PRODUCT INFORMATION PACKET

Model No: 405THFCD19327 Catalog No: W600A-P XRI®-841 Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405T Frame, TEFC



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Product Information Packet: Model No: 405THFCD19327, Catalog No:W600A-P XRI®-841 Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405T Frame, TEFC

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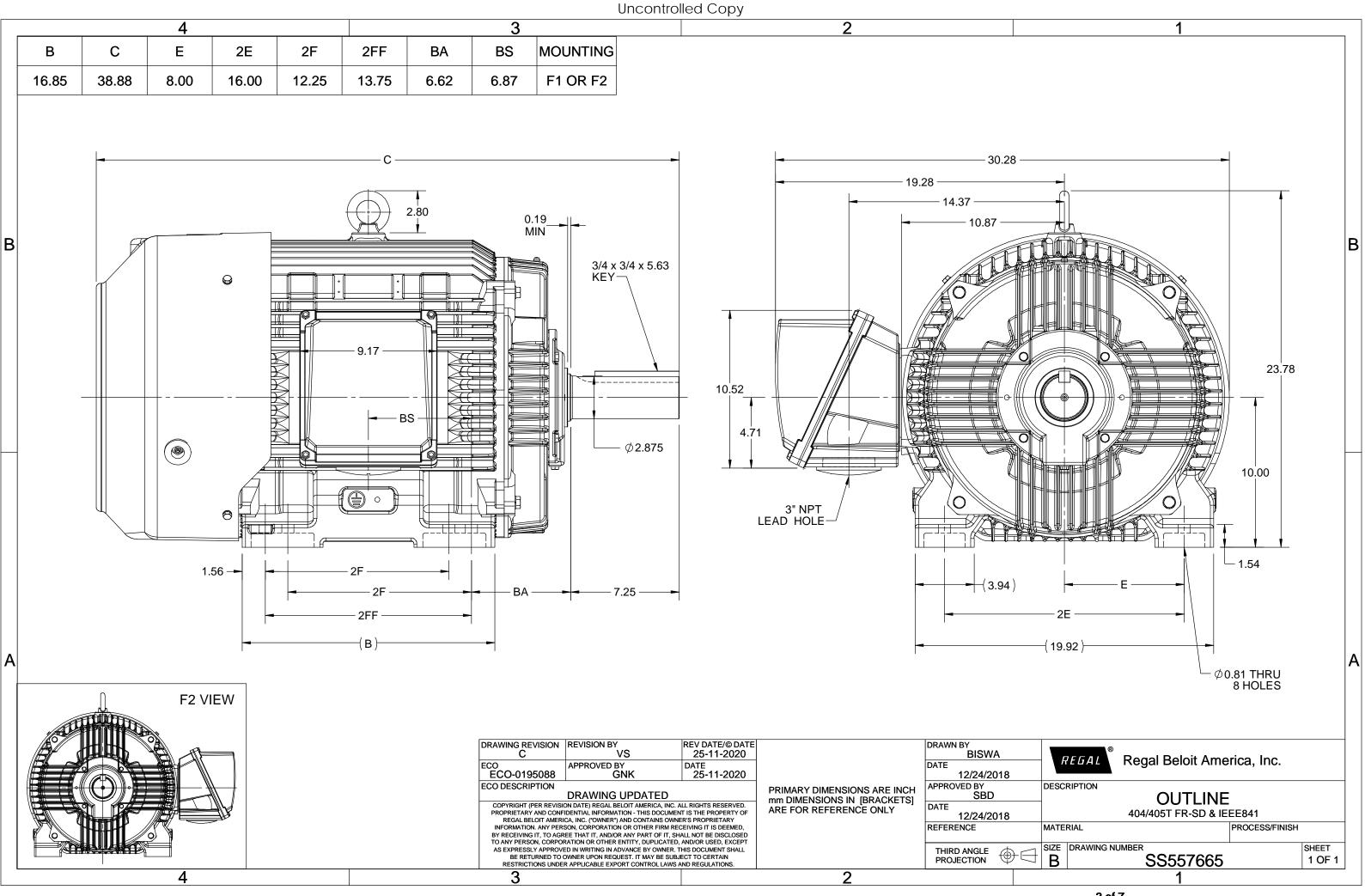
Nameplate Specifications

Phase	3	Output HP	100 Hp			
Output KW	75.0 kW	Voltage	460 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	113.0 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	Recognized	CSA	Y			
CE	Y	IP Code	56			
Number of Speeds	1					

