PRODUCT INFORMATION PACKET



Model No: 449THFCD8036 Catalog No: Y579A

Blue Max® Inverter Duty Encoder Motor, 250 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 449T Frame, TEFC



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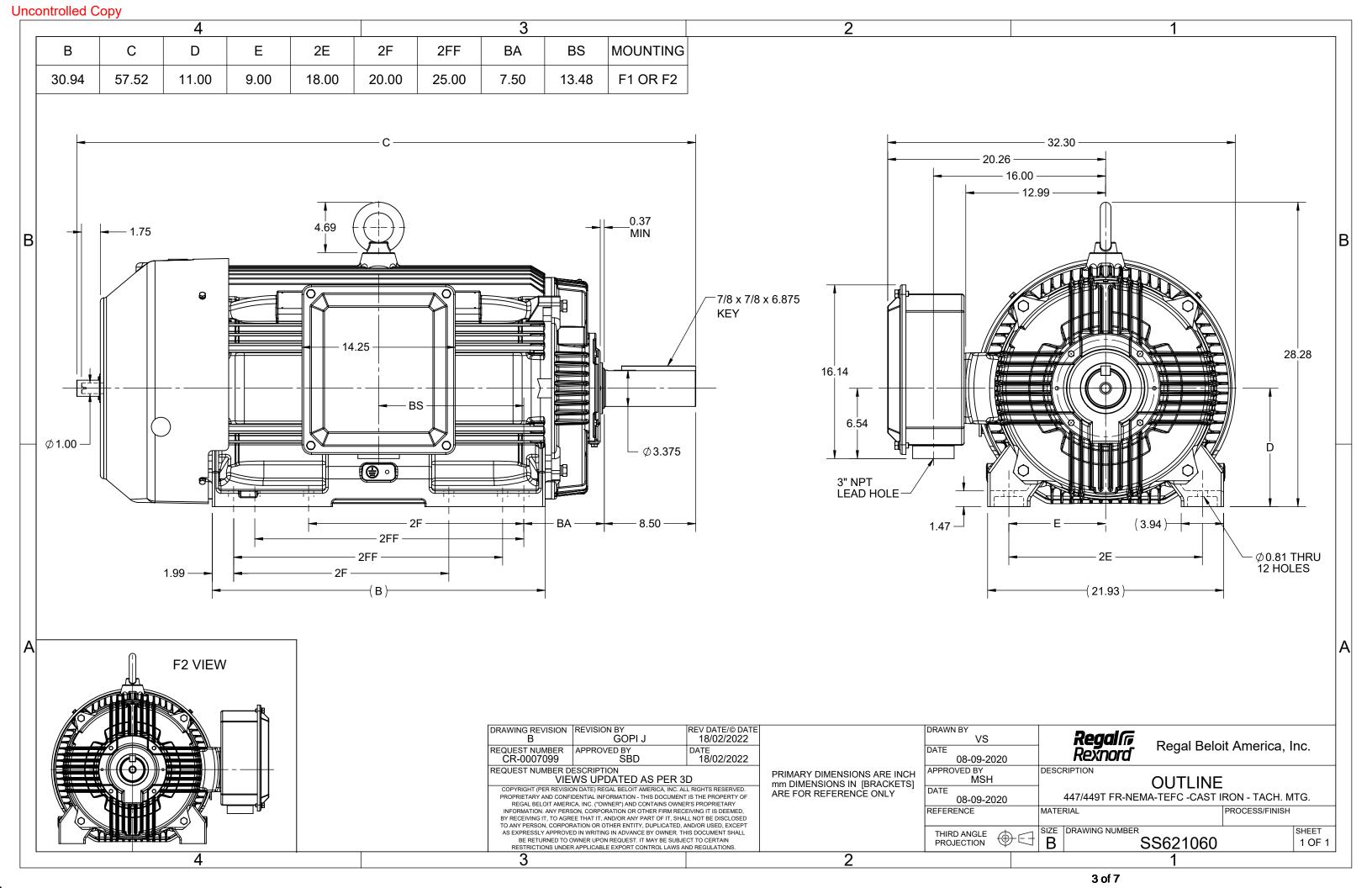
Nameplate Specifications

Output HP	250 Hp	Output KW	187.0 kW
Frequency	60 Hz	Voltage	460 V
Current	265.0 A	Speed	1785 rpm
Service Factor	1	Phase	3
Efficiency	95.8 %	Power Factor	92
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	Н
Frame	449T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317
UL	Recognized	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	1		

