PRODUCT INFORMATION PACKET



Model No: 405TTFCD6586
Catalog No: E645A

XRI®-SD Severe Duty Motor, 75 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 405T Frame, TEFC



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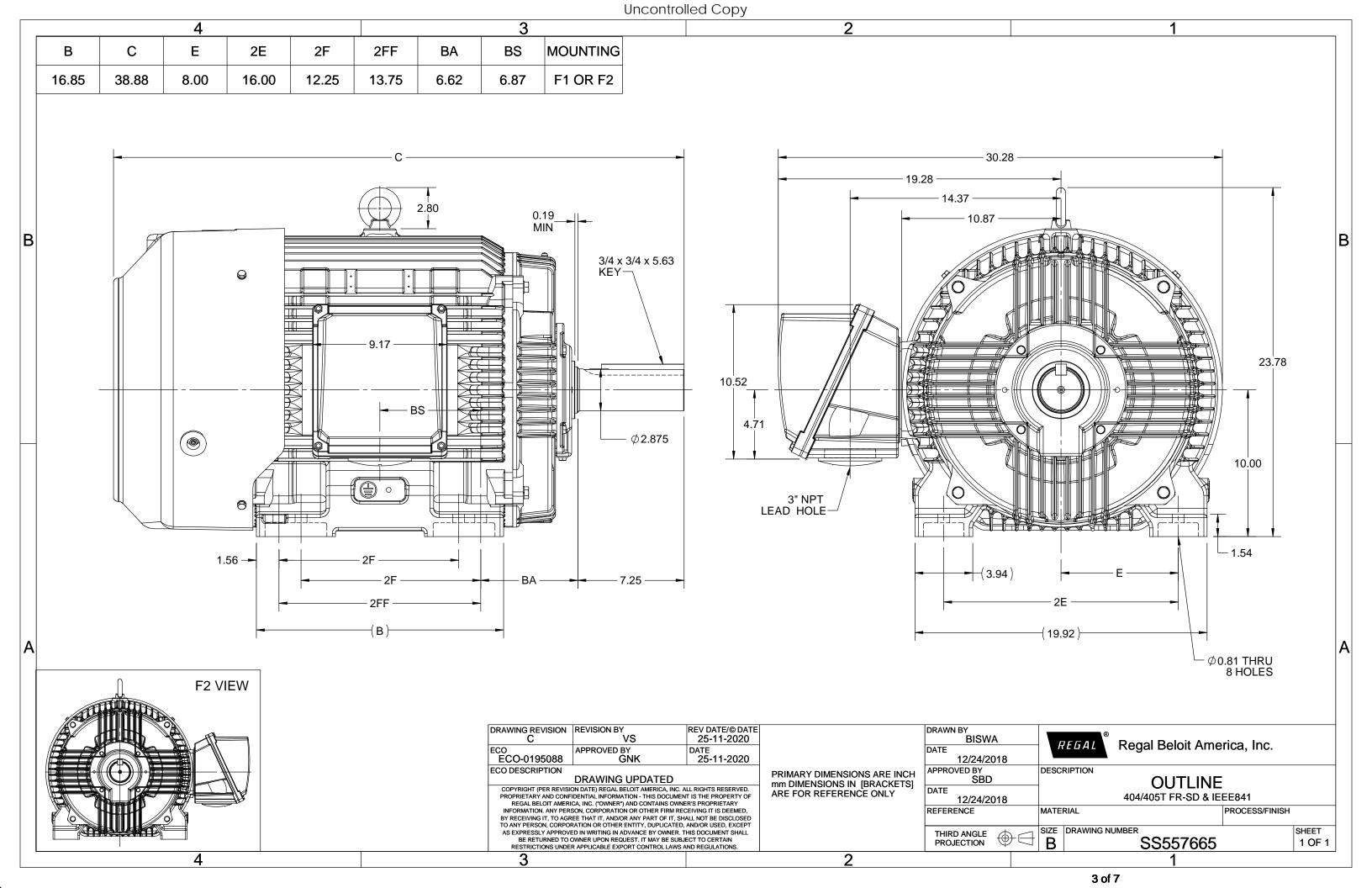
Nameplate Specifications

Phase	3	Output HP	75 Hp
Output KW	56.0 kW	Voltage	460 V
Speed	1188 rpm	Service Factor	1.15
Frame	405T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	89.0 A	Power Factor	83.5
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
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	6	Rotation	Reversible
Resistance Main	.0904 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	2.875 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS557665	Connection Drawing	EE7300

