## **PRODUCT INFORMATION PACKET**

Model No: 445THFCD9036 Catalog No: W612A XRI®-841 Severe Duty Motor, 150 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 445T Frame, TEFC



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Product Information Packet: Model No: 445THFCD9036, Catalog No:W612A XRI®-841 Severe Duty Motor, 150 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 445T Frame, TEFC

# marathon<sup>®</sup>

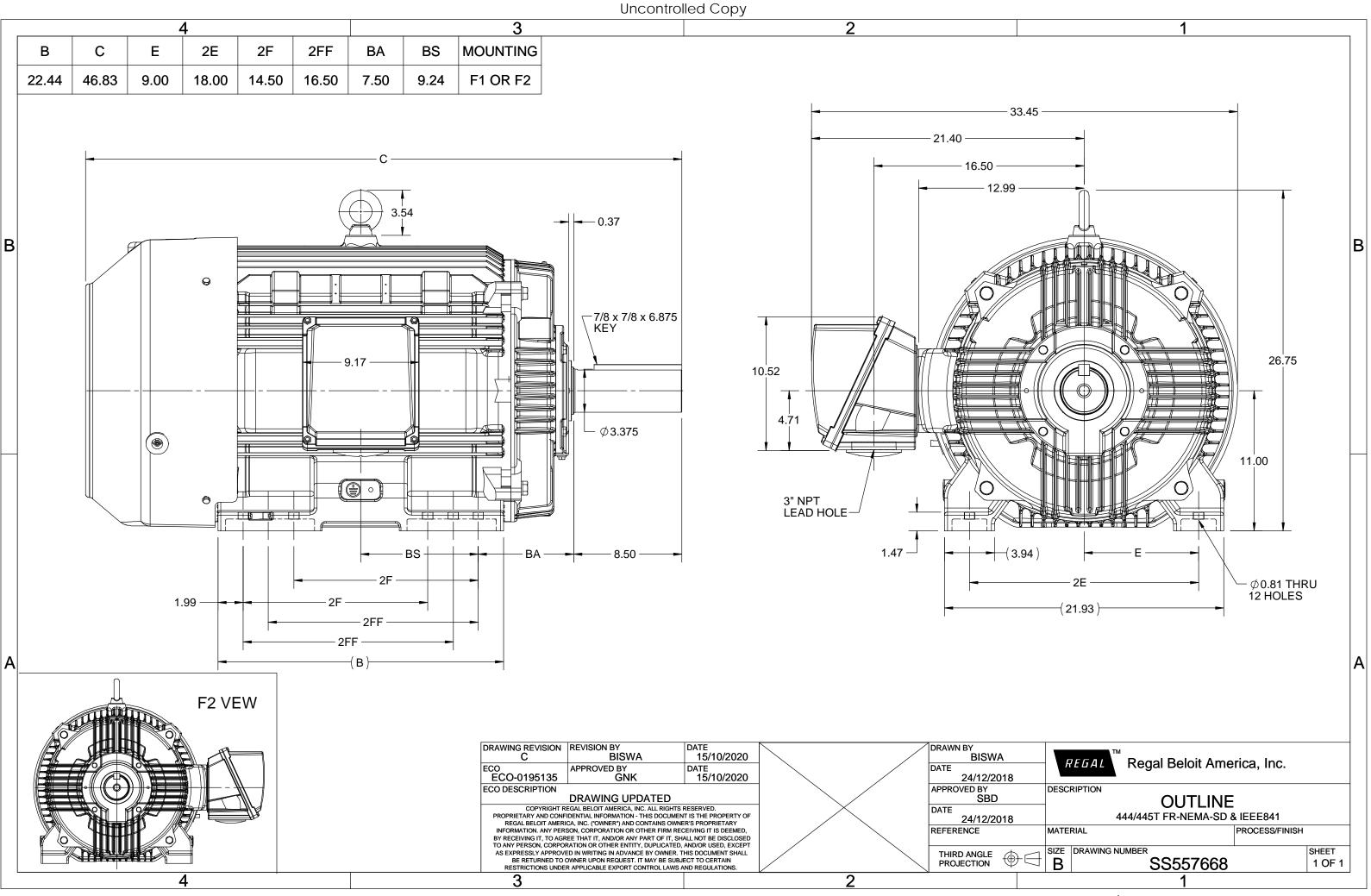
#### Nameplate Specifications

Phase	3	Output HP	150 Нр			
Output KW	112.0 kW	Voltage	460 V			
Speed	1790 rpm	Service Factor	1.15 Totally Enclosed Fan Cooled			
Frame	445T	Enclosure				
Thermal Protection	No Protection	Efficiency	95.8 %			
Ambient Temperature	40 °C	Frequency	60 Hz 87 H			
Current	169.0 A	Power Factor				
Duty	Continuous	Insulation Class				
Design Code	В	KVA Code	G			
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317			
UL	Listed	CSA	Υ			
CE	Y	IP Code	56			
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B			

