PRODUCT INFORMATION PACKET



Model No: 449TTFCD6538 Catalog No: E690A

XRI®-SD Severe Duty Motor, 250 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 449T Frame, TEFC



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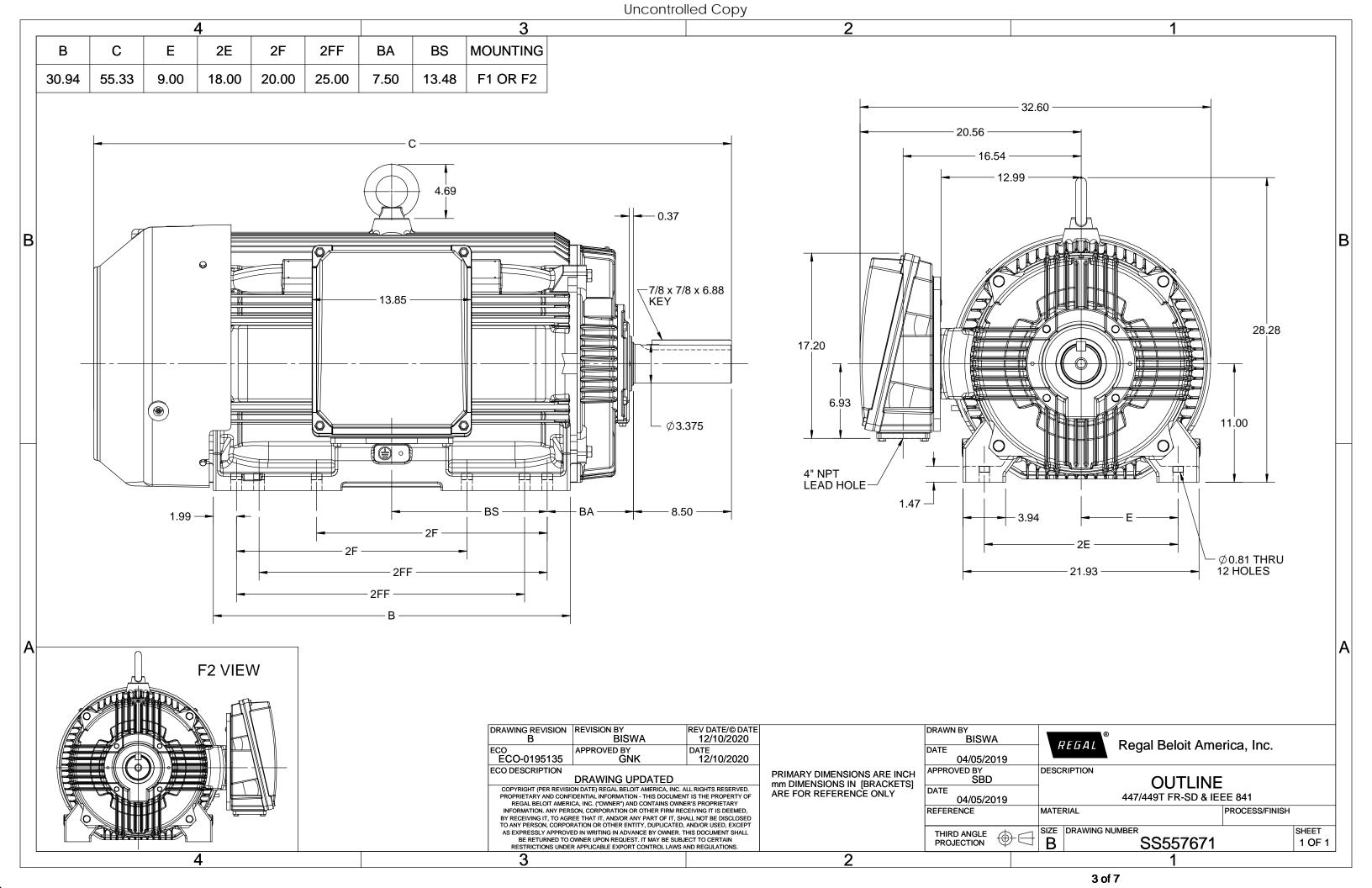
Nameplate Specifications

Output HP	250 Hp	Output KW	187.0 kW
Frequency	60 Hz	Voltage	460 V
Current	272.0 A	Speed	1790 rpm
Service Factor	1.15	Phase	3
Efficiency	96.2 %	Power Factor	89.7
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	G
Frame	449T	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	Υ
CE	Υ	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

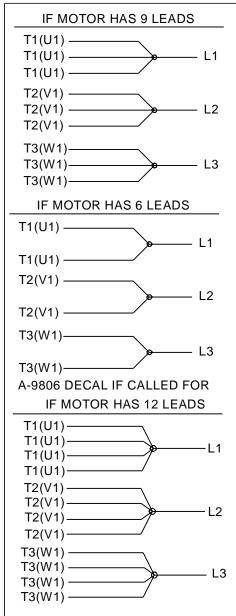
Technical Specifications

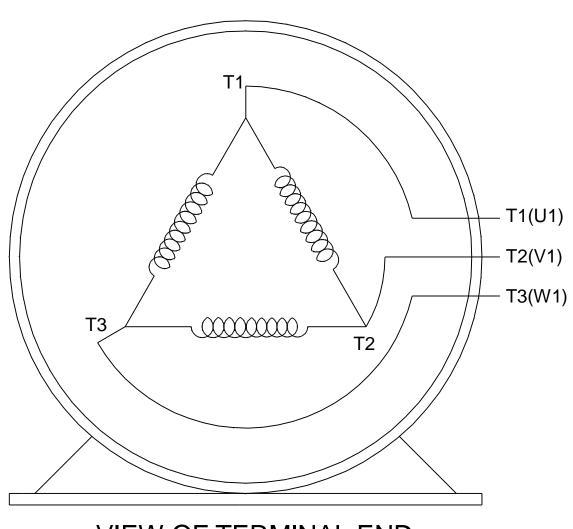
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0142 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	3.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7300U	Outline Drawing	SS557671

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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	[.076/.381]	X 45°
CORNE	R FILLETS	S: R.02 [.51]
MACHIN	IED SURF	ACES: 200	
		INCH ∨	mm 🗸
mm SHO	OWN IN [E	BRACKETS]	

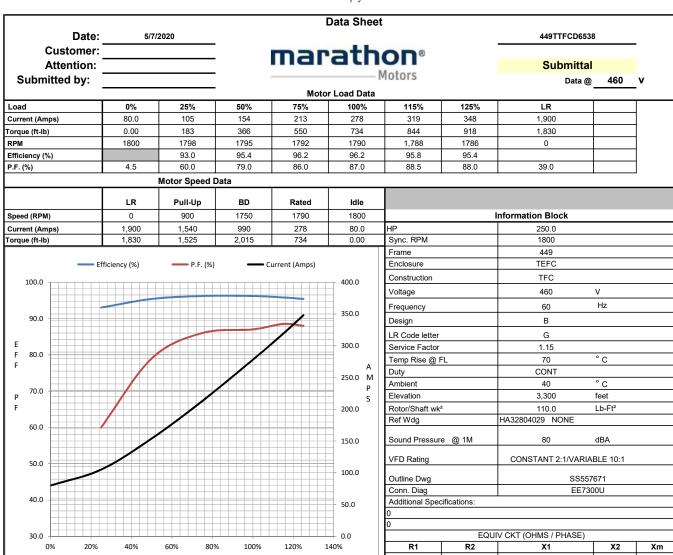
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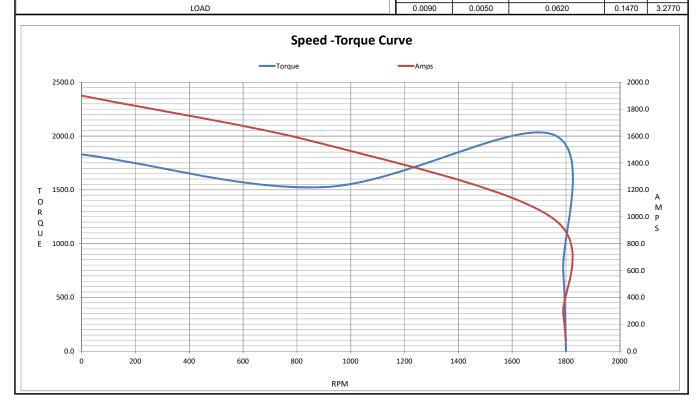
	DRAWN BY DRS DATE 09-27-1996		REGAL Regal Beloit Ame	rica, Inc.	
	APPROVED BY GK DATE 09-30-1996	CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE			
,	REFERENCE	MATE	RIAL	PROCESS/FINISH	
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1



