PRODUCT INFORMATION PACKET



Model No: 449THFCD9036 Catalog No: W635A

XRI®-841 Severe Duty Motor, 350 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 449T Frame, TEFC



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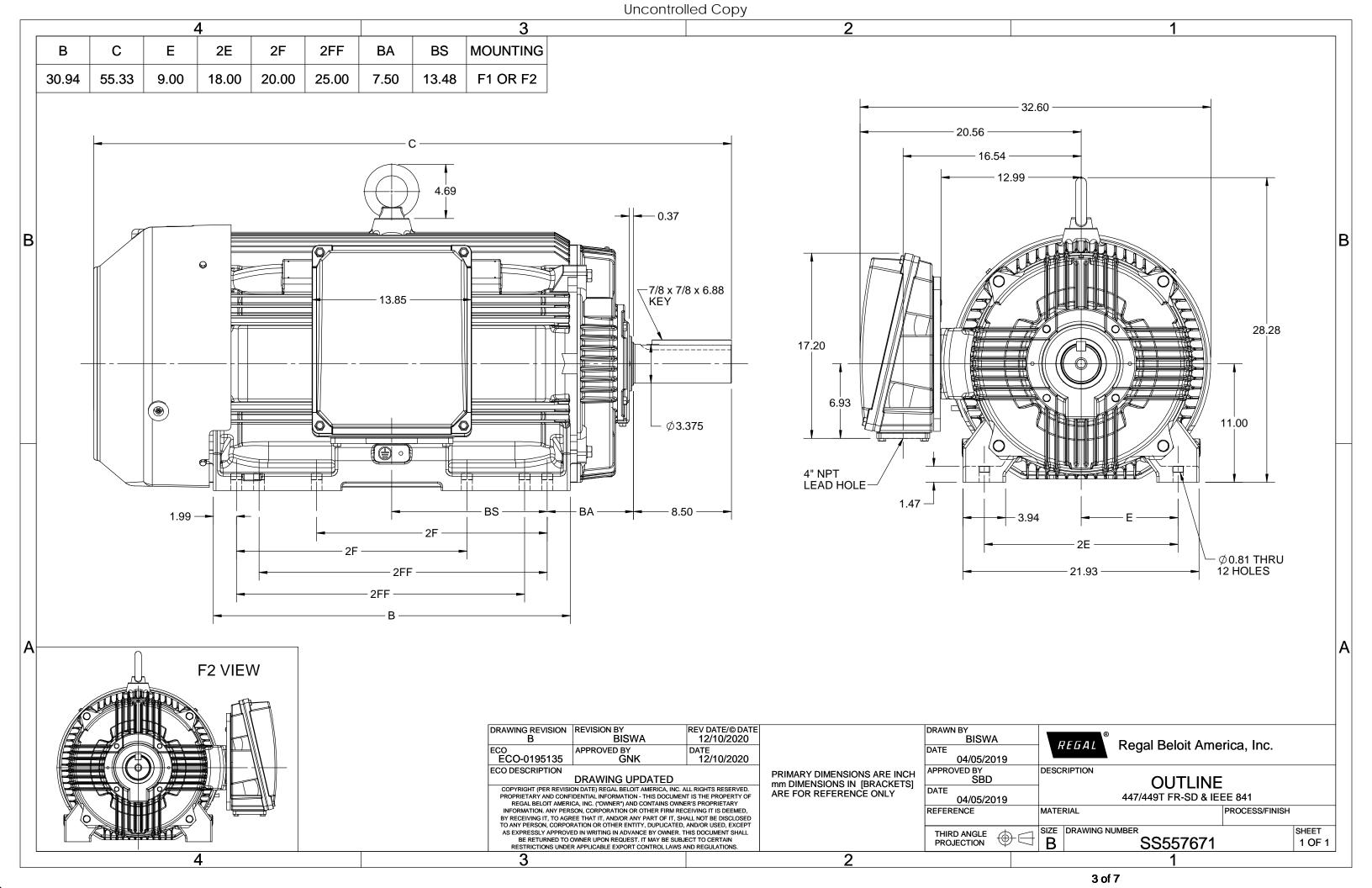
Nameplate Specifications

Output HP	350 Hp	Output KW	260.0 kW
Frequency	60 Hz	Voltage	460 V
Current	390.0 A	Speed	1789 rpm
Service Factor	1.15	Phase	3
Efficiency	96.2 %	Power Factor	87.5
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	56
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

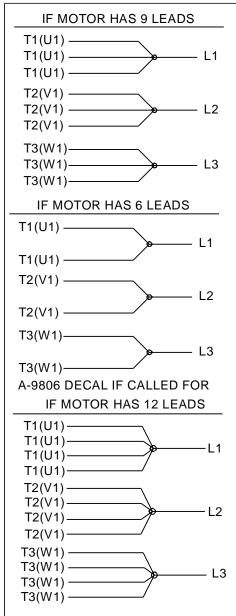
Technical Specifications

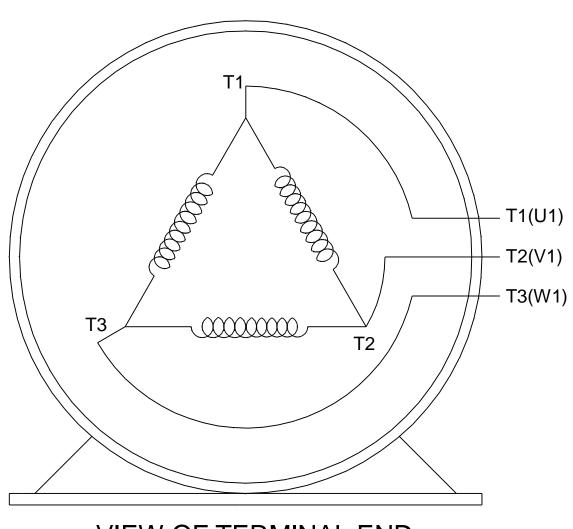
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0106 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	3.375 in
Assembly/Box 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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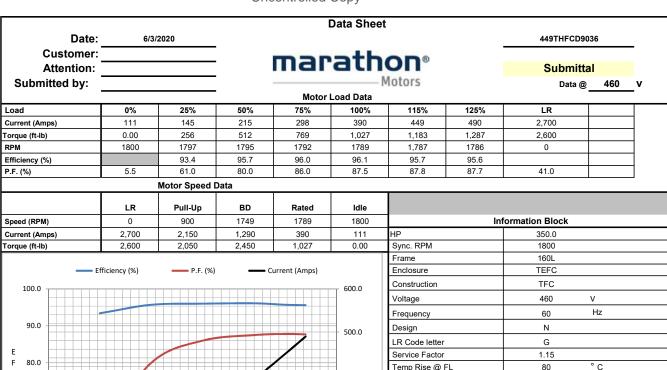
IOLLINA	TINGES ON	ILLUU							
OTHER'	WISE SPE	CIFIED:							
DEC.	INCH	<u>mm</u>	<u>ANGLE</u>						
.X	±0.1	[±2.5]	±7' 30"						
.XX		[±0.51]							
XXX	±0.005	[±0.127]							
.XXXX	±0.0005	[±0.0127]							
REMOV	E BURRS	& BREAK S	HARP						
EDGES:	.003/.015	[.076/.381]	X 45°						
CORNE	R FILLETS	S: R.02 [.51]						
MACHINED SURFACES: 200/ 5.1/									
		INCH ∨	mm 🗸						
mm SHO	OWN IN [E	BRACKETS]							