### **Technical Specifications**

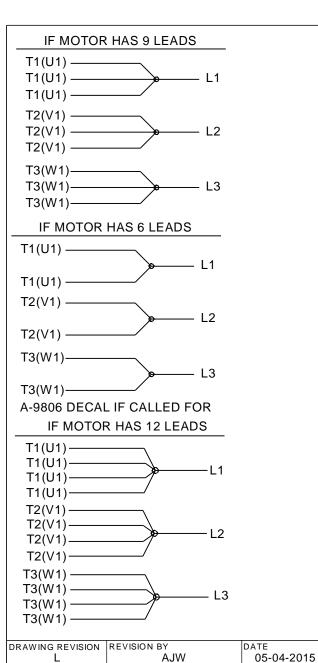
Electrical Type	cal Type Squirrel Cage Inverter Rated		Line Or Inverter		
Poles	4	Rotation	Reversible		
Resistance Main	.0294 Ohms	Mounting	Rigid Base		
Motor Orientation Horizontal		Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	т	Shaft Diameter	3.375 in		
Assembly/Box Mounting	ssembly/Box Mounting F1/F2 CAPABLE		CONSTANT 2:1/VARIABLE 10:1		
Connection Drawing EE7300U		Outline Drawing	SS557668		

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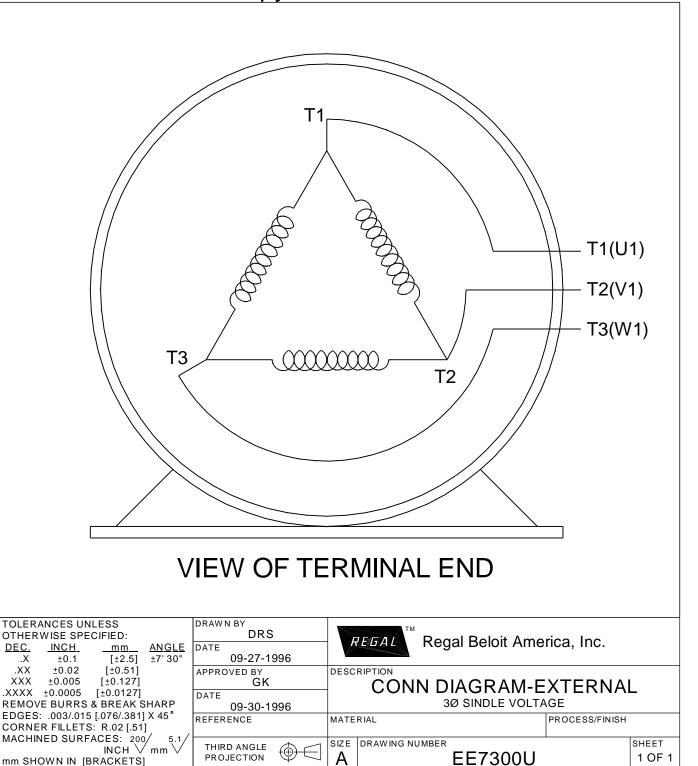
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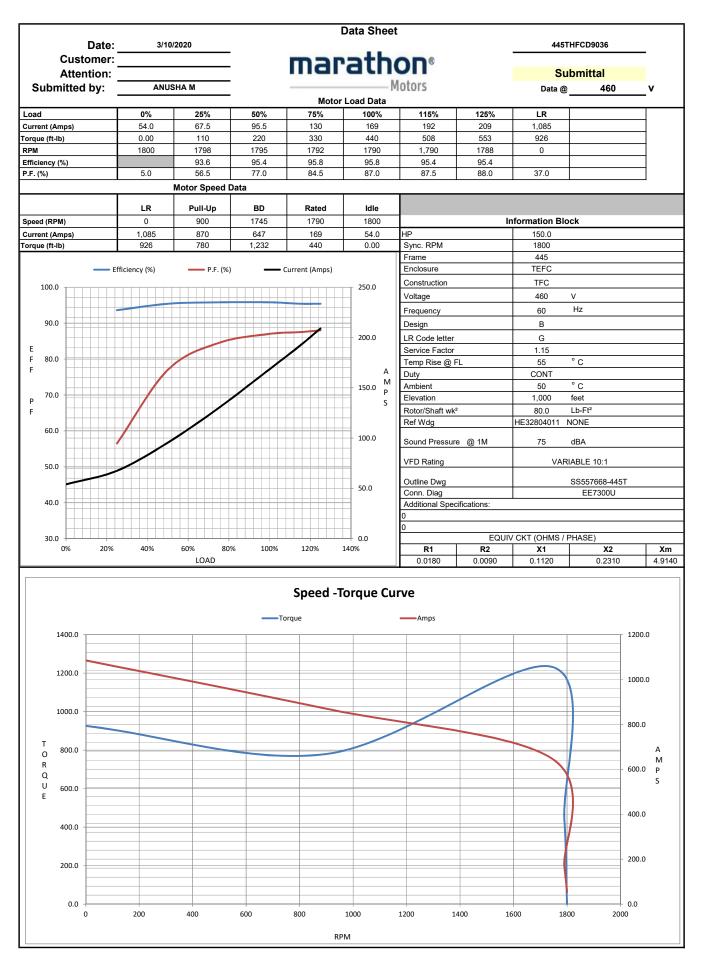
ECO-0077067

ECO DESCRIPTION



					Idi	Motors				DATA VOLTS:	460		
					CEF	RTIFICATION DATA SI	HEET						
CONN. DIA DUTLINE: WINDING:		EE7300U SS557668-445T HE32804011	NONE	4				MODEL #: CAT #: MOUNTING:		W612A		-	
				т	YPICAL	MOTOR PERFORMA	NCE DA	TA					
HP	ĸw	SYNC RPM				FRAME	ENCLOSURE		TYPE	KVA CO	DDE	DESIGN	
150	112	1800 1790		0		445T	TEFC		TFC	G		В	
<b>РН</b> 3	HZ 60	<b>VOLTS</b> 460	<b>AMPS</b> 169			START TYPE	DUTY CONT		INSL H	<b>S.F.</b> 1.15	<b>AMB (° C)</b> 40	ELEV.(Ft) 3300	
	F.L. EFF 95.8 3/4 LD EFF 95.8   F.L. PF 87.0 3/4 LD PF 84.5			1/2 LD EFF   1/2 LD PF   L.R. TORQUE   LB-FT 210%   MAX. LOAD WK <sup>2</sup>		77.0 95.4   B.D. TORQUE 1,232   LB-FT 280%   SAFE STALL TIME S			ELECT SQ CAGE I	NV RATED			
440 LB-FT SOUND PRESSURE @ SOUN		LR AMPS @ 1,085	LR AMPS @ 460 V 1,085 926					280% 55 STARTS/HOUR		(°C)			
		SOUND ROTOR WK <sup>2</sup>									APROX.	MOTOR	
75	dBA	84 <b>dBA</b>	80.0	LB-FT <sup>2</sup>	1000	LB-FT <sup>2</sup>	25	SEC.		2	1957	LB.	
DE BRACKET TYPE		ODE BRACKET TYPE	MOUNT TYPE		*** SUI TOR TATION	PPLEMENTAL INFORMA	HAZA	ARDOUS	DRIP COVER	SCREENS	PAINT		
STA	NDARD	STANDARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE	BLUE	(EPOXY)	
BEARINGS DE ODE		GREASE	SHAFT TYPE			SPECIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAME	FRAME MATERIAL	
BALL 6319	BALL 6317	POLYREX EM	POLYREX EM T			NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
THERMOSTATS		PROTECTORS	-	NDG RTD's		BRG RTD's	THERMISTORS		CONTROL		SPACE	HEATERS	
NONE R1 (ohms/ph)		NOT R2 (ohms/ph)	X1 (ohn			NONE X2 (ohms/ph)	NONE Xm (ohms/ph)		FALSE VIBRATION (in/sec)			NA	
	.018	0.009	0.1	. ,		0.231		.914		0.080 NE, contact factory	for further info	ormation	
* N O T							II		TORQUE:	VARIABLE 10:1			
E S					ENCODER: NONE NONE NONE NONE PPR								
DDI	EPARED BY:							BRAKE: NOI		NON			
FRE	DATE:	3/10/2020						FT-LB:		NA			

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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: 445THFCD9036

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

Catalog No : W612A

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