PRODUCT INFORMATION PACKET



Model No: 445THFCD19071 Catalog No: W612A-P

XRI®-841 Severe Duty Motor, 150 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 445T Frame, TEFC



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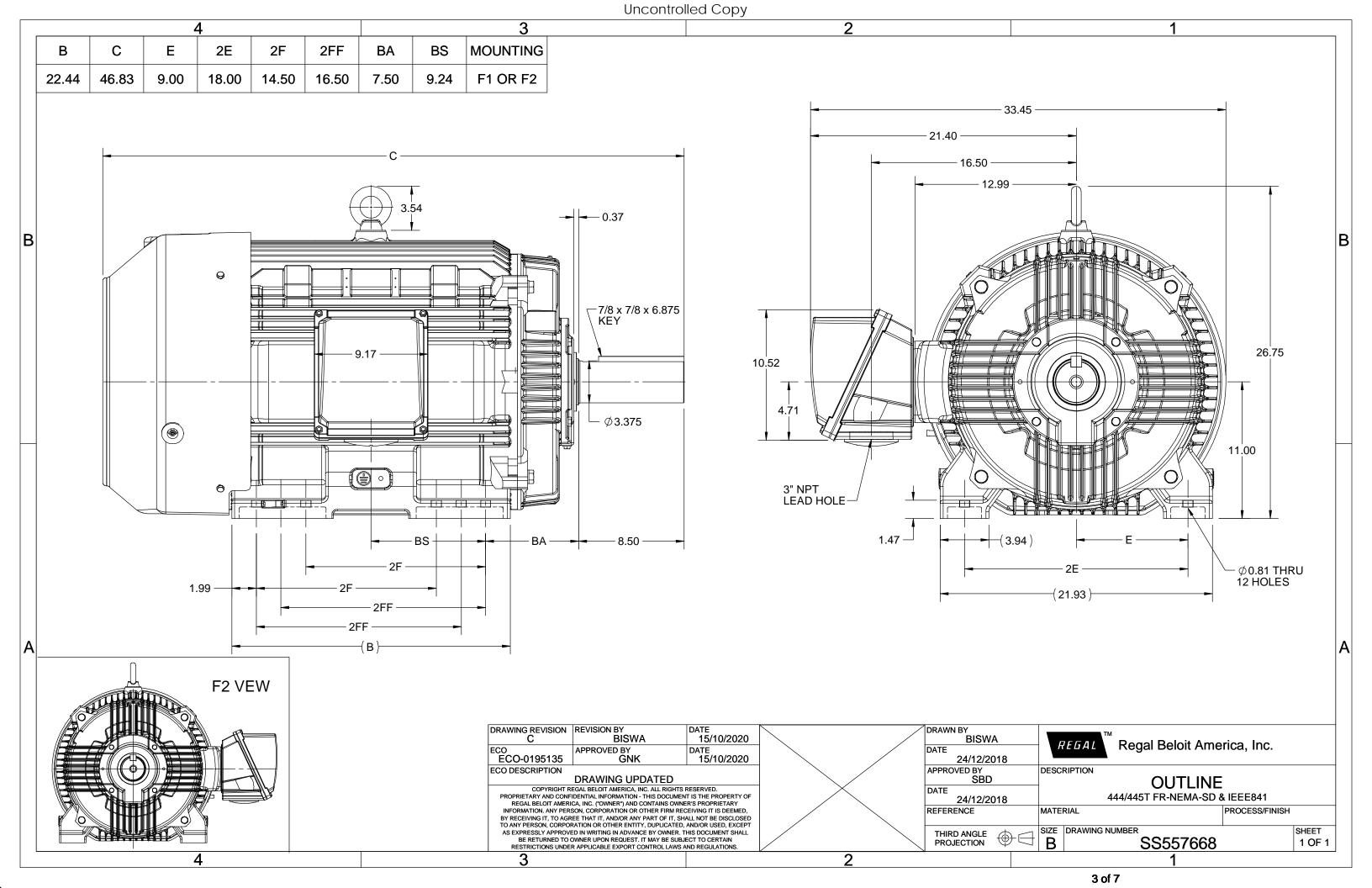
Nameplate Specifications

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

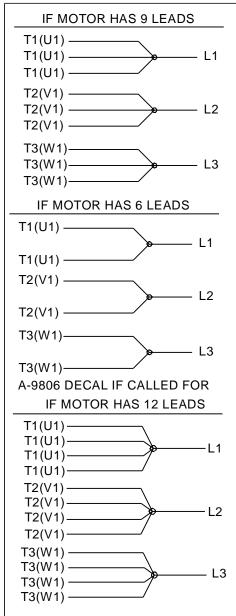
Technical Specifications

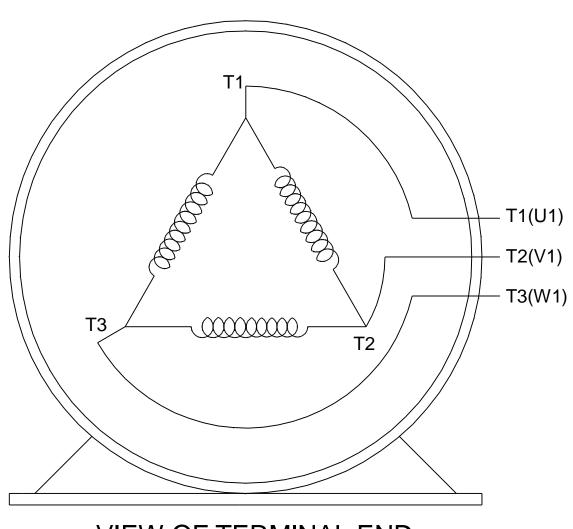
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0294 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	3.375 in
Assembly/Box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

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VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	DATE
L	AJW	05-04-2015
ECO	APPROVED BY	DATE
ECO-0077067	EWH	05-05-2015
ECO DESCRIPTION		

UPDATED TO SOLIDWORKS

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IOLLINA	TINGES ON	ILLUU	
OTHER'	WISE SPE	CIFIED:	
DEC.	INCH	<u>mm</u>	<u>ANGLE</u>
.X	±0.1	[±2.5]	±7' 30"
.XX		[±0.51]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOV	E BURRS	& BREAK S	HARP
EDGES:	.003/.015	5 [.076/.381]	X 45°
CORNE	R FILLETS	S: R.02 [.51]
MACHIN	IED SURF	ACES: 200	
		INCH ∨	
mm SHO	OWN IN [E	BRACKETS]	

TOLERANCES LINLESS

	DRAWN BY DRS DATE 09-27-1996		REGAL Regal Beloit America, Inc.					
	APPROVED BY GK DATE 09-30-1996	DESC	CONN DIAGRAM-E 3Ø SINDLE VOLTA		L			
,	REFERENCE	MATE	RIAL	PROCESS/FINISH				
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1			



DATA VOLTS: 460

CERTIFICATION DATA SHEET

 REFERENCE MODEL #:
 445THFCD19071

 CAT #:
 W612A-P

CONN. DIAGRAM: EE7300U OUTLINE: SS557668

WINDING: HA32804011 NONE 4 MOUNTING: F1/F2 CAPABLE

			IY	TYPICAL MOTOR PERFORMANCE DATA							
HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE						

HP	кw	SYNO	CRPM	FL R	PM		FRAME	ENC	LOSURE	TYPE	KVA CC	DE	DESIGN
150	112	18	300	179	0		445T		TEFC	TFC	G		В
PH	HZ	vo	LTS	AMF	PS .		START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	4	60	169)		LINE OR INVERTER	CONT		Н	1.15	40	3300
	F.L. EFF	95.8		3/4 LD EFF	95.8		1/2 LD EFF	95.4	GTD EFF		ELECT. TY	PE	
	F.L. PF	87.0		3/4 LD PF	84.5		1/2 LD PF	77.0	95.4		SQ CAGE INV	RATED	
			-										
F.L. 1	TORQUE		LR AMPS			L.	R. TORQUE		B.D. TORQI	UE	F.L. RISE	(° C)	
440	LB-FT		1,085		926	LB-FT	210%	1,232	LB-FT	280%	55		
SOUND PRESSURE SOUND		ROTOR	WK ²		MAX. LOAD WK ²	SAFE	STALL TIME	STAR	TS/HOUR	APF	ROX.		

SOUND PRESSURE		SOUND		ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR	APROX.	
75	dBA	84	dBA	80.0	LB-FT ²	1000	LB-FT ²	25	SEC.	2	1900	LB.

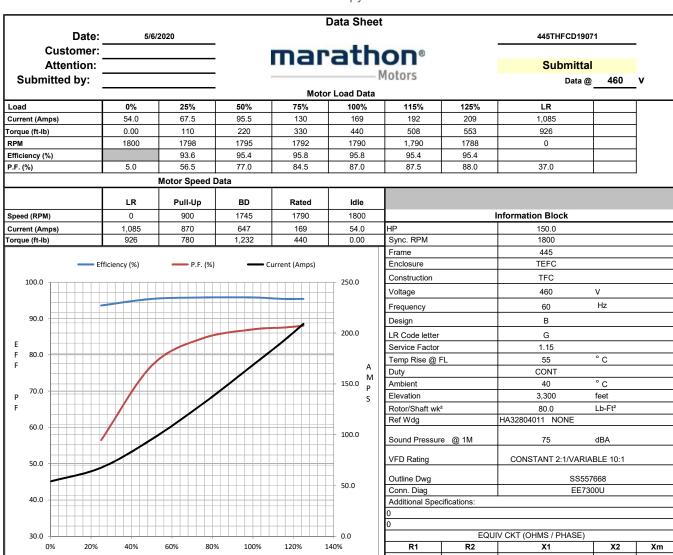
	*** SUPPLEMENTAL INFORMATION ***									
	ODE BRACKET	MOUNT	MOTOR	SEVERE DUTY	HAZARDOUS	DDID COVED	SCREENS			
DE BRACKET TYPE	TYPE	TYPE	ORIENTATION	SEVERE DUTY	LOCATION	DRIP COVER	SCREENS	PAINT		
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	NO	NONE	BLUE (EPOXY)		

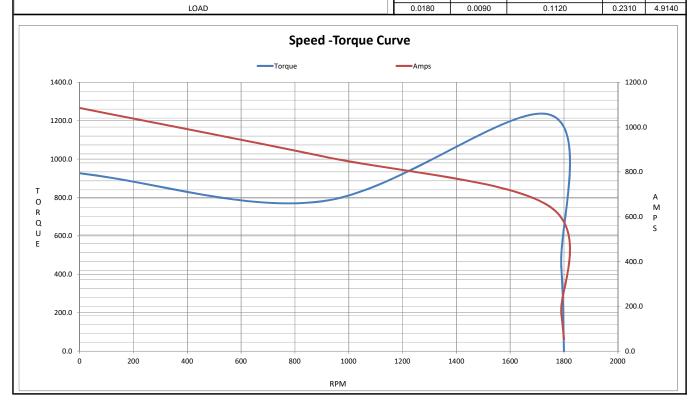
BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL		FRAME MATERIAL
DE	ODE	GREAGE	SHAFITIFE	SPECIAL DE	SPECIAL ODE	SHAFI	WATERIAL	FRANCE MATERIAL
BALL	BALL	POLYREX EM	т	NONE	NONE	1045 HOT ROLLED (C-204) CAS		CAST IRON
6319	6317	I OLINEX LIVI	'	NONE	INOINE			CASTIKON
	•					•		

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA
R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)	
0.018	0.009	0.112	0.231	4.914	0.080	

*	If Inverter equals NONE, contact factory for further information						
N	INVERTER TORQUE:	CONSTANT 2:1/VARIABLE 1	0:1				
0	INV. HP SPEED RANGE:	NONE					
Т							
E	ENCODER: NONE						
s	NONE						
*	NONE	NONE	PPR				

BRAKE: NONE NONE FT-LB: PREPARED BY: NONE 5/13/2020 NA DATE: VOLTAGE: NONE HZ: FORM: 3531 REV_4 2/27/06
** Subject to change without notice.







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: 445THFCD19071

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

Catalog No: W612A-P

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:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Julian Clark Marketing Engineer

Created on 09/01/2022

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