PRODUCT INFORMATION PACKET

Model No: 444THFCD19081 Catalog No: W636A XRI®-841 Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 444T Frame, TEFC



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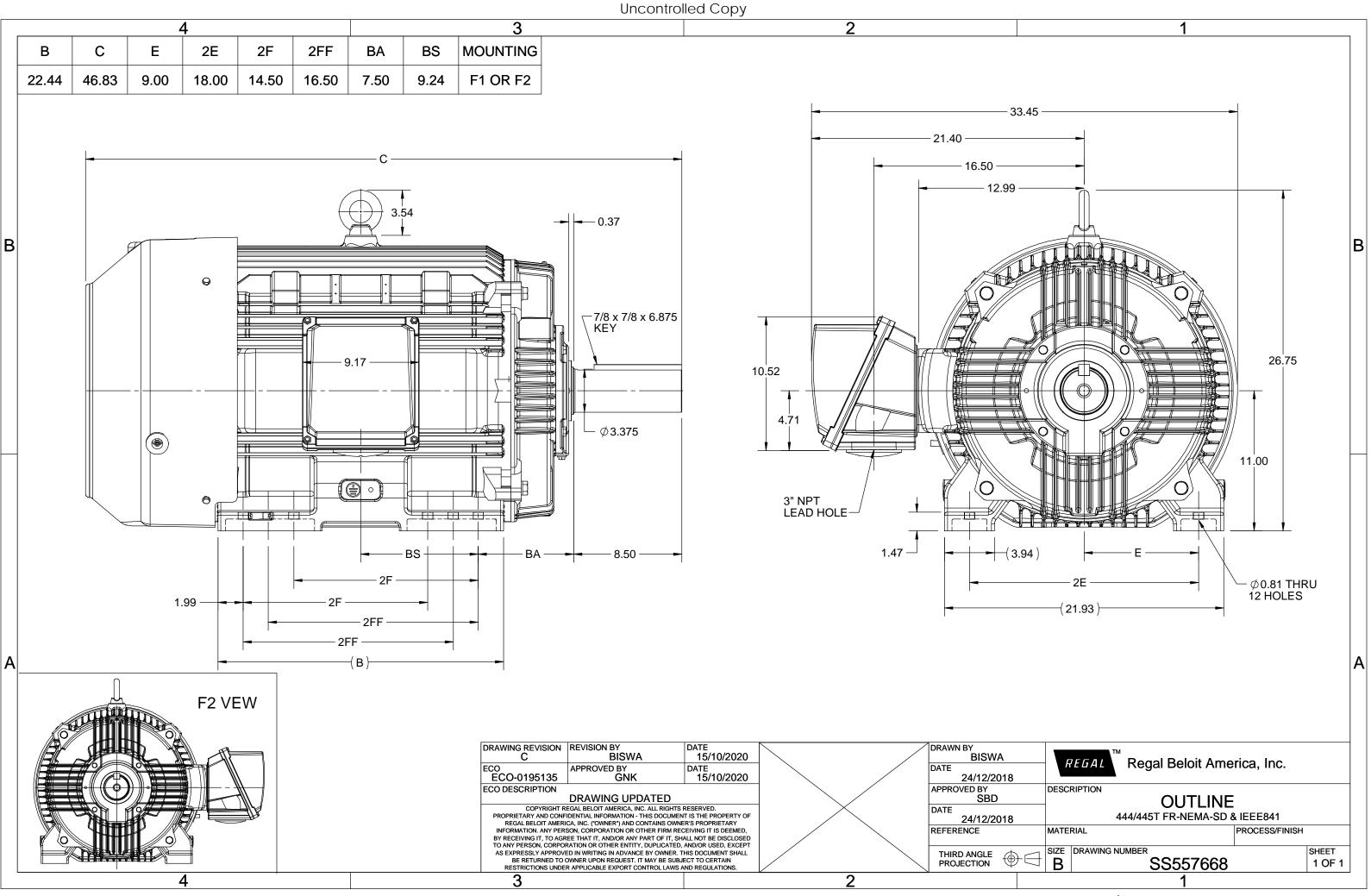
Nameplate Specifications

