PRODUCT INFORMATION PACKET



Model No: 405TTFCD6538 Catalog No: E681A

XRI®-SD Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 405T Frame, TEFC



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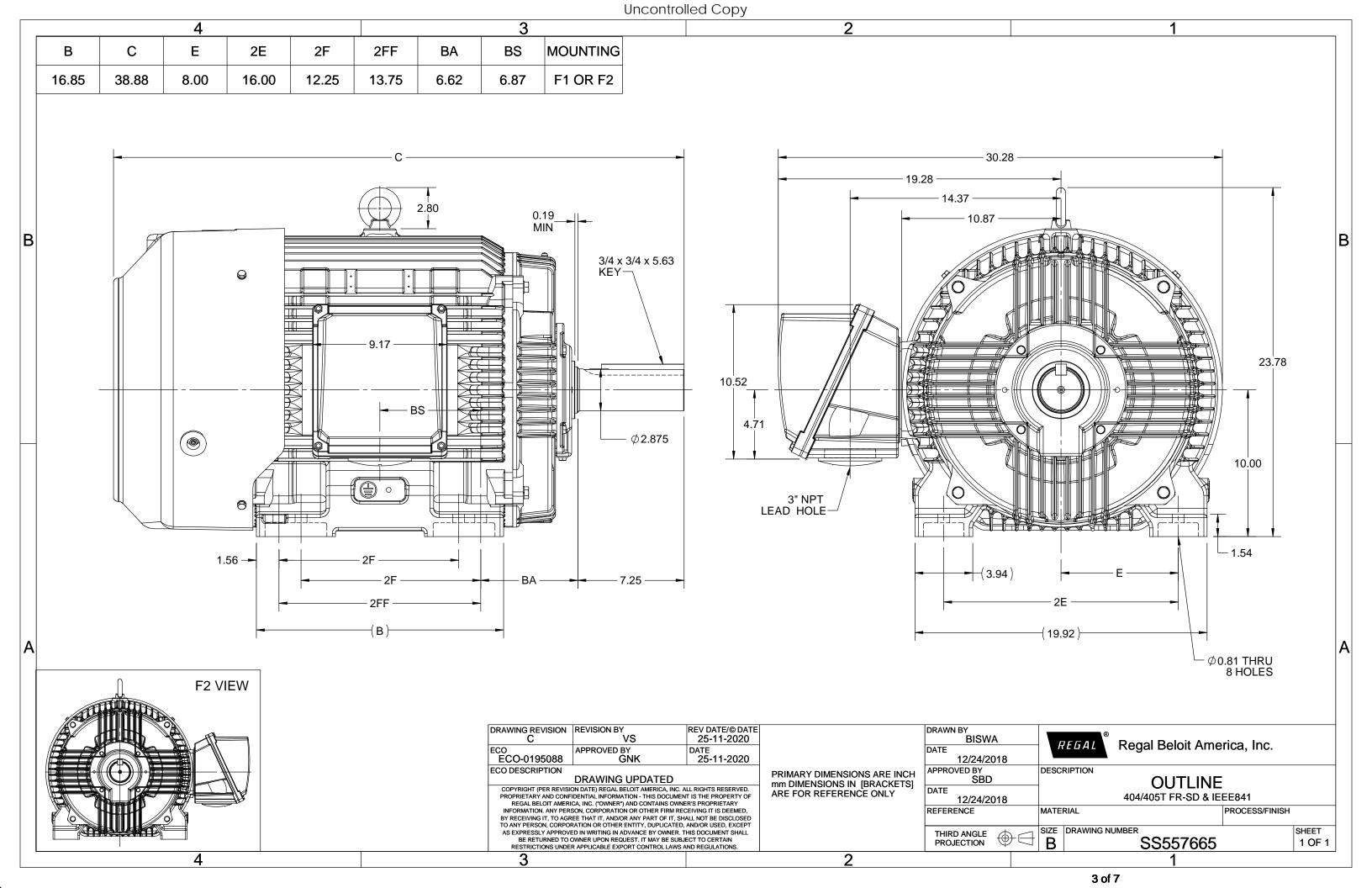
Nameplate Specifications

Phase	3	Output HP	100 Hp			
Output KW	75.0 kW	Voltage	575 V			
Speed	1785 rpm	Service Factor	1.15			
Frame	405T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	95.4 %			
Ambient Temperature	40 °C	Frequency	60 Hz			
Current	90.5 A	Power Factor	87			
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	4	Rotation	Reversible
Resistance Main	.0555 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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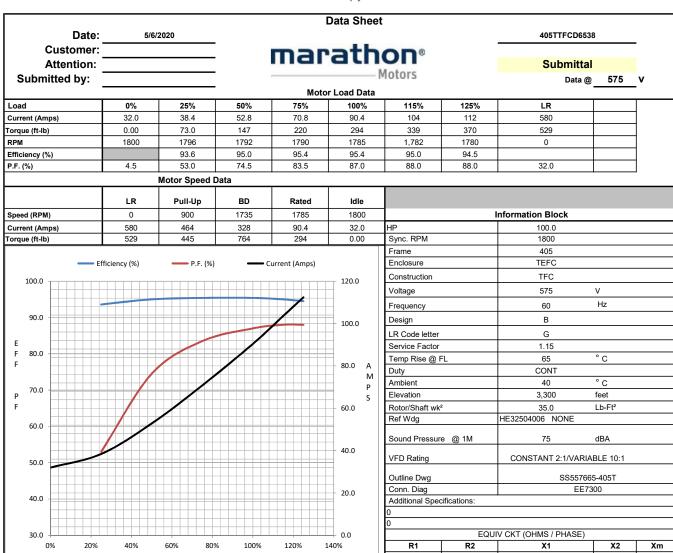


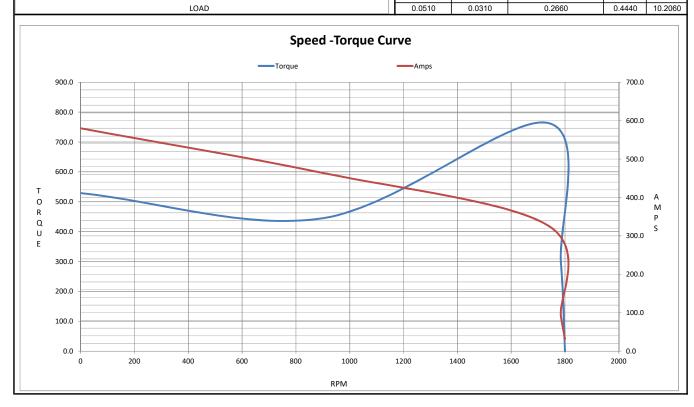


DATA VOLTS: 575

CERTIFICATION DATA SHEET

CONN. DI. OUTLINE: WINDING:	:	EE7300 SS557665-405T HE32504006	8 NONE	3		R		CAT #:	405TTFCD653 E6 F1/F2 CAPABL	881A		-	
	I		1	TY	PICAL I	MOTOR PERFORMA	NCE D	ATA	1				
HP	кw	SYNC RPM	FL R	PM	FRAME		ENCLOSURE		TYPE KVA CO		DDE	DESIGN	
100	75	1800	178	1785		405T	TEFC		TFC	G		В	
PH	HZ	VOLTS	_	AMPS		START TYPE		CONT	INSL	S.F.		ELEV. (Ft	
3	60	575	90.	5	L	INE OR INVERTER		ONI	Н	1.15	40	3300	
	F.L. EFF	95.4	3/4 LD EFF	95.4		1/2 LD EFF	95.0	GTD EFF		ELECT. T	YPE		
	F.L. PF	87.0	3/4 LD PF	83.5		1/2 LD PF	74.5	95.0		SQ CAGE INV	RATED		
E.L. T	ORQUE	LR AMPS	,		L.R. TORQUE B.D. TORG		B.D. TORQ	QUE F.L. RISE		= (° C)			
	LB-FT	580		529	LB-FT	180%	764	LB-FT	260%	65			
SOUND F	RESSURE	SOUND	ROTOR	WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	ΔΡΙ	ROX.	
75	dBA	84 dBA		LB-FT ²		LB-FT ²	25	SEC.		2		LB.	
ODE BRACKET TYPE TYPE		MOUNT TYPE		*** SUPPLEMENTAL INFORMA MOTOR DRIENTATION SEVERE DUTY		ATION *** HAZARDOUS LOCATION DRIP COVER		SCREENS	DAINT				
	NDARD	TYPE STANDARD	RIGID		ZONTAL	PREMIUM SEVERE DUTY		ION 2 T2B	NO NO	NONE	BLUE (EPOXY)		
	10, 10	017111571115	14.0.5			THE MICHIGAN SEVERICE BOTT	5.7.0	.0.172 123			1 5202	2. 0/1.)	
BEAI DE	ODE	GREASE SHAFT		TYPE	YPE SPECIAL DE		SPECIAL ODE SHA		SHAFT	FT MATERIAL		FRAME MATERIAL	
BALL 6316	BALL 6314	POLYREX EM	Т		NONE		N	IONE	1045 HOT ROLLED (C-204)		CAST IRON		
THERMOSTATS PROTECTORS		WDG R	RTD's BRG RTD's		THER	MISTORS	CONTROL		SPACE HEATERS				
NO	ONE	NOT	NON	NE NONE		NONE F		ALSE N		NA			
			X1 (ohm				ohms/ph)		ON (in/sec)				
0.0796875 0.0484375 0.415625 0.69375 15.946875 0.080 ODI								10:1					
	DATE: 531 REV_4 to change w	5/13/2020 2/27/06 rithout notice.						FT-LB: VOLTAGE:		NA ONE		HZ	







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: 405TTFCD6538

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

Catalog No: E681A

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