PRODUCT INFORMATION PACKET



Model No: 445TTFCD6538 Catalog No: E631A

XRI®-SD Severe Duty Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 445T Frame, TEFC





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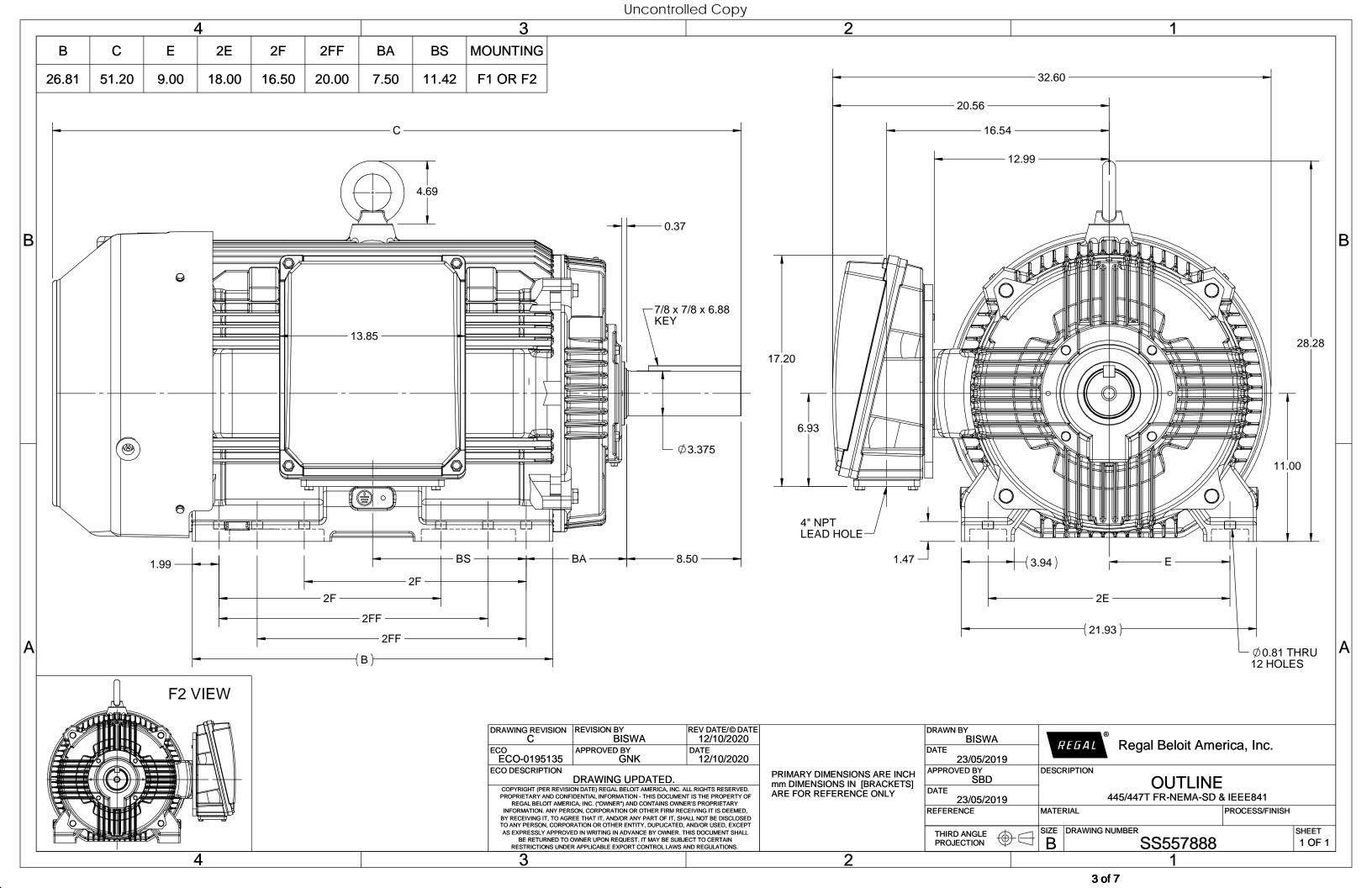
Nameplate Specifications

Phase	3	Output HP	200 Hp
Output KW	149.0 kW	Voltage	460 V
Speed	1790 rpm	Service Factor	1.15
Frame	445T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	96.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	219.0 A	Power Factor	88.5
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	NU319	Opp Drive End Bearing Size	6317
UL	Listed	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

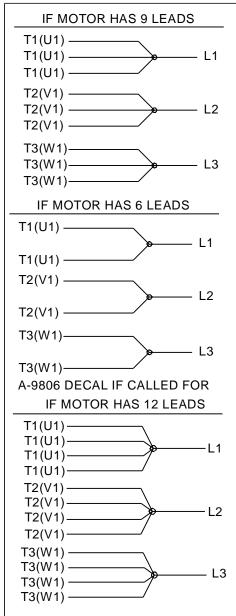
Technical Specifications

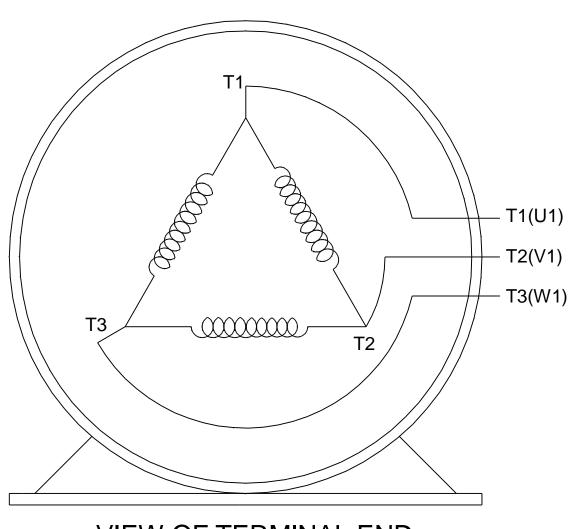
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0184 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	3.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7300U	Outline Drawing	SS557888

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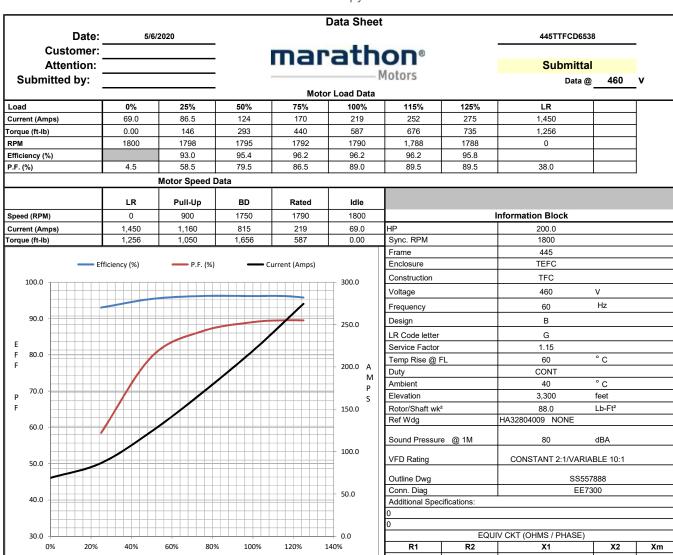
IOLLINA	TINGES ON	ILLUU	
OTHER'	WISE SPE	CIFIED:	
DEC.	INCH	<u>mm</u>	<u>ANGLE</u>
.X	±0.1	[±2.5]	±7' 30"
.XX		[±0.51]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOV	E BURRS	& BREAK S	HARP
EDGES:	.003/.015	[.076/.381]	X 45°
CORNE	R FILLETS	S: R.02 [.51]
MACHIN	IED SURF	ACES: 200	
		INCH ∨	mm 🗸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

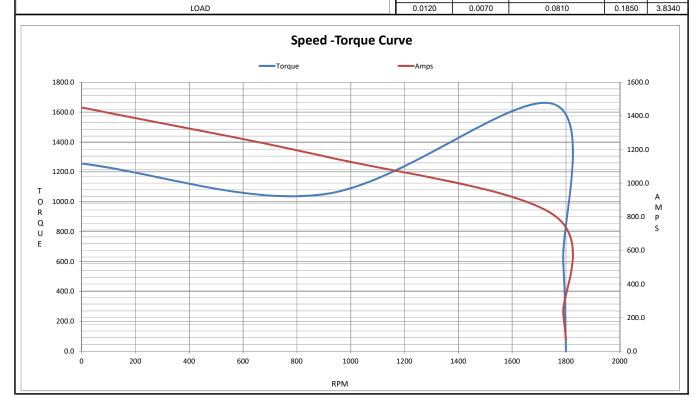
TOLERANCES LINLESS

	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	



											DATA VOLTS:	460	
						CER	TIFICATION DATA S	HEET					
CONN. DIAGRAM: EE7300 OUTLINE: SS557888						F	REFERENCE MODEL #: 445TTFCD6538 CAT #: E631A				-		
WINDING:			32804009	NONE	5					F1/F2 CAPABL	.E		
						PICAL I	MOTOR PERFORMA						
HP 200	KW 149	SYNC 18		FL RF			FRAME 445T	ENCLOSURE		TYPE	KVA CODE G		DESIGN
200	149	10	00	179	<u>, </u>		4451		TEFC	IFC			<u> </u>
PH	HZ	VOL		AMP			START TYPE		DUTY	INSL	S.F.		ELEV. (Ft
3	60	46	80	219	1	L	INE OR INVERTER	C	CONT	Н	1.15	40	3300
	F.L. EFF	96.2		3/4 LD EFF	96.2		1/2 LD EFF	95.4	GTD EFF		ELECT. T	YPE	
	F.L. PF	89.0		3/4 LD PF	86.5		1/2 LD PF	79.5	95.8		SQ CAGE INV		
	ORQUE		LR AMPS				. TORQUE		B.D. TORQ		F.L. RISE	(° C)	
587	LB-FT		1,450		1,256	LB-FT	214%	1,656	LB-FT	282%	60		
SOUND F	RESSURE	sou	JND	ROTOR	WK²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	API	ROX.
80	dBA		dBA		LB-FT ²	1300	LB-FT ²	25	SEC.		2		LB.
	KET TYPE	ODE BR	PE	MOUNT TYPE	ORIEN	TOR ITATION	PLEMENTAL INFORMA SEVERE DUTY	HAZ/ LO	ARDOUS CATION	DRIP COVER	SCREENS		AINT
STAN	NDARD	STANI	DARD	RIGID	HORI	ZONTAL	PREMIUM SEVERE DUTY	DIVIS	ION 2 T2B	NO	NONE	BLUE ((EPOXY)
BEARINGS DE ODE		GRE	ASE	SHAFT	ГҮРЕ	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME N	MATERIAL
ROLLER NU319	6317	POLYR	EX EM	Т			NONE NONE		IONE	1045 HOT ROLLED (C-204)		CAST IRON	
													ACE
THERMOSTATS NONE		PROTE		WDG R			BRG RTD's NONE	THERMISTORS NONE		CONTROL FALSE		HEATERS NA	
INC	JIVL	INC		NON			NONE		IONE	17	LOL .	· '	<u> </u>
R1 (ohms/ph) 0.012		R2 (oh		X1 (ohm 0.08			X2 (ohms/ph) 0.185		ohms/ph) 3.834		ON (in/sec) 080		
*								If Inverter		, contact factory			40.4
N O										TER TORQUE: PEED RANGE:		/VARIABLE	10:1
T									IIIV. HE SI	LLD NANGE:			
E									ENCODER:	NONE			
S									NONE				
									NONE BRAKE:	NONE		NONE	PPR
PRFP	ARED BY:									ONE	NON	E	
	DATE:	5/13/	2020						FT-LB:		NA AV	_	
									VOLTAGE:	NO	ONE		HZ:
	531 REV_4		_										
··· Subject	to change w	itnout notic	e.										







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: 445TTFCD6538

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

Catalog No: E631A

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:

Michael A. Logsdon

Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark
Marketing Engineer

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