Technical Specifications

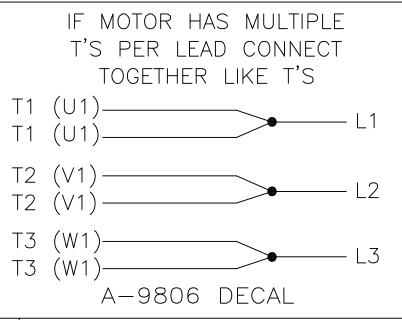
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.0174 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	3.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1
Outline Drawing	SS621060	Connection Drawing	EE7300S

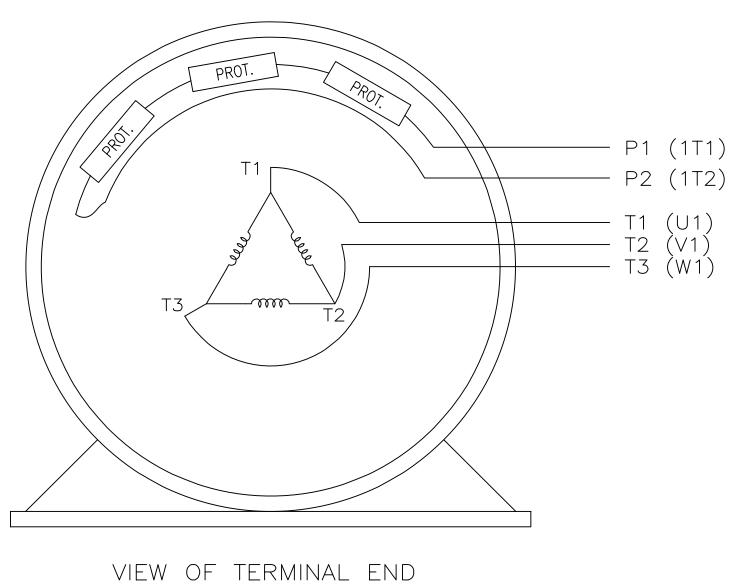
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THREE PHASE — SINGLE VOLTAGE MOTOR
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

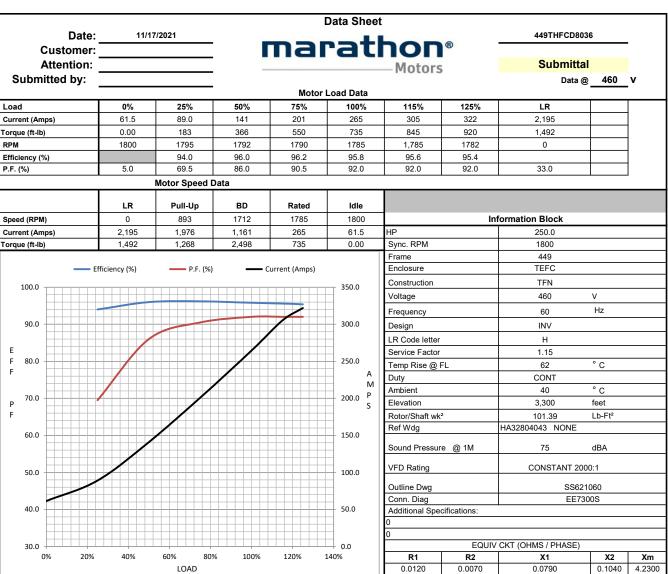


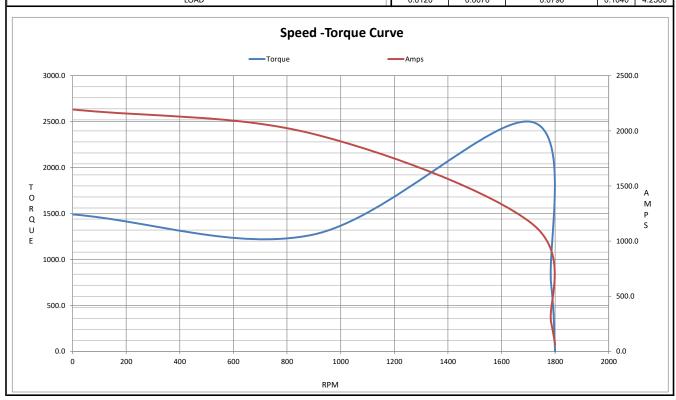


	71 3000 DE071E									
				TO UNLES	LERANCES SS SPECIFIED			DRAWN	KL 12-15	5-1999
				DEC.	INCHES	REGAL REGAL-BELOIT CO	RPORATION	СНК	DJK 12-1	5-1999
F	UPDATED TITLE BLOCK	HV 02-27-201	4 EW	⊣ .x	± -	BELOIT		APPD	DJK 12-1	5-1999
3	REMOVED "N.C." FROM PROT.'S MU61770	JJB 08-02-201	0	.xx	± -	TITLE CONNECTION DIAGRAM — EXTE	RNAL	SCALE	1=1	1
2	ADDED IEC MARKINGS MU61770	KL 09-16-200	4 EAE	3 .xxx	± -	SINGLE VOLTAGE 30 MOTOR				
1	NEW DRAWING	KL 12-16-199	9	.xxxx	± -	MAT'L. FM			FMF	
NO.	REVISION	BY & DATE	снк	ANG	± -	FINISH			PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT						CAD FILE ee7300s	SIZE DRAWING	no. page EE7300S		REV.
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EE7300S