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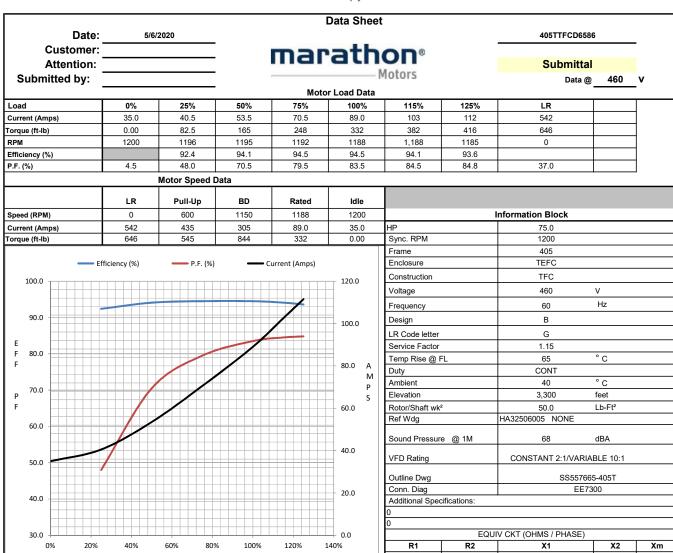


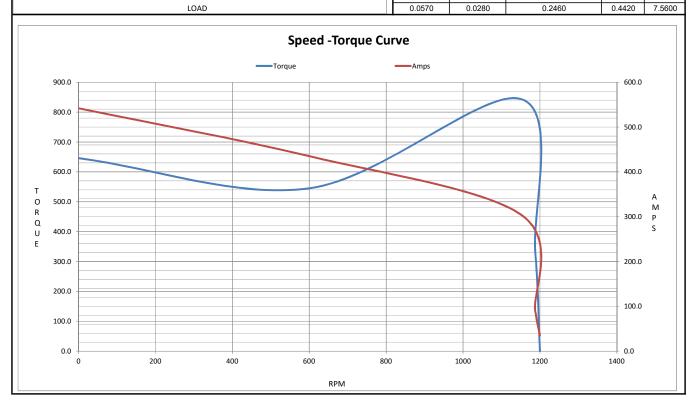


DATA VOLTS: 460

					CER	TIFICATION DATA S	HEET						
CONN D	IAGRAM:	EE7300				R	EFERENC	E MODEL #: CAT #:	405TTFCD658	6 45A		-	
OUTLINE WINDING	i:	SS557665-405T HA32506005	5 NONE	4					F1/F2 CAPABL				
				TYF	PICAL	MOTOR PERFORMA	NCE D	ATA					
HP	кw	SYNC RPM	FL RI	PM		FRAME	ENCLOSURE		TYPE KVA CO		DDE	DESIG	
75	56	1200	118	8	405T		TEFC		TFC	G		В	
BU		VOLTO		10		OTART TYRE		NITY.	l INCI	S.F.	AMD (8.0)	TELEN (
PH 3	HZ 60	VOLTS 460	AMP 89		L	START TYPE LINE OR INVERTER		ONT	INSL H	1.15	AMB (° C) 40	3300	
	F.L. EFF	94.5	3/4 LD EFF	94.5		1/2 LD EFF	94.1	GTD EFF		ELECT. T	/PE		
	F.L. PF	83.5	3/4 LD PF	79.5		1/2 LD PF	70.5	94.1		SQ CAGE INV			
		•											
	ORQUE	LR AMPS	3		L.R. TORQUE			B.D. TORQ					
332	LB-FT	542		646	LB-FT	195%	844	LB-FT	254%	65			
SOUND	PRESSURE	SOUND	ROTOR	WK²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	AP	APROX.	
68	dBA	77 dBA	50.0	LB-FT ²	1200	LB-FT ²	25	SEC.		2	1306	LB.	
			•		*** 6.11								
		ODE BRACKET	MOUNT	МОТ		PPLEMENTAL INFORMA		ARDOUS			1		
DE BRAG	CKET TYPE	TYPE	TYPE	ORIENT		SEVERE DUTY		CATION	DRIP COVER	SCREENS	PAINT		
STA	NDARD	STANDARD	RIGID	HORIZO	ONTAL	PREMIUM SEVERE DUTY	DIVIS	ON 2 T2B	NO	NONE	BLUE	(EPOXY)	
DEA	RINGS												
DE	ODE	GREASE	SHAFT TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL			
DALL DALL		POLYREX EM	Т			NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
THERM	MOSTATS	PROTECTORS	WDG R	TD's		BRG RTD's	THER	MISTORS	CON	ITROL	SPACE HEATERS		
	ONE	NOT NONE			NONE NONE			FA	NA				
						Wa (1							
R1 (ohms/ph) 0.057		R2 (ohms/ph) 0.028	X1 (ohm 0.24			X2 (ohms/ph) 0.442	Xm (ohms/ph) 7.56		VIBRATION (in/sec) 0.080				
- 0	.001	0.020	1 0.24			U.44Z		1.50	1 0.	000			
* N O T							If Inverter	INVERT		for further inform CONSTANT 2:1 NONE		10:1	
E								ENCODER:	NONE				
S								NONE NONE			NONE	PPR	

*		If Inverter equals NONE, contact factory for further information					
N		INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1					
0		INV. HP SPEED RANG	GE: NONE				
Т							
E		ENCODER: NONE					
s		NONE					
*		NONE		N	ONE PP	R	
		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: 405TTFCD6586

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

Catalog No: E645A

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