Technical Specifications

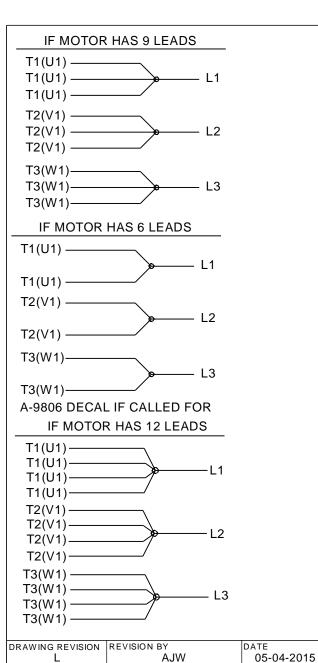
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	4	Rotation	Reversible		
Resistance Main	.0555 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	т	Shaft Diameter	2.875 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Connection Drawing	EE7300U	Outline Drawing	SS557665		

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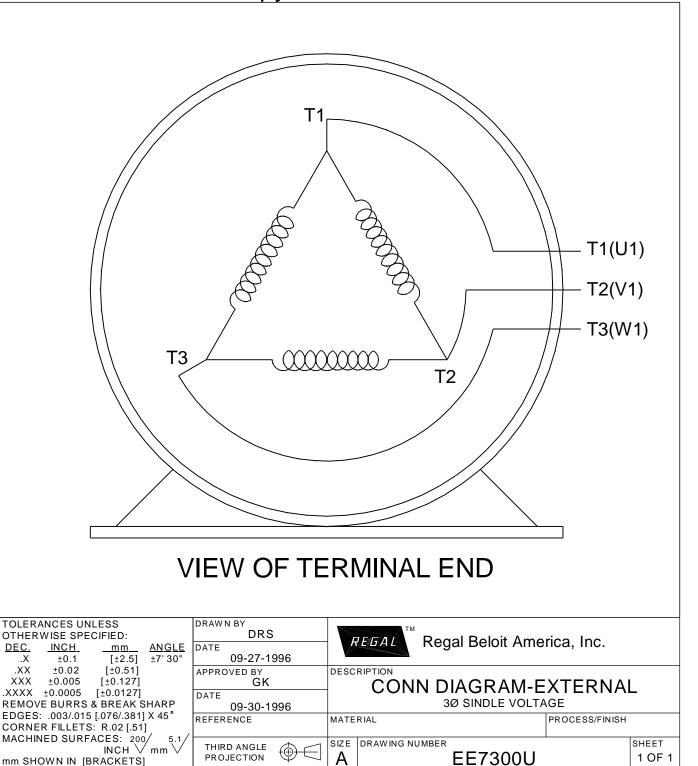
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ECO

ECO-0077067

ECO DESCRIPTION

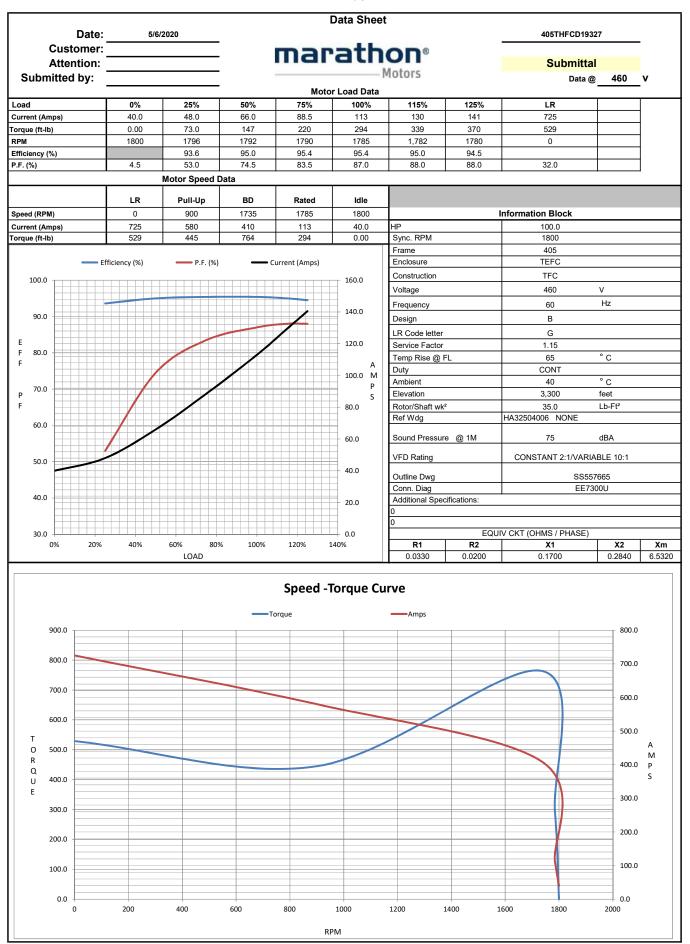


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			l	ma	ага	Motors				DATA VOLTS:	460	
					CER	TIFICATION DATA S	HEET					
						REFERENCE MODEL #: 405THFCD19327						
		EE7300U SS557665 HA3250	4006 NONE	NONE 1			CAT #: W600A-P MOUNTING: F1/F2 CAPABLE					
				тү	PICAL	MOTOR PERFORMA	NCE D	ATA				
HP	ĸw	SYNC RPN	I FL R	FL RPM FRAME		ENCLOSURE		ТҮРЕ КУА СС		ODE	DESIG	
100	75	1800	178	5		405T	Т	EFC	TFC	G		В
PH	HZ	VOLTS	AMF			START TYPE		UTY	INSL	S.F.	AMB (° C)	
3	60	460	11:	5		LINE OR INVERTER	С	ONT	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. TY	/PE	
	F.L. PF	87.0	3/4 LD PF	83.5		1/2 LD PF	74.5	95.0		SQ CAGE INV	RATED	
	ORQUE	LR A	MPS 725	529	L.I LB-FT	180%	764	B.D. TORQ LB-FT	260%	F.L. RISE 65	(°C)	
294	LB-FI		/25	529	LB-FI	180%	764	LB-FI	260%	60		
SOUND P	RESSURE	SOUND	ROTOR	WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	API	ROX.
75	dBA	84 dBA	35.0	LB-FT ²	575	LB-FT ²	25	SEC.		2	1295	LB.
			*		*** SUI	PLEMENTAL INFORMA	TION ***					
				TOR HAZARDOUS								
DE BRACKET TYPE STANDARD		TYPE	TYPE		TATION SEVERE DUTY		LOCATION NONE		DRIP COVER	SCREENS		INT
STAN	IDARD	STANDARI	D RIGID	HURIZ	ZONTAL	PREMIUM SEVERE DUTY	N	UNE	NO	NONE	BLUE	EPOXY)
BEAF	RINGS	GREASE	SHAFT	TYPE					SHAFT MATERIAL		FRAME MATERIA	
DE	ODE	GREASE	SHAFT	ITPE	SPECIAL DE		SPECIAL ODE		SHAFI MATERIAL		FRAME MATERIA	
BALL 6316	BALL 6313	POLYREX E	мт		NONE		N	ONE	1045 HOT R0	OLLED (C-204)	4) CAST IRON	
												ACE TERS
		PROTECTO NOT	RS WDG F			BRG RTD's NONE		MISTORS ONE		ITROL		NA
THERM		1.01	1 101		1	HORE		0.1				
THERM NC										N <i>U U V</i>		
NC R1 (oh	nms/ph)	R2 (ohms/p				X2 (ohms/ph)		ohms/ph)	VIBRATIO			
NC R1 (oh		R2 (ohms/p 0.02	h) X1 (ohn 0.1			X2 (ohms/ph) 0.284		ohms/ph) 532		080		
NC R1 (oh	nms/ph)					0.284	6	.532	0.	080	nation	
NC R1 (oh	nms/ph)					0.284	6	.532 equals NONE	0. , contact factory			10:1
NC R1 (oh 0.0	nms/ph)					0.284	6	equals NONE	0. , contact factory	080 for further inform CONSTANT 2:1.		10:1
NC R1 (oh 0.0 * N O T	nms/ph)					0.284	6	.532 equals NONE INVERT INV. HP SP	0. , contact factory ER TORQUE: PEED RANGE:	080 for further inform CONSTANT 2:1.		10:1
NC R1 (oh 0.0 * N O T E	nms/ph)					0.284	6	equals NONE INVERT INV. HP SF	0. , contact factory ER TORQUE: PEED RANGE:	080 for further inform CONSTANT 2:1.		10:1
NC R1 (oh 0.0 * N O T	nms/ph)					0.284	6	equals NONE	0. , contact factory ER TORQUE: PEED RANGE:	080 for further inform CONSTANT 2:1.	/VARIABLE	
NC R1 (oh 0.0 * N O T E S	nms/ph)					0.284	6	equals NONE INVERT INV. HP SF	0. , contact factory ER TORQUE: PEED RANGE: NONE	080 for further inform CONSTANT 2:1.		
NC R1 (oh 0.0 * N O T E S S *	nms/ph)	0.02	0.1			0.284	6	Equals NONE INVERT INV. HP SF ENCODER: NONE NONE BRAKE:	0. , contact factory ER TORQUE: PEED RANGE: NONE	080 for further inform CONSTANT 2:1.	VARIABLE NONE	
NC R1 (oh 0.0 * N O T E S S *	n ms/ph) 033		0.1			0.284	6	.532 equals NONE INVERT INV. HP SF ENCODER: NONE NONE BRAKE: N(FT-LB:	0. contact factory EET TORQUE: EED RANGE: NONE NONE	080 for further inform CONSTANT 2:1. NONE NONI	VARIABLE NONE	PPR
NC R1 (oh 0.0 T E S * PREP	Ams/ph) 033	5/13/2020	0.1			0.284	6	.532 equals NONE INVERT INV. HP SP ENCODER: NONE NONE BRAKE: NI	0. contact factory EET TORQUE: EED RANGE: NONE NONE	080 for further inform CONSTANT 2:1, NONE NONI	VARIABLE NONE	

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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: 405THFCD19327

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

Catalog No : W600A-P

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer