## PRODUCT INFORMATION PACKET



Model No: 445TSHFCD9005 Catalog No: W616A

XRI®-841 Severe Duty Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 445TS Frame, TEFC



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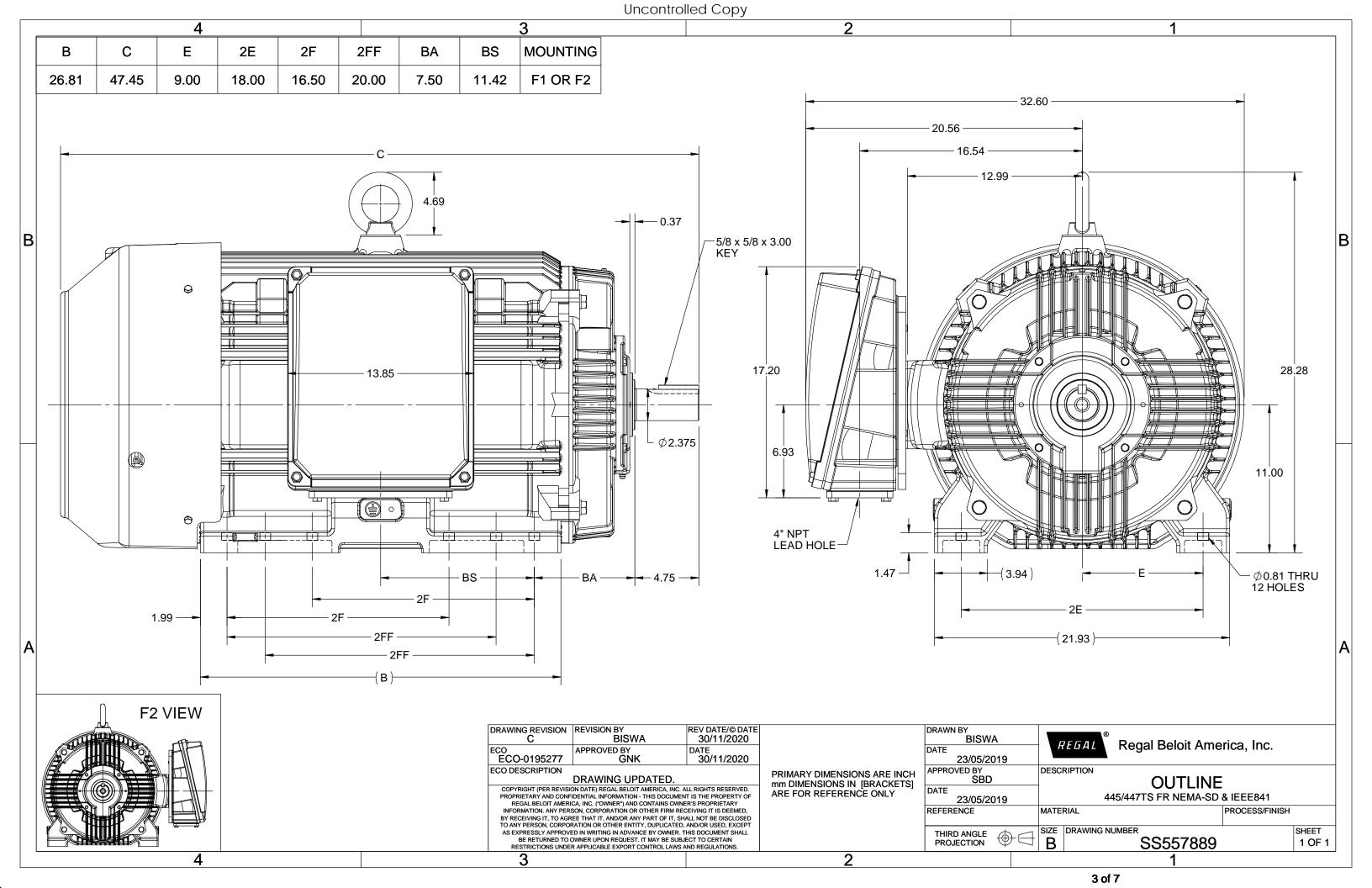
## Nameplate Specifications

Phase	3	Output HP	200 Hp
Output KW	149.0 kW	Voltage	460 V
Speed	3580 rpm	Service Factor	1.15
Frame	445TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	217.0 A	Power Factor	90.5
Duty	Continuous	Insulation Class	н
Design Code	Α	KVA Code	Н
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	Listed	CSA	Υ
CE	Υ	IP Code	56
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

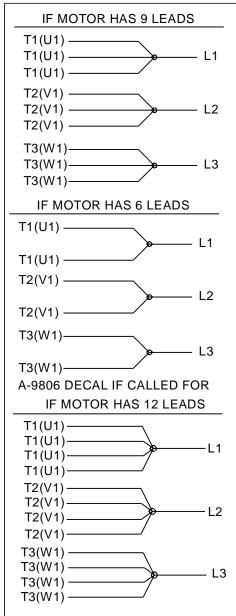
## **Technical Specifications**

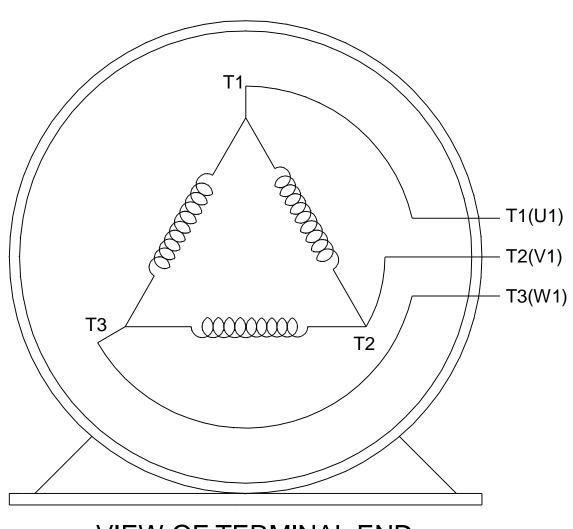
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.16 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	тѕ	Shaft Diameter	2.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS557889	Connection Drawing	EE7300U

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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

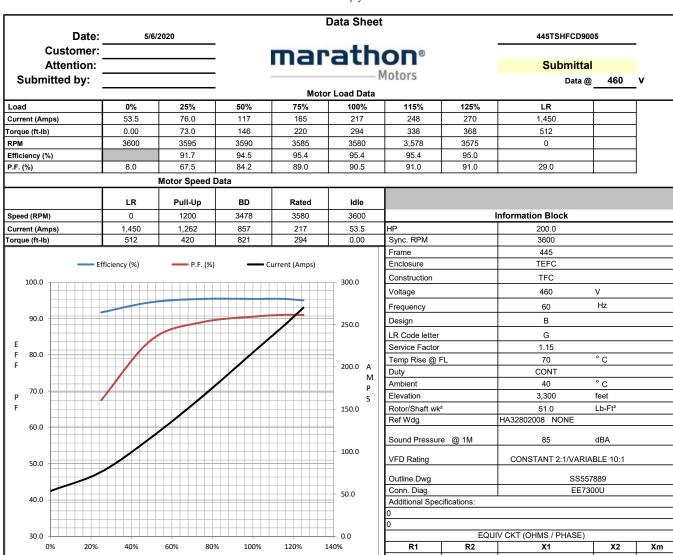
	DRAWN BY DRS  DATE 09-27-1996		REGAL <sup>™</sup> Regal Beloit America, Inc.						
	APPROVED BY GK  DATE 09-30-1996	DESC	CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE						
,	REFERENCE	MATE	RIAL	PROCESS/FINISH					
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1				

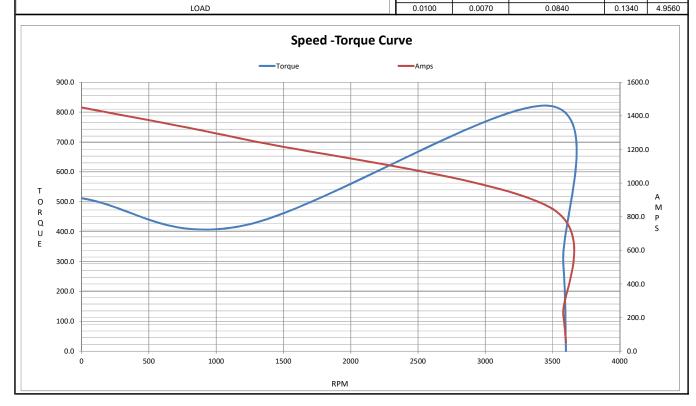


DATA VOLTS: 460

						CER	TIFICATION DATA S	HEET					
CONN. DI OUTLINE WINDING	:	EE7300U SS557889 HA	32802008	NONE	1 <b>TV</b>	(DICAL I	R MOTOR PERFORMA		CAT #:	445TSHFCD90 W6 F1/F2 CAPABL	16A		-
НР	кw	SYNC	DDM	FL RF		FICALI			LOSURE	TYPE	KVA CC	NDF	DESIGN
200	149	36		358			FRAME 445TS		EFC	TFC	G	)DE	B
200	143	30	00	330	0		44310		LIO	1 110			
PH	HZ	VOI		AMP	s		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	46	80	217	,	L	INE OR INVERTER	C	ONT	Н	1.15	40	3300
	F.L. EFF	95.4		3/4 LD EFF	95.4		1/2 LD EFF	94.5	GTD EFF		ELECT. TY	/PE	
	F.L. PF	90.5		3/4 LD PF	89.0		1/2 LD PF	84.2	95.0		SQ CAGE INV	RATED	
EI T	ORQUE	<u> </u>	LR AMPS			1.0	R. TORQUE		B.D. TORQ	IIE	F.L. RISE	(° C)	I
294	LB-FT		1,450		512	LB-FT	174%	821	LB-FT	279%	70	. ( 0,	
SOUND F	PRESSURE dBA	94	dBA	ROTOR 51.0	WK <sup>2</sup> LB-FT <sup>2</sup>	130	MAX. LOAD WK <sup>2</sup> LB-FT <sup>2</sup>	SAFE S	SEC.		S/HOUR 2		ROX. LB.
- 55		0.		, 01.0		1 .00			020.			2000	
		ODE BR	ACKET	MOUNT	MO	*** SUP	PLEMENTAL INFORMA		ARDOUS			1	
DE BRAC	KET TYPE	TY		TYPE		TATION	SEVERE DUTY		CATION	DRIP COVER	SCREENS	PA	INT
STA	NDARD	STAN	DARD	RIGID	HORIZ	ZONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE	BLUE (	EPOXY)
BEA	RINGS												
DE	ODE	GRE	ASE	SHAFT	TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
BALL 6314	BALL 6314	POLYR	EX EM	TS			NONE	N	IONE	1045 HOT RO	DLLED (C-204)	CAST	IRON
THERM	IOSTATS	PROTE	CTORS	WDG R	TD'o		BRG RTD's	TUED	MISTORS	CON	TROI		ACE TERS
THERMOSTATS NONE		NO		NON			NONE	NONE		CONTROL FALSE		NA	
							Wa ( 1 )						
	.01	R2 (oh:		X1 (ohm 0.08			X2 (ohms/ph) 0.134		ohms/ph) 1.956		ON (in/sec) 080	-	
		0.0		3.00	•	ļ						ļ	
* N O T								If Inverter	INVERT	, contact factory FER TORQUE: PEED RANGE:	CONSTANT 2:1/		10:1
E S *									ENCODER: NONE NONE	NONE		NONE	DDD
								BRAKE:	NONE		NONE	FPK	
1							J						

*		If Inverter equals NONE, contact fa	ctory for further	informatio	n	
N		INVERTER TORQI	JE: CONSTAN	NT 2:1/VAF	RIABLE 1	10:1
0		INV. HP SPEED RANG	SE: NONE			
Т						
E		ENCODER: NONE				
s		NONE				
*		NONE			NONE	PPR
		BRAKE: NONE				
PREP	ARED BY:	NONE		NONE		
	DATE: 5/13/2020	FT-LB:	NA			
		VOLTAGE:	NONE			HZ:
FORM: 35	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: 445TSHFCD9005

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

Catalog No: W616A

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. Cers

Julian Clark Marketing Engineer

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