PRODUCT INFORMATION PACKET



Model No: 405THFCD9086 Catalog No: W596A

XRI®-841 Severe Duty Motor, 75 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 405T Frame, TEFC



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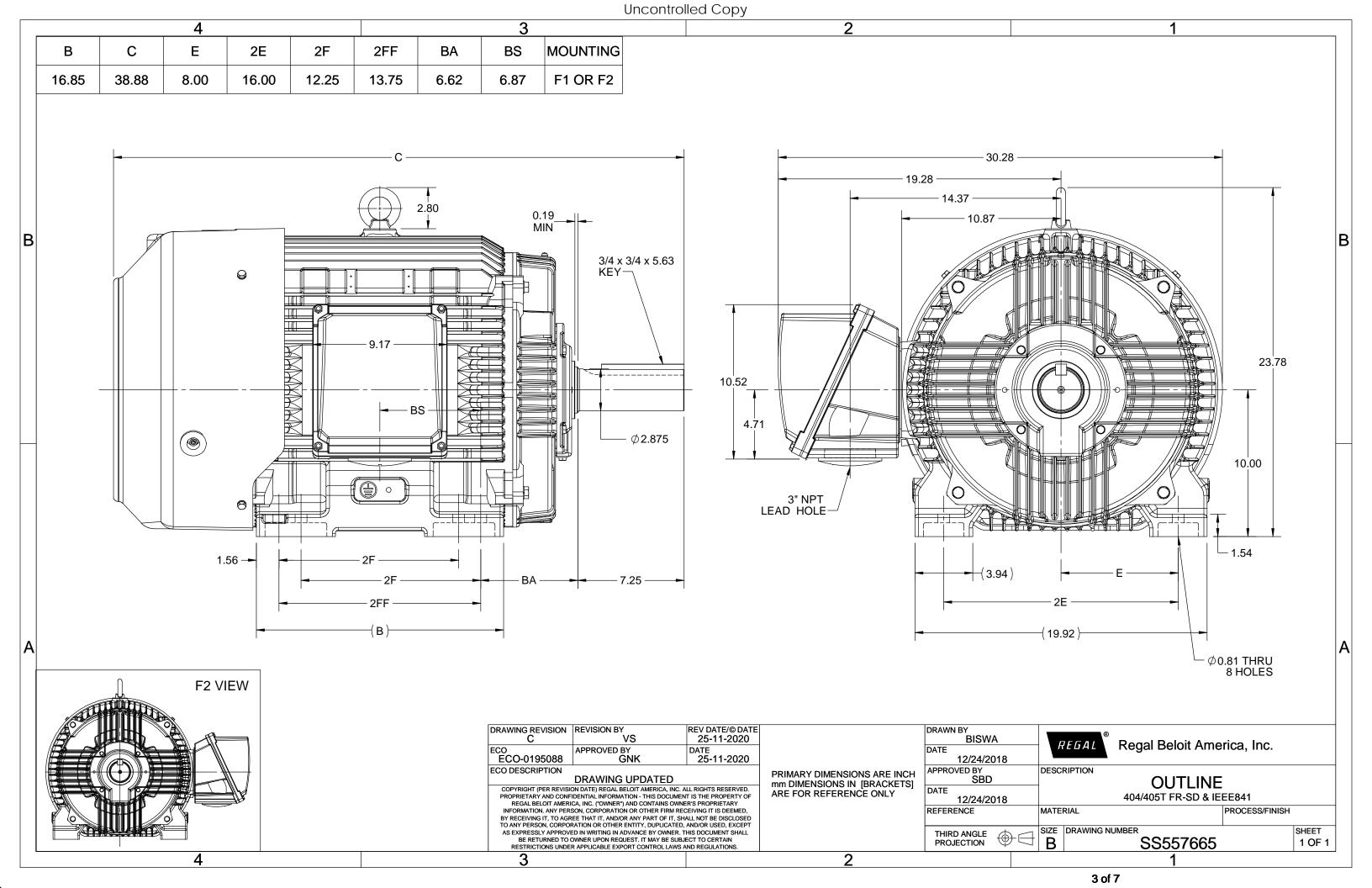
Nameplate Specifications

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	56		
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			
Connection Drawing	EE7300	Outline Drawing	SS557665			

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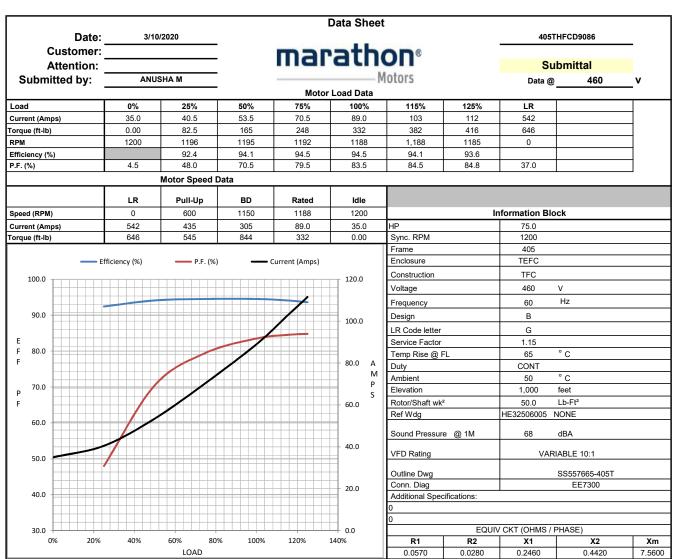


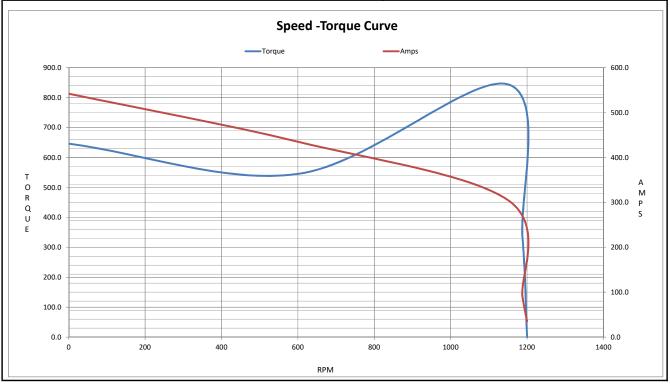
DATA VOLTS: 460

CERTIFICATION DATA SHEET

MODEL #: 405THFCD9086

							MODEL #: 405THFCD9086					_
CONN. DIAGRAM: EE7300 OUTLINE: SS557665-405		05T					CAT #:		W596A			
WINDING:		HE32506005		E 4				MOUNTING:	F1/F2 CAF	PABLE		
	· · · · · · · · · · · · · · · · · · ·				TYPICAL	MOTOR PERFORM	ANCE D	ATA		Г		1
HP	ĸw	SYNC R	PM FL	RPM	RPM FRAME		ENCLOSURE		TYPE KVA C		DE	DESIGN
75	56	1200	1	188		405T	TEFC		TFC	G		В
PH	HZ	VOLT		MPS				DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft)
3	3 60 460			89		LINE OR INVERTER	CONT		Н	1.15	40	3300
	F.L. EFF	94.5	3/4 LD EF			1/2 LD EFF	94.1	GTD EFF		ELECT		
	F.L. PF	83.5	3/4 LD F	F 79.5		1/2 LD PF	70.5	94.1		SQ CAGE II	NV RATED	
F.L. T	ORQUE	LR A	MPS @ 460 V		L.F	R. TORQUE		B.D. TORQUE		F.L. RISE	(° C)	
332	LB-FT		542	646	LB-FT	195%	844	LB-FT	254%	65	Ì	
SOLIND PE	RESSURE @	SOUN	D ROT	OR WK ²	1	MAX. LOAD WK ²	SAFE S	STALL TIME	ST	ARTS/HOUR	APROX.	МОТО
	dBA		BA 50.0	LB-FT ²	1200	LB-FT ²	25	SEC.	0.	2	1381	LB.
			,								,	<u>.</u>
		ODE BRA	CKET MOUNT	Mo	TOR	JPPLEMENTAL INFORMA		ARDOUS	DRIP			
DE BRACKET TYPE		TYPE TY		TYPE ORIENTATION		SEVERE DUTY		CATION	COVER	SCREENS	PAINT	
STAN	NDARD	STANDA	ARD RIGID	HOR	ZONTAL	PREMIUM SEVERE DUTY	DIVIS	ION 2 T2B	NO	NONE	BLUE	(EPOXY)
BEA	RINGS	GREAS	SE SHAI	T TYPE		SPECIAL DE	SDE	CIAL ODE	SHAFT	MATERIAL	EDAME	MATERIAL
DE	ODE	GILA	GREAGE SHALL		TIPE SPECIAL DE		SPECIAL ODE		STATE WATERIAL		TRANIL	WATENIAL
BALL 6316	6314	POLYRE	X EM	T		NONE	١	NONE	1045 HOT ROLLED (C-204)		CAST IRON	
						-						
THERMOSTATS		PROTECT	rors wo	RTD's		BRG RTD's	THER	MISTORS	CONTROL		SPACE	HEATERS
	ONE	NOT		ONE		NONE		NONE		FALSE		NA
R1 (ol	hms/ph)	R2 (ohms	s/nh) X1 (o	hms/ph)	T	X2 (ohms/ph)	Ym (ohms/ph)	VIBR	ATION (in/sec)	I	
0.057		0.028		246		0.442 7.56 0.080						
	,				•			If Inverte	r equals NO	ONE, contact factory	or further infor	mation
* N								INIVEDTED	TOPOUE:	VARIABLE 10:1		
0								NV. HP SPEEI				
T							-					
E								ENCODER:	NONE			
s								NONE				
								NONE			NONE	PPR
*												
*								BRAKE:			_	
*	PARED BY:		120					NON		NONI		
*	PARED BY: DATE:	ANUSHA M 3/10/20	120					NON FT-LB:		NA	Ē	н
* PRE			120					NON			.	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: 405THFCD9086

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

Catalog No: W596A

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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