 & 200 Hp	
Output KW	187.0 & 149.0 kW	Voltage	460 & 380 V	
Speed	1789 & 1489 rpm	Service Factor	1.15 & 1.15	
Frame	445TS	Enclosure	Drip Proof	
Thermal Protection	No Protection	Efficiency	95.4 & 95.1 %	
Ambient Temperature	50 °C	Frequency	60 & 50 Hz	
Current	279 & 270 A	Power Factor	87.7	
Duty	Continuous	Insulation Class	F	
Design Code	В	KVA Code	G	
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317	
UL	Listed	CSA	Υ	
CE	Υ	IP Code	23	
Number of Speeds	1			

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Part Wdg Start & Wye Start Delta Run
Poles	4	Rotation	Reversible
Resistance Main	.0223 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	тѕ	Shaft Diameter	2.375 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	EE7300BH	Outline Drawing	SS620991

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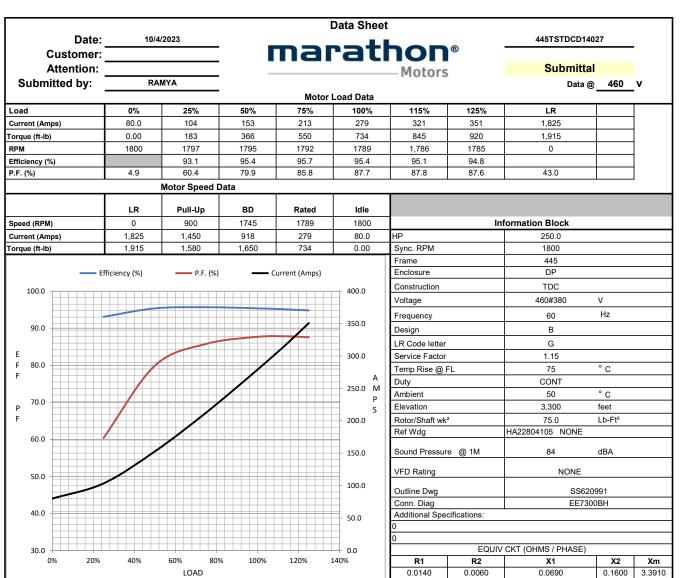


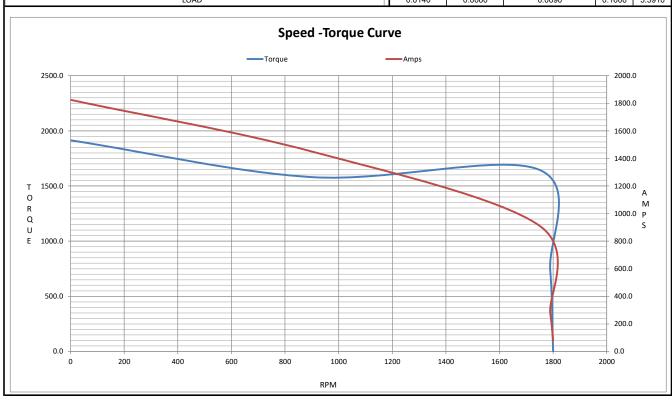




P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

					\		electi	ric		FH. 715-075-3	311		
											DATA VOLTS:	460	
					CEI	RTIFICA	TION DAT	A SHE	ET				
CUSTOME	-R·							CUSTO	OMER P.O. #:				
ORDER #:							F			445TSTDCD14027			
CONN. DI		EE7300BH	1				•	CAT #: U540B				-	
OUTLINE:		SS620991						CUSTOMER PART #:					
WINDING:		Н	A22804105	NONE	1			MOUNTING: F1/F2 CAPABLE					
SPEED:									FAN:	504205B			
				Т	YPICAL	MOTO	R PERFOR	RMANC	E DATA				
НР	ĸw	SYN	C RPM	FLR	FL RPM FRAME		RAME	ENCLOSURE		TYPE	KVA CO	DE DESIGN	
250	187	1:	1800		1789 445TS		DP		TDC	G	В		
PH	HZ		LTS	AM			RT TYPE	DUTY		INSL	S.F.	AMB	ELEV.
3	60/50	460	#380	2798	270	PWS	& YDRUN	C	ONT	F	1.15	50	3300
	F.L. EFF	95.4	1	3/4 LD EFF	95.7		4/2 L D EEE	95.4	GTD EFF		FLECT T	/DE	
	F.L. EFF			3/4 LD EFF	95.7 85.8		1/2 LD EFF 1/2 LD PF	79.9	95.0	ELECT. TY SQ CAGE INI			
	1.5.71	07.7		3/4 LD F1	00.0		1/2 LD F1	13.5	33.0	-	OQ CAGE IN) IVOIV	
F.L. T	ORQUE	L	R AMPS @	460 V		L.R. TORQUE			B.D. TORQ	UE	F.L. RISE (° C)		
734	LB-FT		1,825		1,915			1,650	LB-FT	225%	75		
				1		1							
SOUND PRESSURE		SOUND					OAD WK ²	SAFE STALL TIME		STARTS/HOUR			ROX.
84	84 dBA 93 dBA 75.0 LB-FT ² 375 LB-FT ²				LB-F1-	18	SEC.		2	2262	LB.		
					*** SU	PPLEME	NTAL INFO	RMATIO	N ***				
			RACKET	MOUNT		TOR	SEVERE		ARDOUS				
	DE BRACKET TYPE STANDARD		TYPE TYPE ANDARD RIGID		ORIENTATION DUTY		LOCATION		DRIP COVER	SCREENS	PAINT		
STAI	NDARD	STA	NDARD	RIGID	HURIZ	HORIZONTAL NO		NONE		YES	RODENT	RED (ENAMEL)	
BEA	RINGS	0.00		CUAFT			205011 205			MATERIAL FRAME MATER			
DE	ODE	GRI	EASE	SHAFT	SHAFT TYPE SPECIAL DE		CIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAME	MAIERIAL
BALL	BALL	POLY	REX EM	TS	3	N	IONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6319	6317							NONE				0.101.11011	
								TUEDINGTOE -		2011701		SPACE HEATERS	
	IOSTATS ONE		IOT	WDG RTD's		BRG RTD's NONE		THERMISTORS NONE		CONTROL FALSE		NA NA	
I IN	JINE	l IN	101	NONE		INOINE		INUINE		FALSE		INA INA	
R1 (ohms/ph) R2 (R2 (of	hms/ph)	X1 (ohr	ms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
0.014 0.006			0.0			3.391		0.150		ODE			
l *									INIVED:	TER TOROUE.	NONE		
l N								INVERTER TORQUE: NONE INV. HP SPEED RANGE: NONE					
T T										LLD NAMOE.	-		
E								ENCODER: NONE					
s							NONE						
*						NONE NONE PPR							
									BRAKE:				
PREF	PREPARED BY: 7/27/2022						NONE NONE						
DATE: 7/27/2022					FT-LB: NA VOLTAGE: NONE HZ:								
FORM: 35	FORM: 3531 REV 4 2/27/06					}	UL: NO LETTER - ALL BRANDS-UL LISTED FIRE PUMP MOTORS						
. OTTIVIL DO	v_ -							ŲL.		5.0 100		5 101	







EC Declaration of Conformity

The undersigned representing the manufacturer:

Regal Beloit America 100 East Randolph St. Wausau, WI 54401

and the authorized representative established within the Community:

Marathon Electric UK 6F Thistleton Road Ind. Estate Market Overton Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No: 445TSTDCD14027

(Model No. may contain prefix and/or suffix characters)

Catalog No: U540B

Rework No: N/A

Directives:

Low Voltage Directive 2014/35/EU

Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Julian Clark Marketing Engineer

Created on 09/01/2022

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