Output HP	100 Hp	Output KW	75.0 kW			
Frequency	60 Hz	Voltage	460 V			
Current	115.0 A	Speed	1190 rpm			
Service Factor	1.15	Phase	3			
Efficiency	95 %	Power Factor	86			
Duty	Continuous	Insulation Class	Н			
Design Code	В	KVA Code	G			
Frame	444T	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	Υ	IP Code	56			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

Technical Specifications

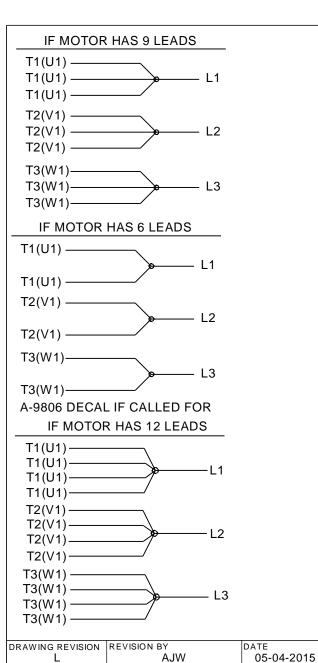
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	6	Rotation	Reversible			
Resistance Main	.0444 Ohms	Mounting	Rigid Base			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	т	Shaft Diameter	3.375 in			
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
Outline Drawing	SS557668	Connection Drawing	EE7300U			

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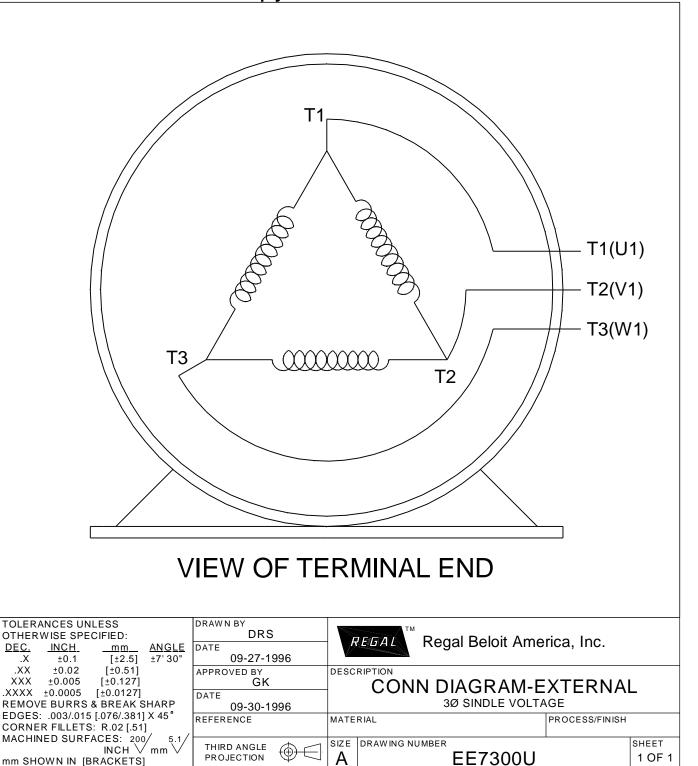
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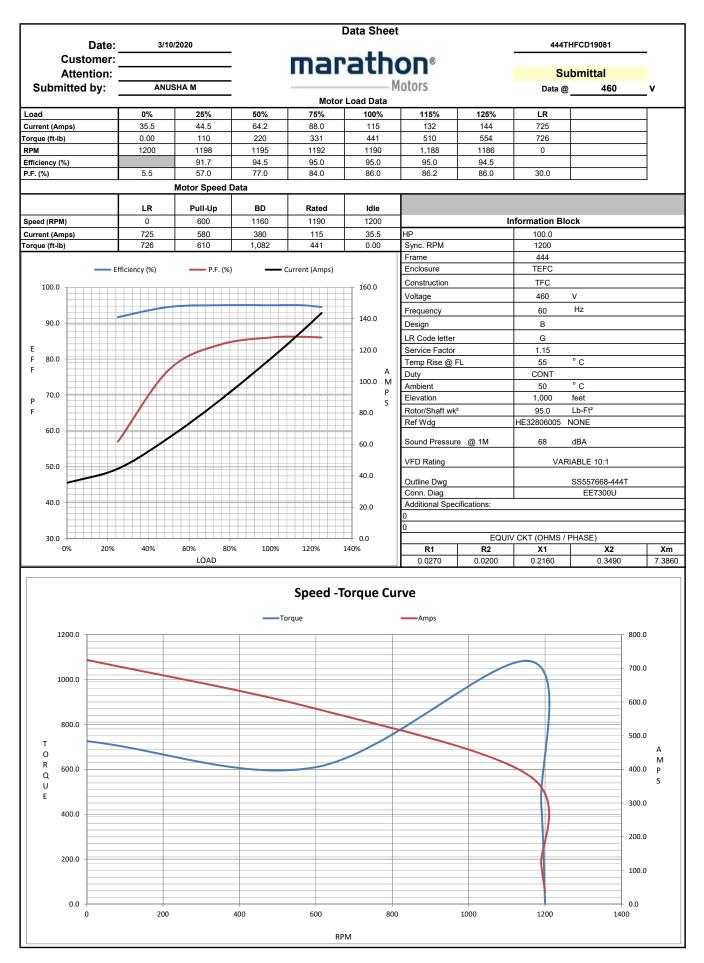
ECO DESCRIPTION



