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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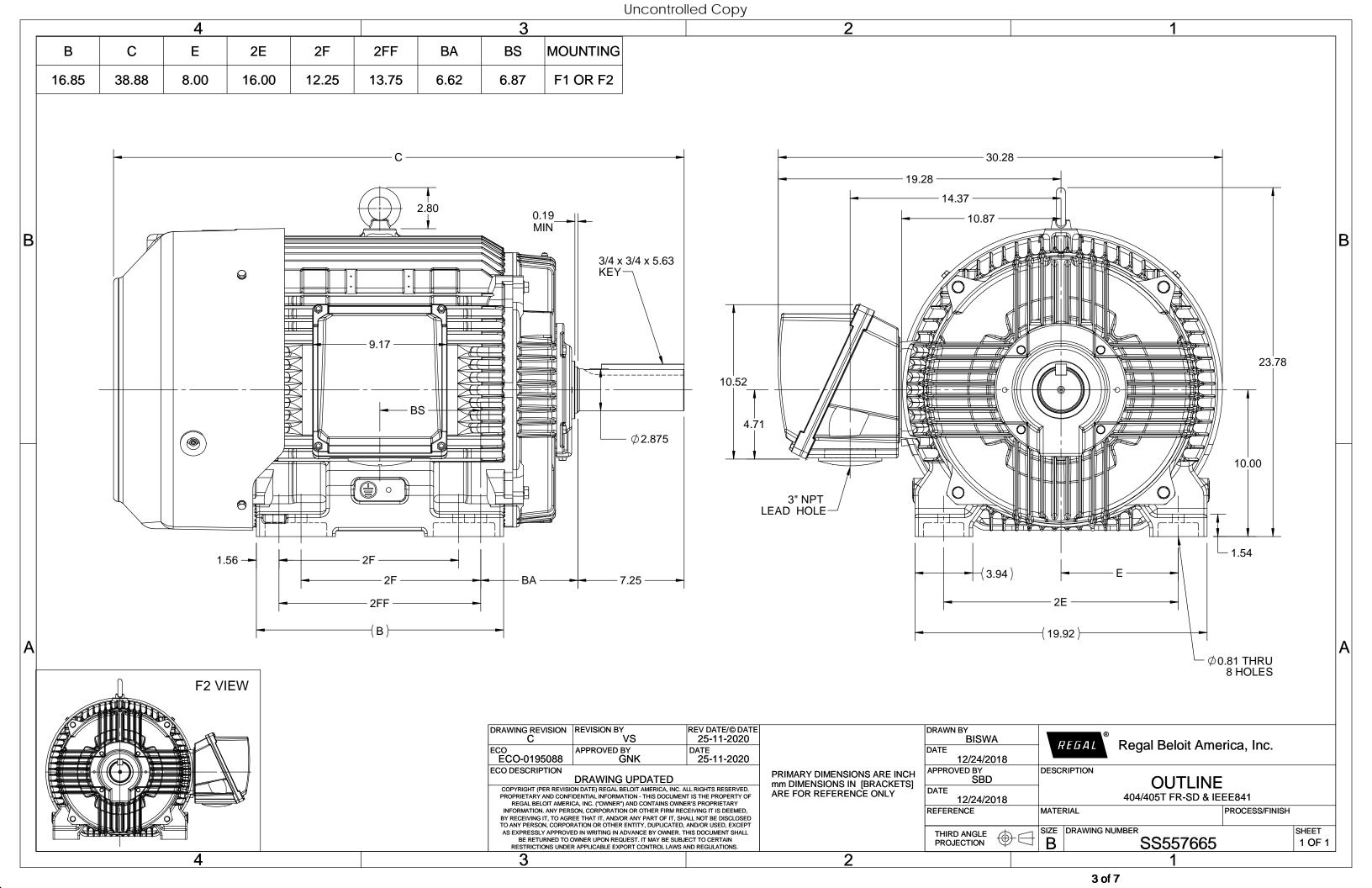
Nameplate Specifications

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	56
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter Reversible		
Poles	6	Rotation			
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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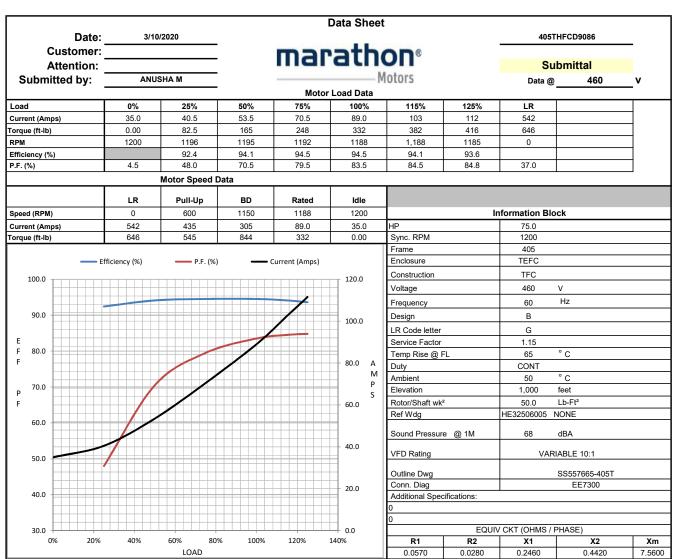


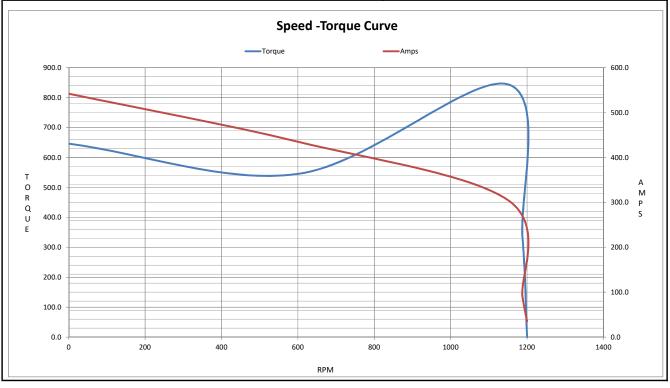
DATA VOLTS: 460

CERTIFICATION DATA SHEET

MODEL #: 405THFCD9086

								MODEL #:	405THFCE	9086		_
CONN. DIA OUTLINE:		EE7300 SS557665-40	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		FRAME	ENCLOSURE		TYPE	KVA CC	DE	DESIGN
75	56	1200	1	188		405T	TEFC		TFC	G		В
PH	HZ	VOLT		MPS		START TYPE	DUTY		INSL	S.F.	AMB (° C)	ELEV.(Ft)
3	60	60 460 89		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 TYPE				LOCATION		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)		CAS	T IRON
						-						
THERMOSTATS		PROTECTORS WE		RTD's BRG RTD's		THERMISTORS		CONTROL		SPACE	HEATERS	
	ONE	NOT		ONE		NONE		NONE		FALSE		NA
R1 (o)	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	TOPOLIE	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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