PRODUCT INFORMATION PACKET



Model No: 445TTFCD6685 Catalog No: E1250

XRI®-SD Severe Duty Motor, 125 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 445T Frame, TEFC



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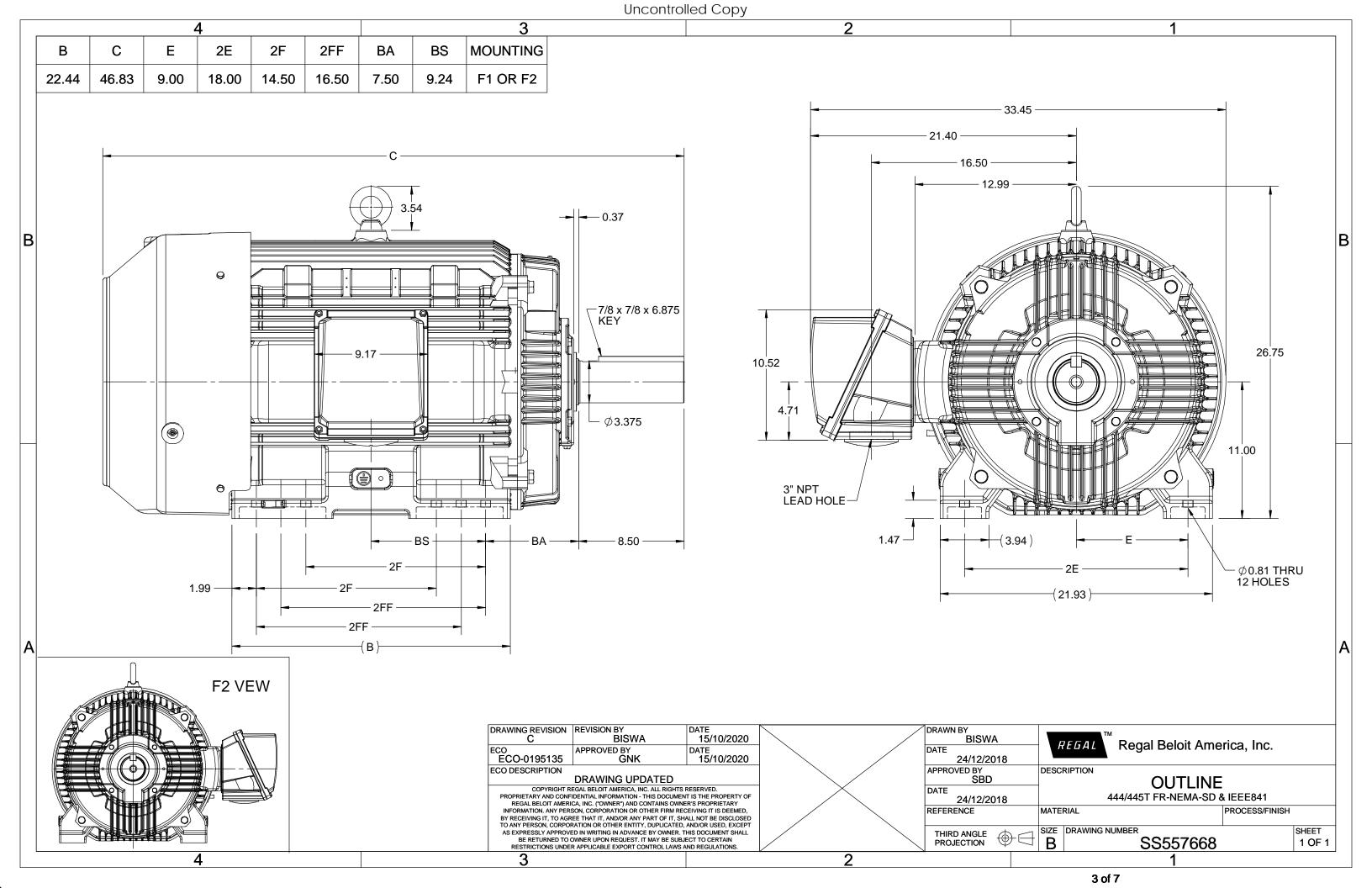
Nameplate Specifications

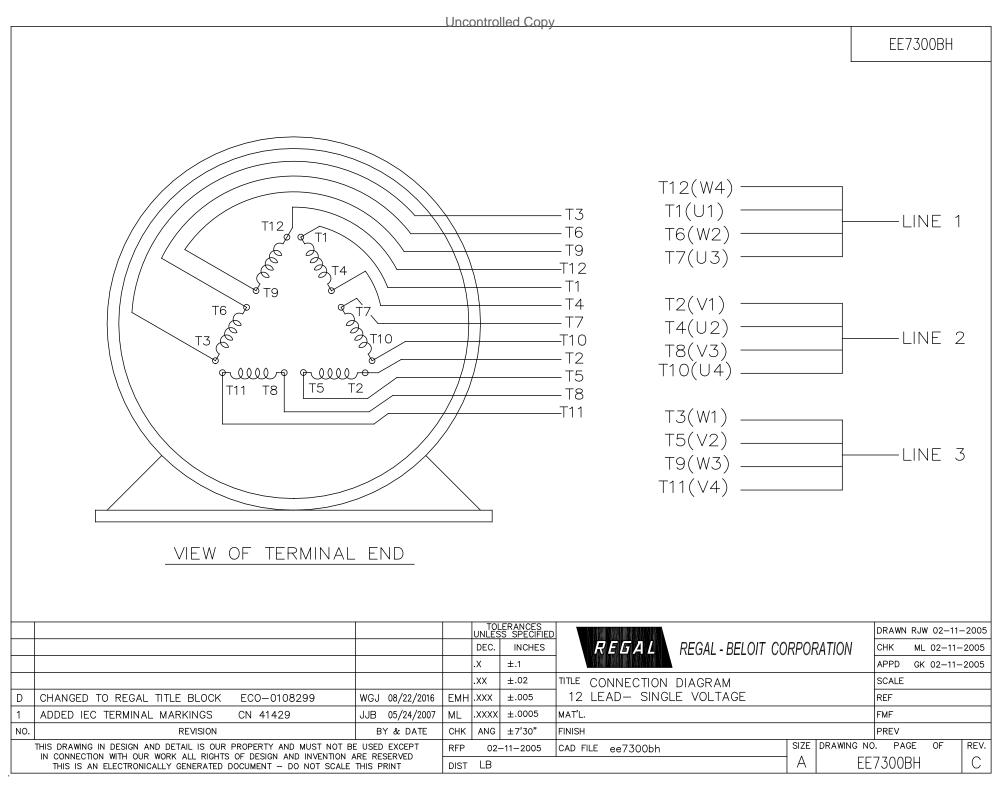
Phase	3	Output HP	125 Hp			
Output KW	93.0 kW	Voltage	460 V			
Speed	1190 rpm	Service Factor	1.15			
Frame	445T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	95 %			
Ambient Temperature	40 °C	Frequency	60 Hz			
Current	143.0 A	Power Factor	86			
Duty	Continuous	Insulation Class	Н			
Design Code	В	KVA Code	G			
Drive End Bearing Size	NU319	Opp Drive End Bearing Size	6317			
UL	Listed	CSA	Υ			
CE	Υ	IP Code	55			
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B			

Technical Specifications

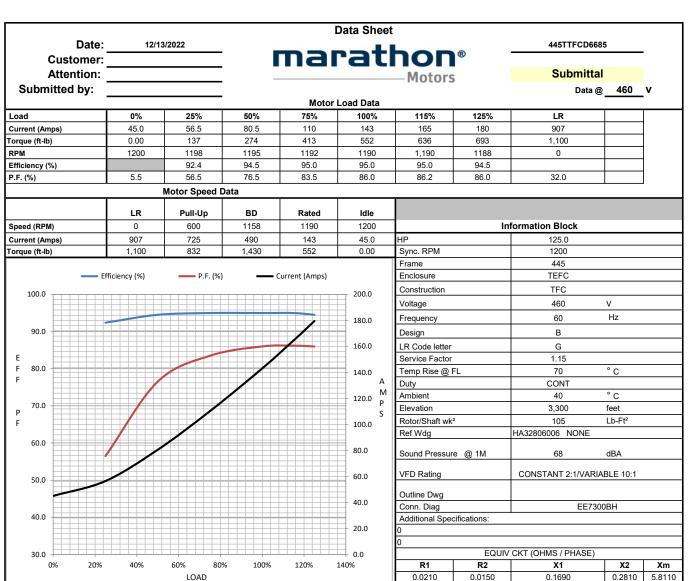
Electrical Type Squirrel Cage Inverter Rated		Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter		
Poles	6	Rotation	Reversible		
Resistance Main	.0353 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Roller		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	Т	Shaft Diameter	3.375 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Connection Drawing	EE7300BH	Outline Drawing	SS557668		

