PRODUCT INFORMATION PACKET

Model No: 445TTFCD6538 Catalog No: E631A XRI®-SD Severe Duty Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 445T Frame, TEFC



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marathon®

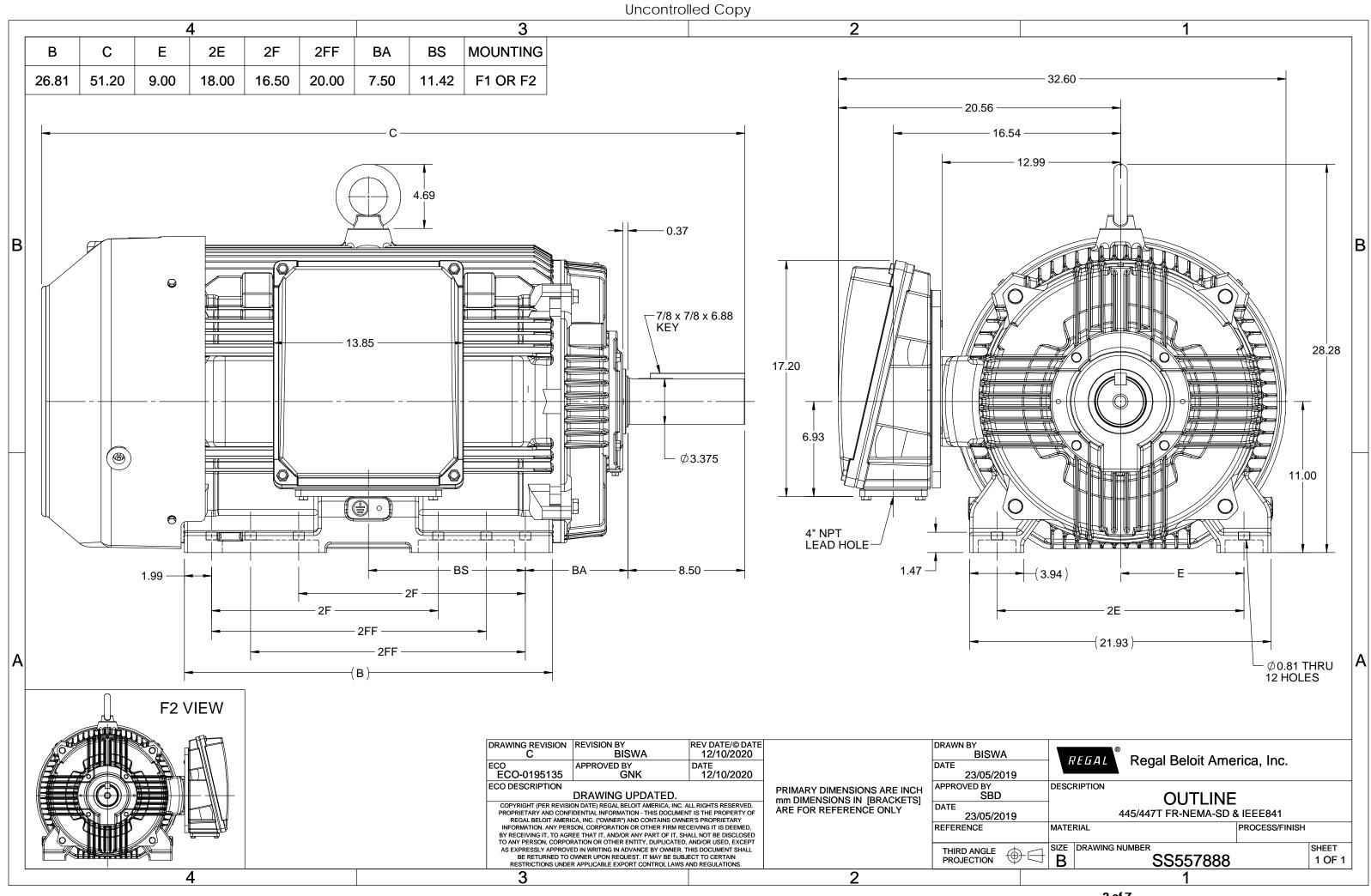
Nameplate Specifications

Output HP	200 Hp	Output KW	149.0 kW			
Frequency	60 Hz	Voltage	460 V			
Current	219.0 A	Speed	1790 rpm			
Service Factor	1.15	Phase	3			
Efficiency	96.5 %	Power Factor	88.5			
Duty	Continuous	Insulation Class	н			
Design Code	В	KVA Code	G			
Frame	445T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Ambient Temperature	40 °C			
Drive End Bearing Size	NU319	Opp Drive End Bearing Size	6317			
UL	Listed	CSA	Y			
CE	Y	IP Code	55			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

Technical Specifications

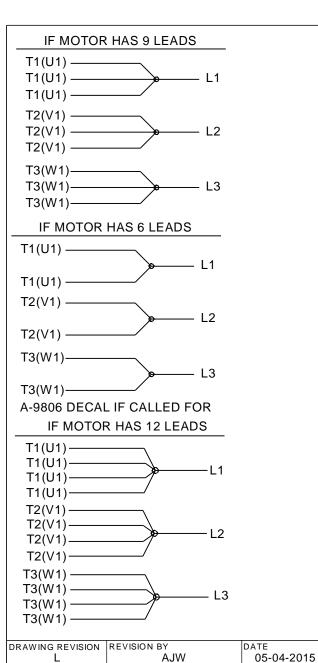
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	4	Rotation	Reversible			
Resistance Main	.0184 Ohms	Mounting	Rigid Base			
Motor Orientation	Horizontal	Drive End Bearing	Roller			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	т	Shaft Diameter	3.375 in			
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Connection Drawing	EE7300U	Outline Drawing	SS557888			