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				Π	ar	eathon®				DATA VOLTS:	460	
					CE	RTIFICATION DATA S	HEET					
CONN. DIA OUTLINE: WINDING:		EE7300U SS557668-444T HE32806005	NONE	1				MODEL #: CAT #: MOUNTING:		W636A		-
				T	YPICAL	. MOTOR PERFORM		ΑΤΑ				
HP	ĸw	SYNC RPM	FL R			FRAME	ENCLOSURE		TYPE	KVA CO	DE	DESIGN
100	75	1200	1190			444T	TEFC		TFC	G	В	
РН 3	HZ 60	460	AM			START TYPE		DUTY CONT	INSL H	S.F. 1.15	AMB (° C) 40	ELEV.(Ft) 3300
	F.L. EFF	95.0	3/4 LD EFF	95.0		1/2 LD EFF	94.5 GTD EFF		ELECT. 1		ТҮРЕ	
	F.L. PF	86.0	3/4 LD PF	84.0		1/2 LD PF	77.0	94.5		SQ CAGE I	NV RATED	
	ORQUE	LR AMPS (R. TORQUE		B.D. TORQUE		F.L. RISE	(°C)	
441	LB-FT	725		726	LB-FT	165%	1,082	LB-FT	245%	55		
	SOUND PRESSURE @ SOUI		ROTOR				SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR
68	dBA	77 dBA	95.0	LB-FT ²	1400	LB-FT ²	25	SEC.		2	1982	LB.
						PPLEMENTAL INFORM						
DE BRAG	CKET TYPE	ODE BRACKET TYPE			TOR TATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER	SCREENS	PA	INT
STA	NDARD	STANDARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVIS	SION 2 T2B	NO	NONE	BLUE	(EPOXY)
BEA	RINGS											
DE	ODE	GREASE	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL 6319	BALL 6317	POLYREX EM	Т			NONE	1	NONE	1045 HOT ROLLED (C-204)		CAST IRON	
											SPACE	HEATERS
THERMOSTATS NONE		NOT	NOI		BRG RTD's NONE		THERMISTORS NONE		FALSE		-	NA
		Nor				NONE		NONE		TALGE		NA
	hms/ph)	R2 (ohms/ph)	X1 (ohr			X2 (ohms/ph)		ohms/ph)	VIBR	ATION (in/sec)		
⁰	.027	0.02	0.2	IU		0.349		7.386 If Inverte	r equals NC	0.080 INE, contact factory f	I or further infor	mation
* N O T									TORQUE:	VARIABLE 10:1		
E								ENCODER:	NONE			
S *								NONE NONE				PPR
PRE	PREPARED BY: ANUSHA M DATE: 3/10/2020					BRAKE: NONE NONE NONE FT-LB: NA						
	31 REV_4 to change with	2/27/06 out notice.						VOLTAGE:		NONE		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: 444THFCD19081

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

Catalog No : W636A

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