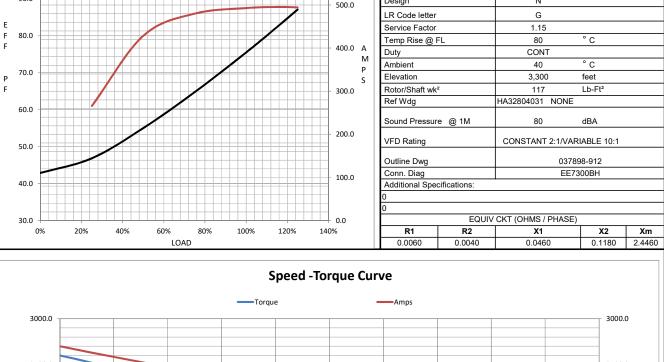
TOLERANCES LINLESS

	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	



							- IVI C	otors			DATA VOLTS:	460		
							CERTIFICATION DA	ATA SHE	EET					
CONN. DIA		EE7300BH					R	EFERENC	E MODEL #: CAT #:	449THF0	CD9036 W635A			
OUTLINE: WINDING:		SS557671 HA328040	31	NONE	1				MOUNTING:	F1/F2 C/	APABLE			
						TYPI	CAL MOTOR PERFO	RMAN	CE DATA					
HP	ĸw	SYNC	RPM	FL RE	PM	FRAME		ENCLOSURE		TYPE	KVA CODE			DESIGN
350	261	18	00	178	9		447/449T	Т	EFC	TFC	G	G		В
PH	HZ	VOL		AMP		-	START TYPE		UTY	INSL	S.F.	AMB(° C)		ELEV.(Ft)
3	60	46	60	390)	PV	VS & YDRUN OR INV		ONT	Н	1.15	40		3300
	F.L. EFF	96.1		3/4 LD EFF	96.0		1/2 LD EFF	95.7	GTD EFF			LECT. TYPE		
	F.L. PF	87.5		3/4 LD PF	86.0		1/2 LD PF	80.0	95.8		SQ CA	AGE INV RA	TED	
F.L. TO	RQUE	LR	AMPS @	460 V		L.F	R. TORQUE	Е	3.D. TORQUE		F.L. RISE (°	, C)		
	LB-FT		2,700		2,600	LB-FT	253%		LB-FT	239%	80	Ĺ		
SOLIND P	RESSURE	SOU	IND	ROTOR	WK ²		MAX. LOAD WK ²	SAFES	TALL TIME	S.	TARTS/HOUR	APROX		MOTOR WG
	dBA		dBA		LB-FT ²	2900	LB-FT ²	15	SEC.		2		LB.	MOTOR WG
		ODE BR	ACKET	· MOUNT	MO	** TOR	* SUPPLEMENTAL INF		ON ***	DRIP				
	KET TYPE	TY	PE	TYPE	ORIEN	TATION	SEVERE DUTY	LOC	ATION	COVER	SCREENS		PAI	
STAN	DARD	STANI	DARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE		BLUE (E	POXY)
BEAF DE	ODE	GRE	ASE	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE SHAFT		MATERIAL	FRAME MATERIAL		ATERIAL	
ROLLER NU319	BALL 6317	POLYR	EX EM	Т		NONE		NONE 1045		1045 H	45 HOT ROLLED (C-204)		CAST IRON	
THERMOSTATS PROTECTORS		WDG RTD's BRG RTD's		BRG RTD's	THERMISTORS			CONTROL		SPACE HEATERS				
NO	NE	NC	T	NON	E		NONE	N	ONE		FALSE		N.	A
R1 (oh	ms/ph)	R2 (ohi	ms/ph)	X1 (ohm	s/ph)	1	X2 (ohms/ph)	Xm (c	ohms/ph)	VIB	RATION (in/sec)			
	006	0.0		0.04			0.118		.446		0.080			
								If Invertor	oguala NONE	contact	factory for further info	rmotion		
N											CONSTANT 2:1/VAF		ı	
0								INV	. HP SPEED	RANGE:	NONE			
T E									ENCODER:	NONE				
s									NONE					
*									NONE	NONE		NONE	PPR	
PDER	ARED BY:								BRAKE: NON		NONE			
FREP	DATE:	6/3/2	2020						FT-LB:	_	NONE NA			
	o change w		e.						VOLTAGE:		NONE			ŀ
FORM: 35	31 REV_4	2/27/06												







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: 449THFCD9036

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

Catalog No: W635A

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:

J. Cler

Michael A. Logsdon Vice President, Technology Julian Clark Marketing Engineer

Authorized Representative in the Community:

Created on 09/01/2022

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