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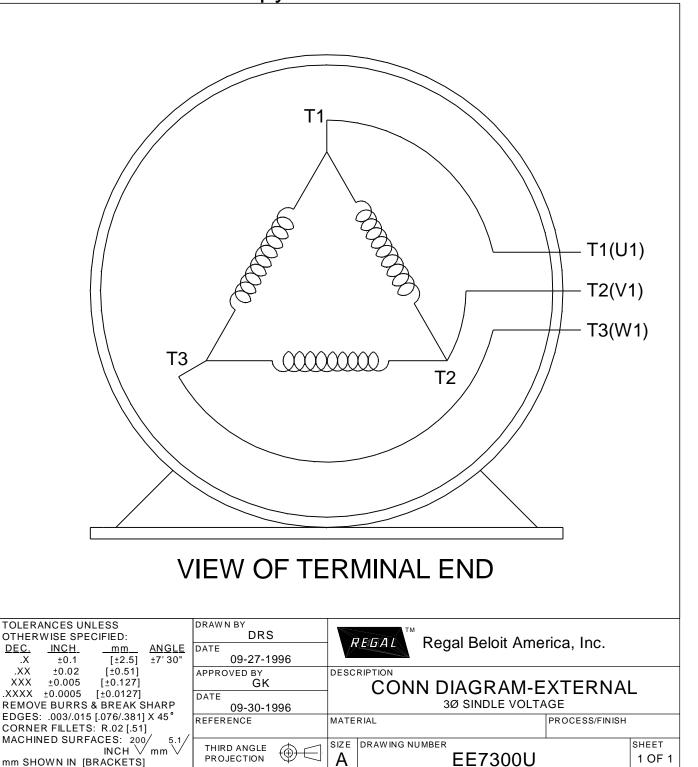
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ECO

ECO-0077067

ECO DESCRIPTION



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					ma	га	thon® Motors				DATA VOLTS:	460	
						CER	TIFICATION DATA S	HEET					
CONN. DI OUTLINE WINDING	:	EE7300 SS557888 HA3	32804009	NONE	5 TY	PICAL	R MOTOR PERFORMA		CAT #:	445TTFCD653 E6 F1/F2 CAPABL	31A		
HP KW SYNC RPM		EL RI			ENCLOSURE		TYPE KVA CODE		DE	DESIG			
200	149	180		1790		445T		TEFC		TFC	G		В
РН 3	HZ 60	VOL 46		AMP 219		l	START TYPE LINE OR INVERTER		OUTY CONT	INSL H	S.F. 1.15	AMB (° C) 40	ELEV. (I 3300
	F.L. EFF 96.2 F.L. PF 89.0			3/4 LD EFF 96.2 3/4 LD PF 86.5		1/2 LD EFF 1/2 LD PF			ELECT. TYPE SQ CAGE INV RATED				
F.L. T 587	ORQUE LB-FT	LR AMPS 1,450 1,2		1,256	L.R. TORQUE LB-FT 214%		B.D. TORQUE 1,656 LB-FT 282%			F.L. RISE (° C) 60			
SOUND 80	PRESSURE	SOU 89 (ND dBA	ROTOR 88.0	WK ² LB-FT ²	1300	MAX. LOAD WK ² LB-FT ²	SAFE S 25	TALL TIME SEC.	1	2 S/HOUR		ROX. LB.
						*** SUE	PLEMENTAL INFORMA						
DE BRACKET TYPE STANDARD		ODE BRA	ΡE	MOUNT TYPE RIGID	ORIEN	TOR SEVERE DUTY ZONTAL PREMIUM SEVERE DUTY		HAZA	ARDOUS CATION ON 2 T2B	ION DRIP COVER SCREENS		PAINT BLUE (EPOXY)	
	RINGS ODE GREASE		SHAFT		<u>,</u>		SPECIAL ODE		SHAFT	MATERIAL	FRAME MATERIAL		
ROLLER NU319		POLYR	EX EM	т			NONE		IONE	1045 HOT R	OLLED (C-204)	CAST IRON	
THERMOSTATS NONE		PROTEC NO		WDG R NON		BRG RTD's NONE			MISTORS	CONTROL FALSE		SPACE HEATERS NA	
R1 (ohms/ph) 0.012		R2 (ohn 0.00		X1 (ohm 0.08		X2 (ohms/ph) 0.185			ohms/ph) 3.834	VIBRATION (in/sec) 0.080			
* N O T								If Inverter	INVERT		for further inform CONSTANT 2:1 NONE		10:1
S						ENCODER: NONE NONE NONE NON BRAKE: NONE				PPR			
FORM: 3	DATE: DATE: 531 REV_4									ONE	NON NA ONE	E	н

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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: 445TTFCD6538

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

Catalog No : E631A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer