## **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



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E



marathon<sup>®</sup>



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

# marathon®

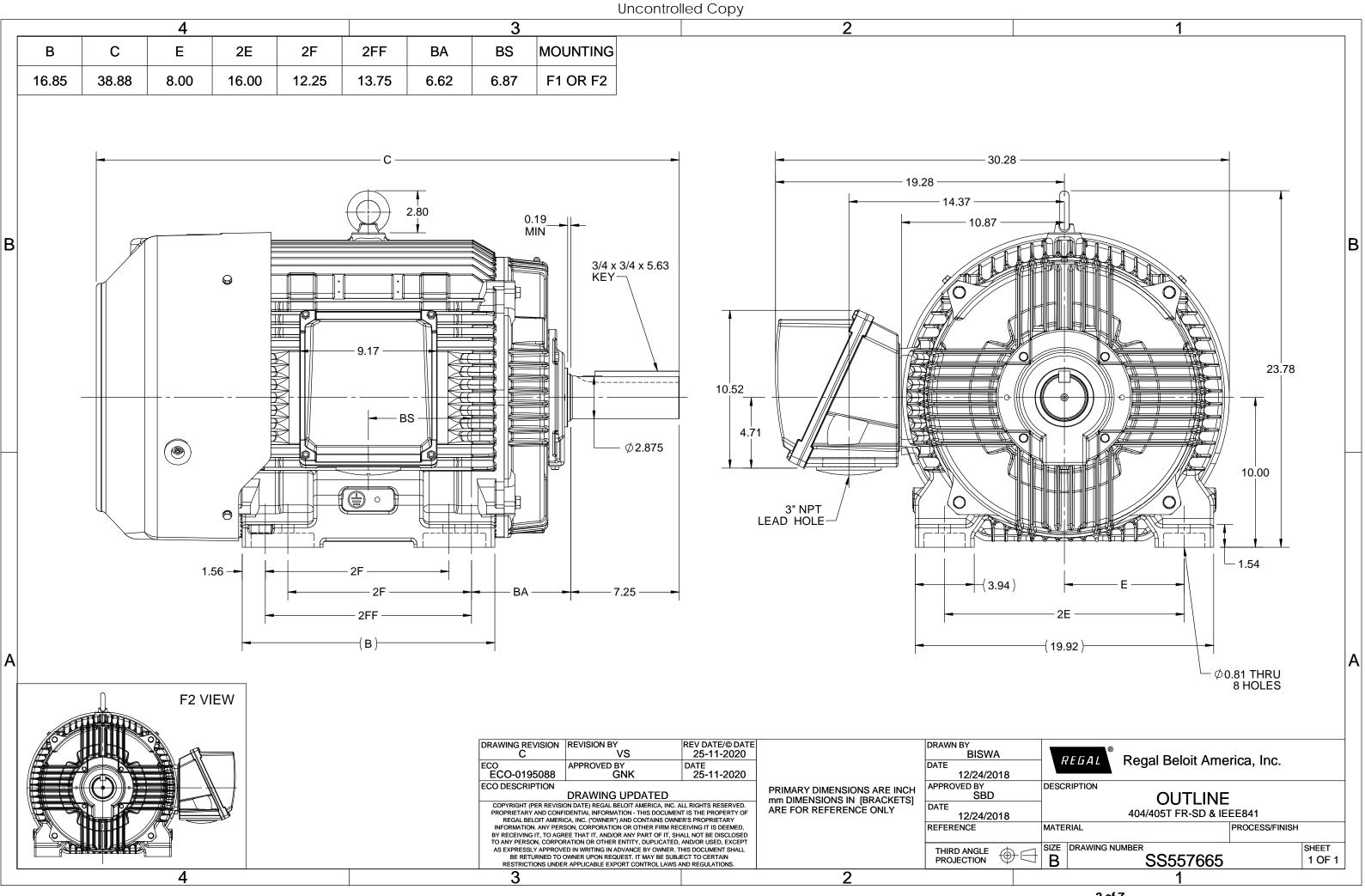
#### Nameplate Specifications

Output HP	100 Нр	Output KW	75.0 kW
Frequency	60 Hz	Voltage	460 V
Current	113.0 A	Speed	1785 rpm
Service Factor	1.15	Phase	3
Efficiency	95.4 %	Power Factor	87
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	Recognized	CSA	Y
CE	Y	IP Code	56
Number of Speeds	1		

