PRODUCT INFORMATION PACKET



Model No: 449TTFCD16553 Catalog No: E776A

XRI®-SD Severe Duty Motor, 400 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 449T Frame, TEFC



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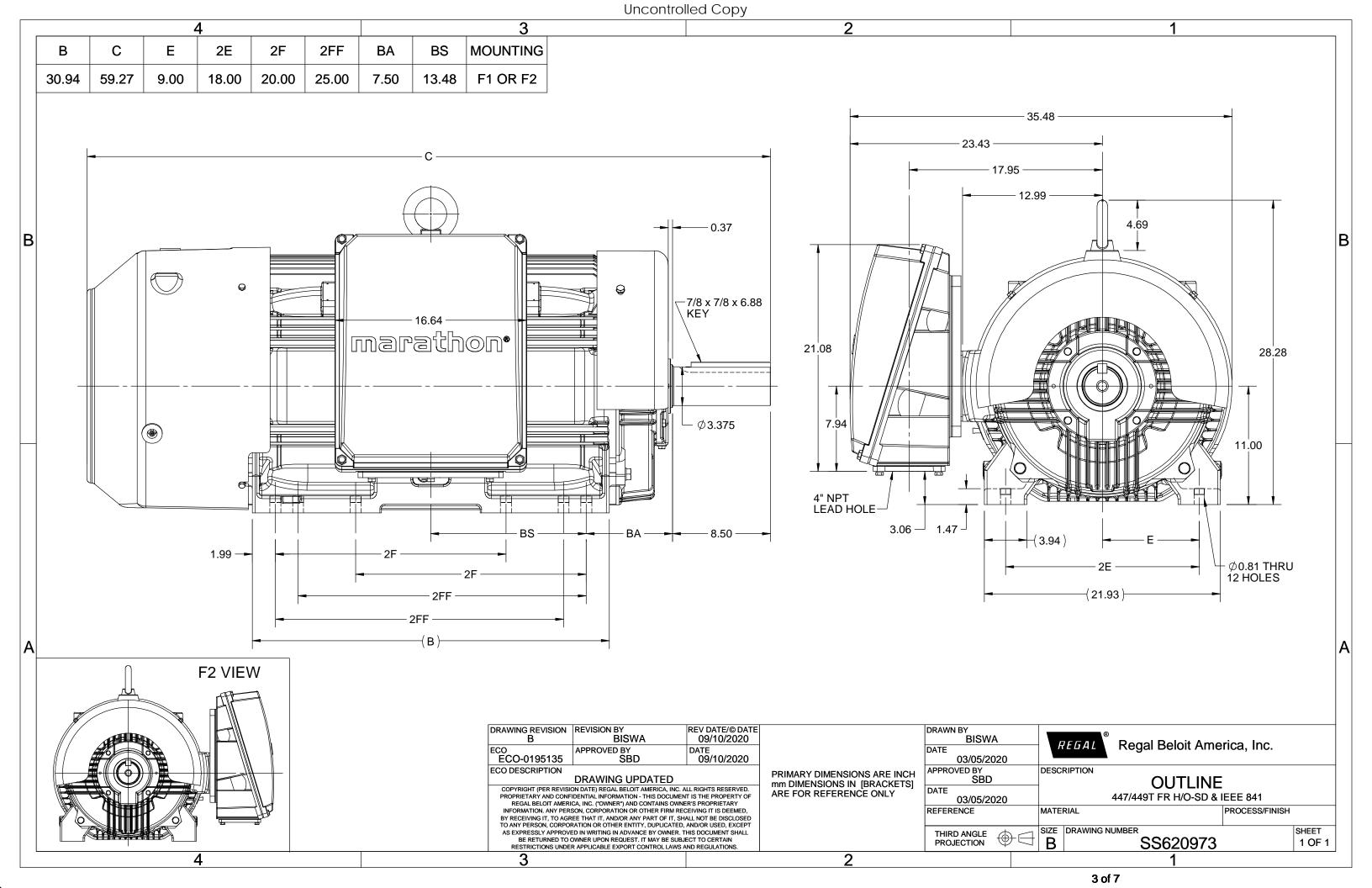
Nameplate Specifications

Output HP	400 Hp	Output KW	300.0 kW
Frequency	60 Hz	Voltage	460 V
Current	440.0 A	Speed	1788 rpm
Service Factor	1.15	Phase	3
Efficiency	96.2 %	Power Factor	88
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	6319	Opp Drive End Bearing Size	6317
UL	Listed	CSA	Υ
CE	Υ	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

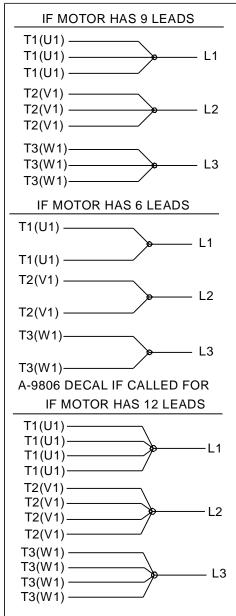
Technical Specifications

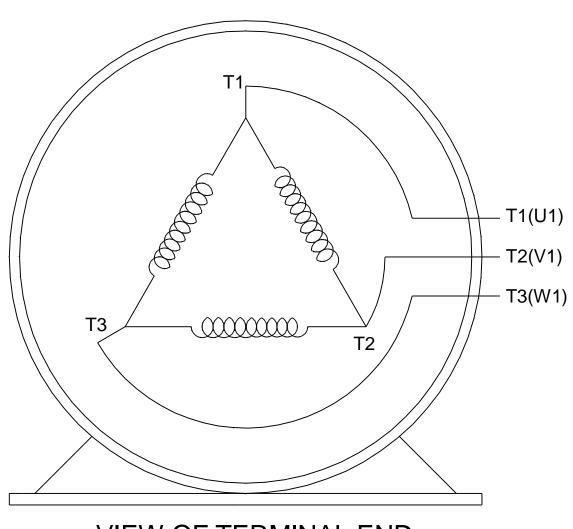
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.009 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	3.375 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Outline Drawing	SS620973	Connection Drawing	EE7300U

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Uncontrolled Copy





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]	

TOLERANCES LINLESS

	DRAWN BY DRS DATE 09-27-1996		REGAL Regal Beloit Ame	rica, 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

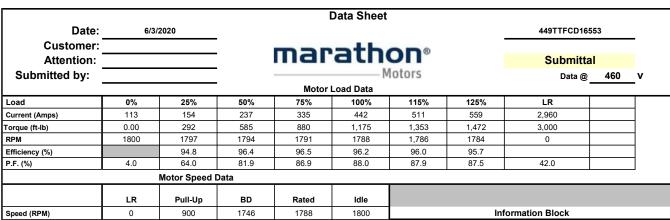


DATA VOLTS: 460

							IVIO	1013			DATA VOLTS:	460		
							CERTIFICATION DA	TA SHE	EET					
CONN. DIA DUTLINE: WINDING:		EE7300BF SS620973 HA328040		NONE	1		R		E MODEL #: CAT #: MOUNTING:		E776A			
		10200 10	02	110112	·	TVDI	CAL MOTOR PERFO			2 0,	1171022			
НР	ĸw	SYNC	RPM	FL RI	PM		FRAME		LOSURE	TYPE	KVA COD	 E		DESIGN
400	298	18	00	178	8		447/449T	Т	EFC	TFC	G			В
PH	HZ	VO	LTS	AMF	ne .		START TYPE	-	OUTY	INSL	S.F.	AMB(° C)		ELEV.(Ft)
3	60		60	442		PV	VS & YDRUN OR INV		ONT	H	1.15	40		3300
	F.L. EFF	96.2		3/4 LD EFF	96.5		1/2 LD EFF	96.4	GTD EFF			ECT. TYPE		
	F.L. PF	88.0		3/4 LD PF	86.9		1/2 LD PF	81.9	95.8		SQ CA	GE INV RA	HED	
F.L. TO	ORQUE	LR	AMPS@	460 V		L.R	R. TORQUE	E	3.D. TORQUE	: 1	F.L. RISE (°	C)		
1,175	LB-FT		2,960		3,000	LB-FT	255%	2,500	LB-FT	213%	85			
SOLIND P	RESSURE	sou	IND	ROTOR	WK ²		MAX. LOAD WK ²	SAFES	TALL TIME	S	TARTS/HOUR	APROX		MOTOR WGT
	dBA		dBA		LB-FT ²	2500	LB-FT ²	20	SEC.		2		LB.	morok wor
DE BRAC	KET TYPE	ODE BF	ACKET PE	MOUNT TYPE		TOR TATION	* SUPPLEMENTAL INFO	HAZA	ON *** ARDOUS CATION	DRIP COVER	SCREENS		PAII	NT
	IDARD		DARD	RIGID		ZONTAL	PREMIUM SEVERE DUTY		ON 2 T2B	NO	NONE		BLUE (E	
DE	RINGS ODE	GRE	ASE	SHAFT	TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	T MATERIAL		FRAME MATERIAL	
BALL 6319	BALL 6317	POLYF	REX EM	Т			NONE	N	IONE	1045 H	OT ROLLED (C-204)	CAST IRON		RON
THERM	OSTATS	PROTE	CTORS	WDG R	TD's		BRG RTD's	THER	MISTORS		CONTROL	SPA	ACE	HEATERS
NC	NE	N	TC	NON	ΙE		NONE	N	IONE		FALSE		N/	1
R1 (oh	ıms/ph)	R2 (oh	ms/ph)	X1 (ohm	ns/ph)		X2 (ohms/ph)	Xm (c	ohms/ph)	VIBI	RATION (in/sec)	l		
	006	0.0		0.04			0.113		2.375		0.080			
* N O										ORQUE:	factory for further info CONSTANT 2:1/VAF NONE		1	
T E S									ENCODER: NONE	NONE				
*									NONE BRAKE:	NONE		NONE	PPR	
PREP	ARED BY:	6/3/	2020						NON FT-LB:		NONE NA			
	to change w	ithout notic							VOLTAGE:		NONE			H
FORM: 35	31 REV_4	2/27/06												

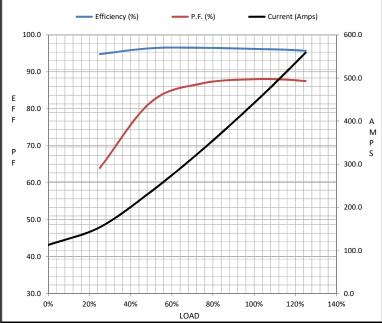
442

1,175



113

0.00



2,370

2,500

1,390

2,500

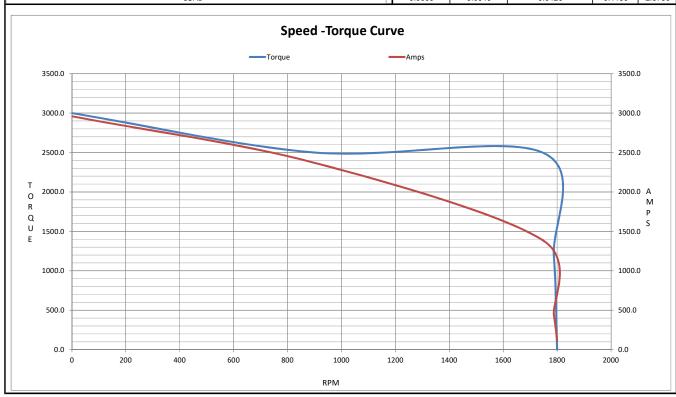
2,960

3,000

Current (Amps)

Torque (ft-lb)

	lr	nformation Block						
HP		400.0						
Sync. RPM		1800						
Frame		160L						
Enclosure		TEFC						
Construction		TFC						
Voltage		460	460 V					
Frequency		60	Hz					
Design		N						
LR Code letter		G						
Service Factor		1.15						
Temp Rise @ F	FL .	85	° C					
Duty		CONT						
Ambient		40	° C					
Elevation		3,300	feet					
Rotor/Shaft wk	2	131.5	Lb-Ft²					
Ref Wdg		HA32804032 NON	E					
Sound Pressur	e @ 1M	85	dBA					
VFD Rating		CONSTANT 2:1/VARIABLE 10:1						
Outline Dwg		037898-912						
Conn. Diag		EE7300BH						
Additional Spec	cifications:							
0								
0								
		/ CKT (OHMS / PHAS						
R1	R2	X1	X2	Xm				
0.0060	0.0040	0.0420	0.1130	2.3750				





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: 449TTFCD16553

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

Catalog No : E776A

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

Created on 09/01/2022

Julian Clark Marketing Engineer

C€ 22