									P.O. BOX				
manathan							WAUSAU, WI 54401-8003 PH. 715-675-3311						
marathon [®]									PH. 715-6	75-3311			
						Motors		DAT	A VOLTS:	460			
								DAI	A VOLIS.	400			
					CE	RTIFICATION DATA S	HEET						
сиѕтом	ER:						CUSTO	MER P.O. #:					
ORDER #	:	Rf						REFERENCE MODEL #: CAT #:		08036			
CONN. D		EE7300S								Y579A			
OUTLINE		SS621060	NONE					IER PART #:		ADLE			
WINDING: HA32804043 NONE 1 MOUNTING: F1/F2 CAPABLE SPEED:													
TYPICAL MOTOR PERFORMANCE DATA													
HP	ĸw	SYNC RPM	FL	. RPM		FRAME	ENCLOSURE		TYPE KVA CODE			DESIGN	
250	187	1800	1	785		447/449T	TEFC		TFN	н		INV	
PH	HZ	VOLTS	А	MPS		START TYPE		UTY	INSL	S.F.	AMB	ELEV.	
3	60	460		265		INVERTER ONLY	С	ONT	Н	1.15	40	3300	
		1											
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	96.2 90.5		1/2 LD EFF 1/2 LD PF	96.0 86.0	95.4		ELECT. SQ CAGE I			
		02.0	0/4 25 11	00.0		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	00.0	00.1		54 5/1521			
	TORQUE	LR AMPS @	460 V			TORQUE		B.D. TORQU	UE F.L. RISE (° C)				
735	LB-FT	2,195		1,492 L	.B-FT	203%	2,498	LB-FT	340%	62			
SOLIND	PRESSURE @ 3										1		
SOUND	FT.	SOUND POWER	ROT	OR WK ²		MAX. LOAD WK ²	SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT	
75	dBA	84 dBA	101.39	LB-FT ²	285	LB-FT ²	32 SEC.		2		2593	LB.	
			`										
			MOUNT		*** St	IPPLEMENTAL INFORMA		RDOUS	DRIP				
DE BE	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN			LOCATION		COVER			PAINT	
S	TANDARD	ENCODER	RIGID	HORIZON	TAL	NO	NONE		YES NONE		BLUE (ENAMEL)		
<u> </u>	EARINGS												
DE	ODE	GREASE	SHAF	FT TYPE		SPECIAL DE	SPEC	IAL ODE	SHA	FT MATERIAL	FR	AME MATERIAL	
BALL	BALL	POLYREX EM		Т		NONE	N	ONE	1045	HOT BOLLED (C 204)	CAST IRON		
6319	6317	FOLTREXEM		'	NONE			ONE	1045 HOT ROLLED (C-204)			CASTINON	
									1				
THE	RMOSTATS	PROTECTORS	wno	G RTD's		BRG RTD's	THER	MISTORS		CONTROL	SPAC	E HEATERS	
	TATS (N/C)	NOT		ONE	NONE		NONE		FALSE			NA	
R1	(ohms/ph)	R2 (ohms/ph)		hms/ph)	X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec) 0.150		FLOAT		
	0.012	0.007	0	.079		0.104		1.23	1	0.150	1	ODE	
*													
N					INVERTER TORQUE: CONSTANT 2000:1								
	0 T					INV. HP SPEED RANGE: 1.5 X BASE SPEED							
L E								ENCODER:	NONE				
s						NONE							
1						NONE NONE PPR					PPR		
								BRAKE:					
	PREPARED BY: DATE:	11/17/2021					NONE NONE FT-LB: NA						
	MAIL.							VOLTAGE:		NA NONE		HZ:	
FORM: 3	531 REV 4	2/27/06					UL:		ST, OVERHE	EAT PRT DEV UL REC		nz.	







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: 449THFCD8036

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

Catalog No: Y579A

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. cers

Michael A. Logsdon Vice President, Technology

Marketing Engineer

Julian Clark

Created on 09/01/2022

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