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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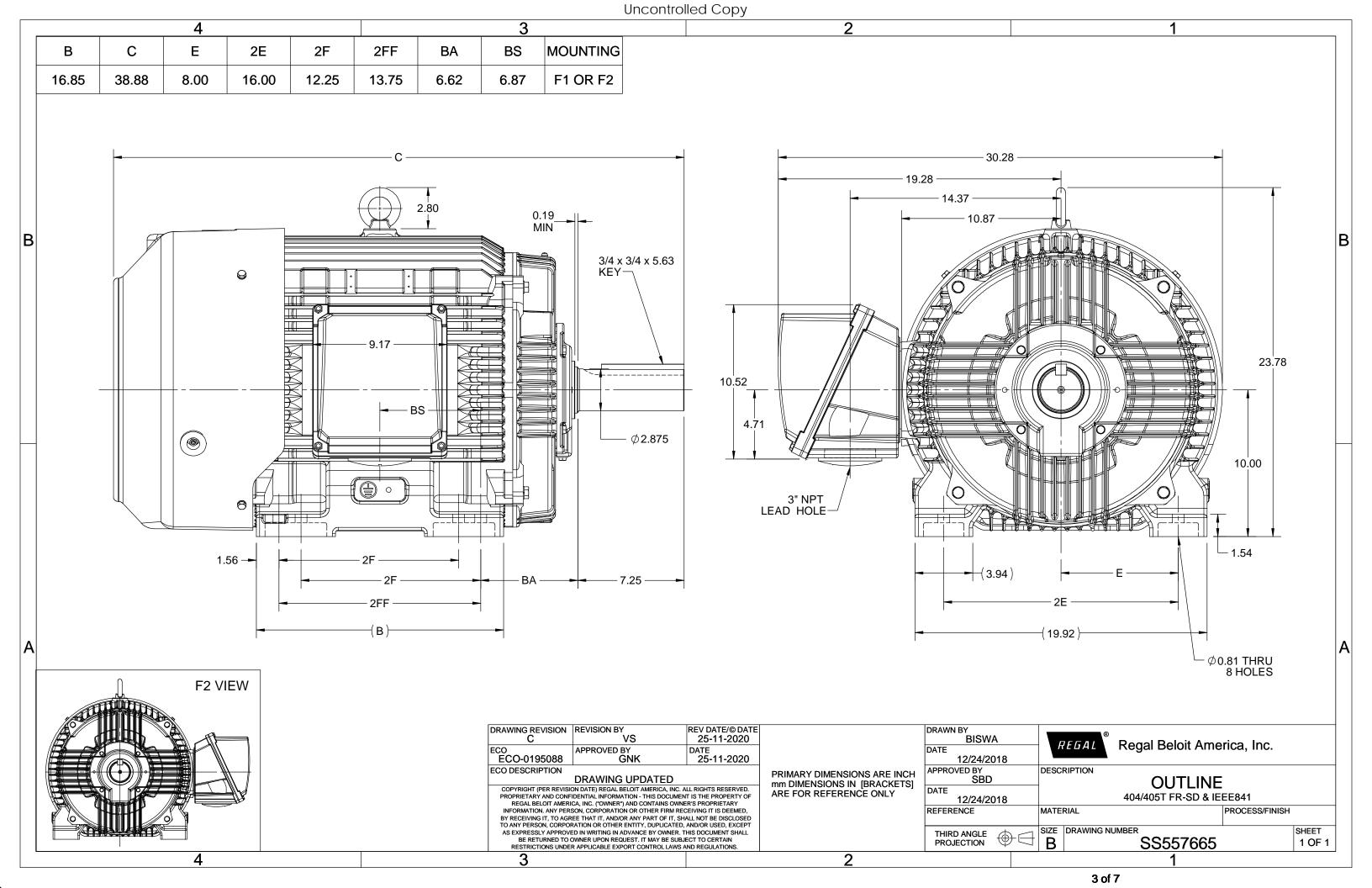
Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	460 V
Current	89.0 A	Speed	1188 rpm
Service Factor	1.15	Phase	3
Efficiency	94.5 %	Power Factor	83.5
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Frame	405T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6316	Opp Drive End Bearing Size	6314
UL	Listed	CSA	Υ
CE	Υ	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

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
Connection Drawing	EE7300	Outline Drawing	SS557665

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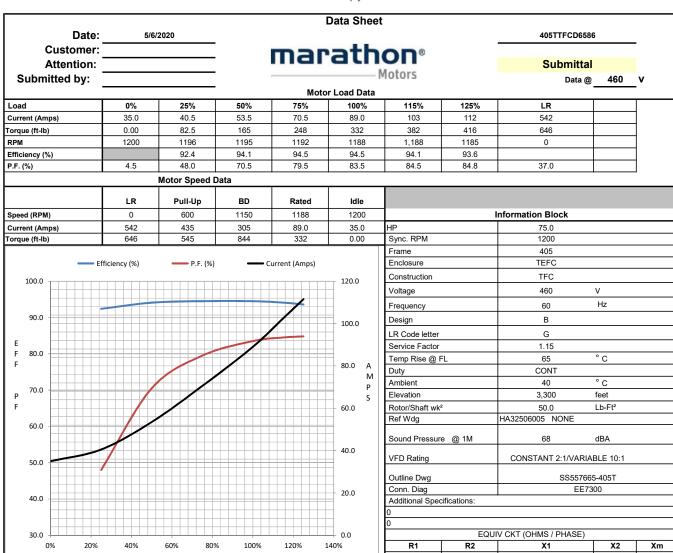


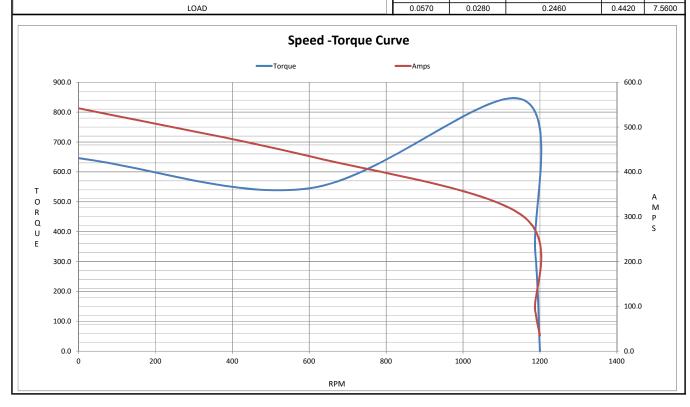


DATA VOLTS: 460

					CER	TIFICATION DATA S	HEET						
CONN. DIAGRAM: EE7300				R	REFERENCE MODEL #: 405TTFCD6586 CAT #: E645A					-			
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	1	EFC	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			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				ORIENTATION SEVERE DUTY		LOCATION		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	SHAFT TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIA		
BALL 6316	BALL 6314	POLYREX EM	Т			NONE	Ν	IONE	1045 HOT RO	OLLED (C-204)	LLED (C-204) CAS		
THERM	MOSTATS	PROTECTORS	WDG R	TD's		BRG RTD's	THER	MISTORS	CON	ITROL		SPACE HEATERS NA	
	ONE	NOT	NON			NONE		IONE		LSE	1		
						Wa (1							
	hms/ph) .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 RANGE: NONE					
Т							
E		ENCODER: NONE					
s		NONE					
*		NONE		N	ONE PP	R	
		BRAKE: NONE					
PREPARED 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