## **PRODUCT INFORMATION PACKET**

Model No: 445TSTFCD6528 Catalog No: E459A XRI®-SD Severe Duty Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 445TS Frame, TEFC



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marathon<sup>®</sup>

Motors



Product Information Packet: Model No: 445TSTFCD6528, Catalog No:E459A XRI®-SD Severe Duty Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 445TS Frame, TEFC

# marathon®

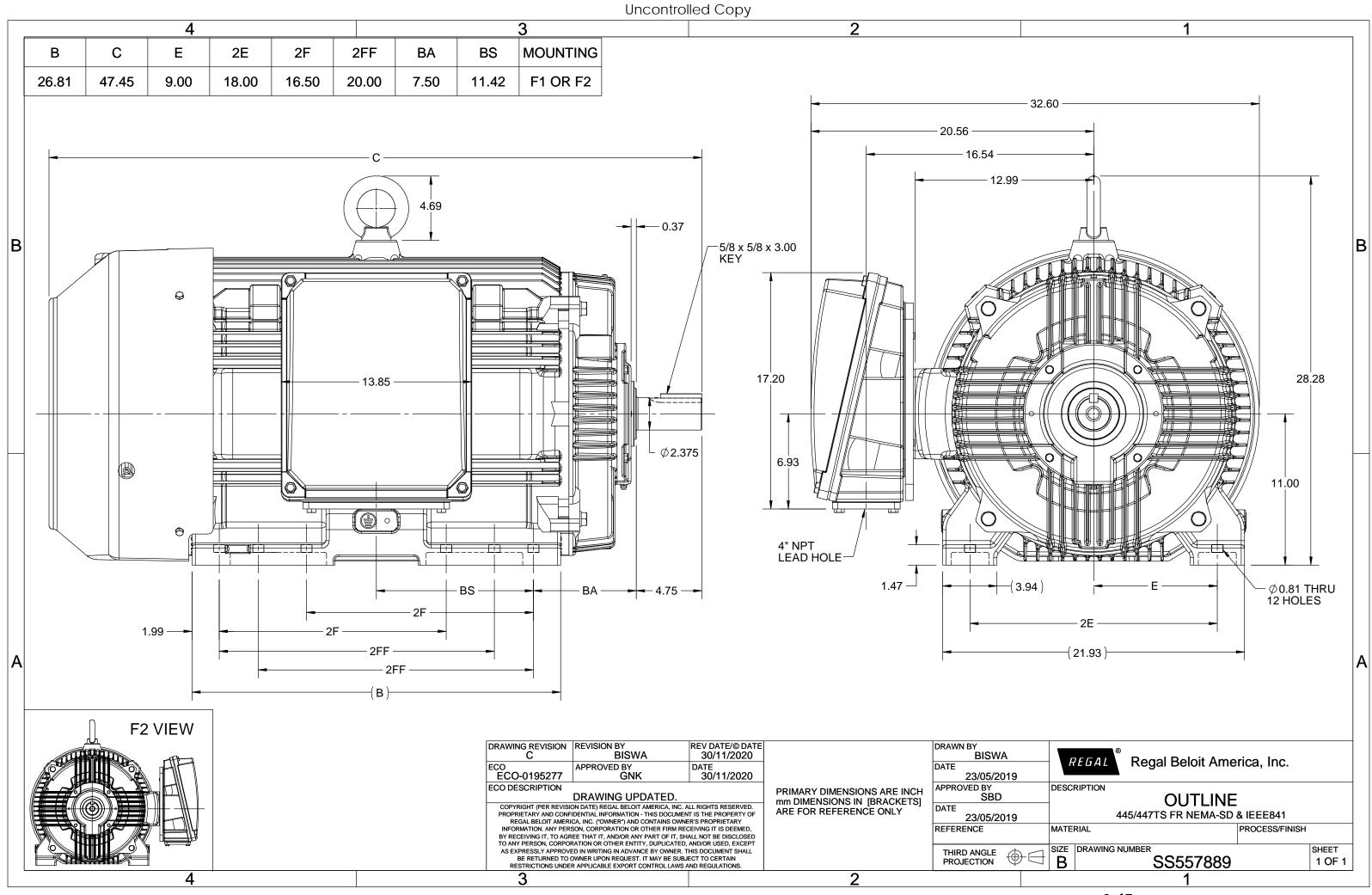
#### Nameplate Specifications

Output HP	200 Нр	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	445TS	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Ambient Temperature	40 °C			
Drive End Bearing Size	6319	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**

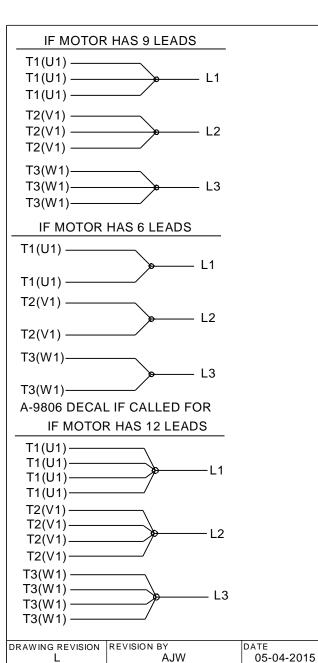
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0184 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	тѕ	Shaft Diameter	2.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7300U	Outline Drawing	SS557889

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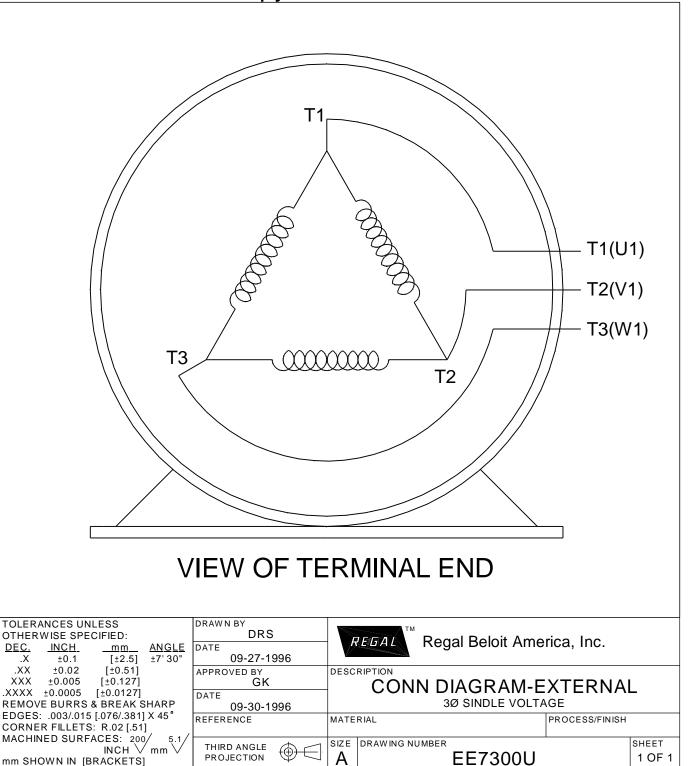
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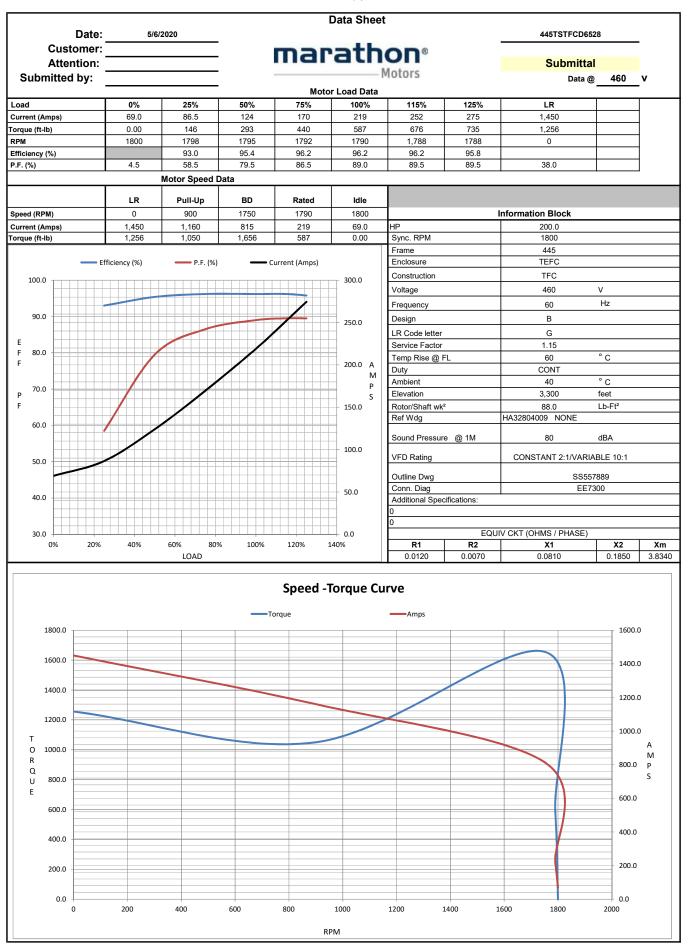
ECO DESCRIPTION



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					ma	га	thon® Motors				DATA VOLTS:	460	
						CER	TIFICATION DATA S	HEET					
CONN. D OUTLINE WINDING		EE7300 SS557889 HA:	32804009	NONE	5 <b>TV</b>	PICAL	R MOTOR PERFORMA		CAT #: MOUNTING:	445TSTFCD65 E4 F1/F2 CAPABL	159A		-
HP KW SYNC RPM		FL RPM FRAME		ENCLOSURE		TYPE KVA CODI		DE	DESIGN				
200	149	180		1790		445TS		TEFC		TFC	G		В
<b>РН</b> 3	<b>HZ</b> 60	<b>VOL</b> 46		<b>AMP</b> 219		L	START TYPE INE OR INVERTER		ONT	INSL H	<b>S.F.</b> 1.15	<b>AMB (° C)</b> 40	ELEV. (F 3300
	F.L. EFF	96.2		3/4 LD EFF	96.2		1/2 LD EFF	95.4	GTD EFF		ELECT. T	YPE	
F.L. PF				3/4 LD PF	86.5		1/2 LD PF		79.5 95.8	SQ CAGE INV RATED			
<b>F.L. 1</b> 587	ORQUE LB-FT	LR AMPS 1,450 1,256		1,256	L.R. TORQUE LB-FT 214%		B.D. TORQUE   1,656 LB-FT 282%		UE 282%	<b>F.L. RISE (° C)</b> 60			
SOUND 80	PRESSURE	<b>SOU</b> 89	ND dBA	<b>ROTOR</b> 88.0	WK <sup>2</sup> LB-FT <sup>2</sup>	1300	MAX. LOAD WK <sup>2</sup> LB-FT <sup>2</sup>	<b>SAFE S</b> 25	TALL TIME SEC.	1	2		ROX.
80	ubа	09	UDA	, 88.0							2	2231	
OD DE BRACKET TYPE		ODE BR		MOUNT TYPE		*** SUPPLEMENTAL INFORMA DTOR NTATION SEVERE DUTY		HAZARDOUS LOCATION DRIP COVE		DRIP COVER			INT
STA	NDARD	STANE	DARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE	BLUE (	EPOXY)
DE	RINGS ODE	ODE		SHAFT	TYPE	PE SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL FRAME N		IATERIAL
BALL 6319	BALL 6317	POLYRI	EX EM	TS		NONE		N	ONE	1045 HOT R	OLLED (C-204)	ED (C-204) CAST IRON	
THERMOSTATS P		PROTEC		WDG R		BRG RTD's NONE			THERMISTORS CONTROL NONE FALSE			SPACE HEATERS NA	
R1 (ohms/ph)		R2 (ohr		X1 (ohm		X2 (ohms/ph)					ON (in/sec)		
0	.012	0.0	07	0.08	1		0.185	3	.834	0.	080		
* N O T								If Inverter	INVERT		for further inforr CONSTANT 2:1 NONE		10:1
E S					ENCODER: NONE NONE NONE NONE BRAKE: NONE					PPR			
FORM: 3	DARED BY: DATE: 531 REV_4 t to change wi									ONE	NON NA DNE	E	HZ

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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: 445TSTFCD6528

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

Catalog No : E459A

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