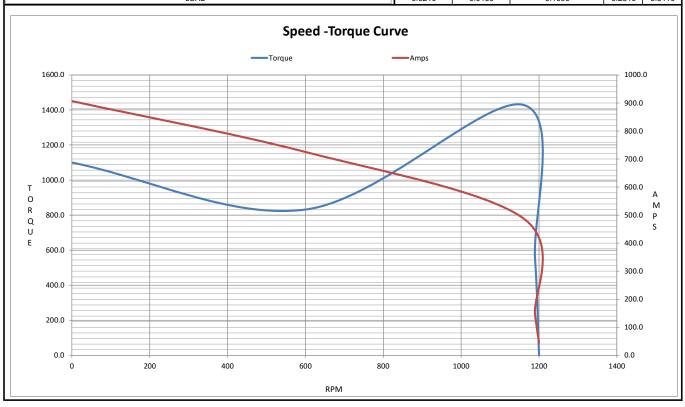
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				ma	ara	thon®		DAT	P.O. BOX 8 WAUSAU, PH. 715-67	WI 54401-8003			
						CERTIFICATION DA	TA SHE	ET					
CUSTOMER: ORDER #: CONN. DIAGRAM: OUTLINE: WINDING:		EE7300BH SS557668 HA32806006 NONE 9					CUSTOMER P.O. #: REFERENCE MODEL #:					<u> </u> -	
SPEED: TYPICAL MOTOR PERFORMANCE DATA													
НР	kw	SYNC RPM	SYNC RPM FL RPM			FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
125	93	1200	1190			445T	TEFC		TFC	G		В	
PH 3	HZ 60 F.L. EFF		143 3/4 LD EFF 95.0		PW	START TYPE DUTY PWS & YDRUN OR INV CONT 1/2 LD EFF 94.5 GTD EFF		CONT GTD EFF	H 1.15 ELECT. TYP			ELEV. 3300	
	TORQUE	86.0 3/4 LD PF 83.5			1/2 LD PF	76.5	94.5 B.D. TORQUE		F.L. RISE (° C)	e INV RATED			
	LB-FT	907		1,100	LB-FT	199%	1,430	LB-FT	259%	70			
SOUND 68	PRESSURE @ 3 FT. dBA	SOUND POWER 77 dBA		OR WK ² LB-FT ²		MAX. LOAD WK ² _B-FT ²	40	SAFE STALL TIME SEC.		STARTS/HOUR	APROX. 1950	MOTOR WGT	
		Г	MOUNT			*** SUPPLEMENTAL INF	ORMATIC	N ***	DRIP				
DE BRACKET TYPE STANDARD		ODE BRACKET TYPE STANDARD	TYPE RIGID	MOTOR ORIE HORIZO		SEVERE DUTY PREMIUM SEVERE DUTY	HAZ	ARDOUS LOCATION DIVISION 2 T2B	COVER	COVER SCREENS		PAINT BLUE - RAL 5003 (EPOXY)	
B DE	EARINGS ODE	GREASE	SHAF	T TYPE		SPECIAL DE		SPECIAL ODE	SHA	FT MATERIAL	MATERIAL FRAME MATERIAL		
ROLLER NU319	BALL 6317	POLYREX EM	т т			NONE		NONE	1045 HOT ROLLED (C-204)		CAST IRON		
THE	RMOSTATS PROTECTORS WDG RTD's NONE NOT NONE			BRG RTD's NONE		THERMISTORS NONE	CONTROL FALSE		SPA	NA NA			
R1	R1 (ohms/ph) R2 (ohms/ph) X1 (ohms/ph) 0.021 0.015 0.169			X2 (ohms/ph) 0.281		Xm (ohms/ph) 5.811	VIBRATION (in/sec) 0.080		FLOAT NONE				
N 0 T					INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE								
E S								ENCODER: NONE NONE			NONE	PPR	
PREPARED BY: DATE: 12/13/2022 FORM: 3531 REV 4 2/27/06						BRAKE: NONE							







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: 445TTFCD6685

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

Catalog No : E1250

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:

<u>Authorized Representative in the Community:</u>

J. cers

Michael A. Logsdon Vice President, Technology

Created on 09/22/2022

Julian Clark Marketing Engineer

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