SOUND PRESSURE SOUND ROTOR WK2 MAX. LOAD WK2 SAFE STALL TIME STARTS/HOUR STANDARD SPECIAL DE SPECIAL DE SPECIAL DE SPECIAL DE SHAFT MATERIAL FRAI STANDARD STANDARD SPECIAL DE SPECIAL DE SPECIAL DE SPECIAL DE SHAFT MATERIAL STANDARD STANDARD STANDARD SPECIAL DE SPECIAL DE SPECIAL DE SHAFT MATERIAL STANDARD STA	_
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CAT #: E690A	_
NOUNTING: HA32804029 NONE 1 NOUNTING: F1/F2 CAPABLE	
HP	
PH	
PH	DESIGN
SOUND PRESSURE SOUND ROTOR WK2 MAX. LOAD WK2 SAFE STALL TIME STARTS/HOUR STANDARD S	В
Sound Soun	° C) ELEV. (F
F.L. PF 87.0 3/4 LD PF 86.0 1/2 LD PF 79.0 95.0 SQ CAGE INV RATED F.L. TORQUE LR AMPS L.R. TORQUE B.D. TORQUE F.L. RISE (° C) 734 LB-FT 1,900 1,830 LB-FT 249% 2,015 LB-FT 275% 70 SOUND PRESSURE SOUND ROTOR WK² MAX. LOAD WK² SAFE STALL TIME STARTS/HOUR **** SUPPLEMENTAL INFORMATION **** DE BRACKET TYPE TYPE MOUNT MOTOR ORIENTATION SEVERE DUTY LOCATION DRIP COVER SCREENS STANDARD STANDARD RIGID HORIZONTAL PREMIUM SEVERE DUTY DIVISION 2 T2B NO NONE BL BEARINGS ODE DE DOE ODE ODE ODE ODE ODE ODE ODE	3300
F.L. TORQUE	
THERMOSTATS PROTECTORS NONE N	
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0.009 0.005 0.062 0.147 3.277 0.080	
* If Inverter equals NONE, contact factory for further information	
N INVERTER TORQUE: CONSTANT 2:1/VARIAI	LE 10:1
O INV. HP SPEED RANGE: NONE	
E ENCODER: NONE	
s NONE	
	NE PPR
BRAKE: NONE	
PREPARED BY: NONE NONE NONE STILE: 5/13/2020	

*		If Inverter equals NONE, contact factory for further information			
N		INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1			
0	INV. HP SPEED RANGE: NONE				
Т					
E		ENCODER: NONE			
S		NONE			
*		NONE		NONE	PPR
		BRAKE: NONE			
PREF	ARED BY:	NONE	N	IONE	
	DATE: 5/13/2020	FT-LB:	NA		
		VOLTAGE:	NONE		HZ:
	331 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: 449TTFCD6538

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

Catalog No : E690A

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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