### **Technical Specifications**

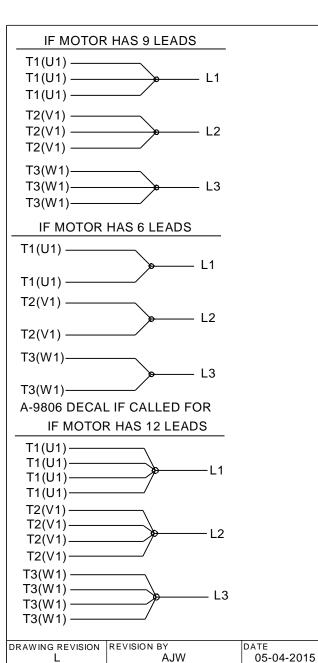
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0555 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Shaft Diameter	2.875 in
Assembly/Box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

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:11/29/2022



3 of 7

Uncontrolled Copy



APPROVED BY

EWH

UPDATED TO SOLIDWORKS

COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.

PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF

REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY

INFORMATION, ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED.

BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT

AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL

BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN

RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS

DATE

05-05-2015

DEC.

.Х

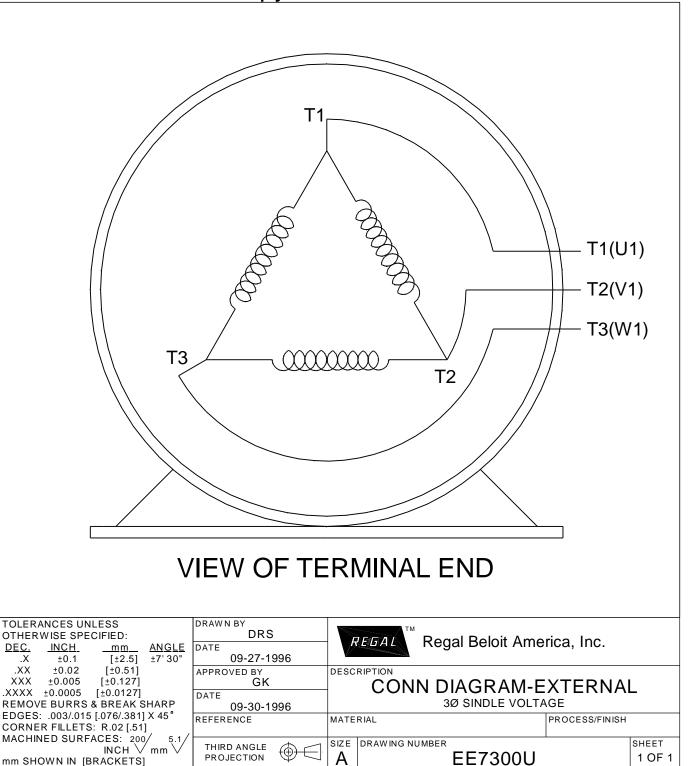
.XX

XXX

ECO

ECO-0077067

ECO DESCRIPTION



Uncontrolled Copy

Г

			l	ma	ага	Motors				DATA VOLTS:	460	
					CER	TIFICATION DATA S	HEET					
						REFERENCE MODEL #: 405THFCD19327						
		EE7300U SS557665 HA3250	4006 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 КVA 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			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 <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME	START	S/HOUR	API	ROX.
75	dBA	84 dBA	35.0	LB-FT <sup>2</sup>	575	LB-FT <sup>2</sup>	25	SEC.		2	1295	LB.
			*		*** SUI	PLEMENTAL INFORMA	TION ***					
		ODE BRACKET MOUNT MOT		TOR HAZARDOUS								
DE BRACKET TYPE STANDARD		TYPE	TYPE	0.11				ATION	DRIP COVER	NO NONE		INT
STAN	IDARD	STANDARI	D RIGID	HURIZ		PREMIUM SEVERE DUTY	N	ONE	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 ROLLED (C-20		) 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									1	<b>N</b> <i>U U V</i>		
NC R1 (oh	nms/ph)	R2 (ohms/p				X2 (ohms/ph)		ohms/ph)	VIBRATIO			
NC R1 (oh		<b>R2 (ohms/p</b> 0.02	h) X1 (ohn 0.1			<b>X2 (ohms/ph)</b> 0.284		ohms/ph) 5.532		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 <b>ms/ph)</b> 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	

#### Uncontrolled Copy





## **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

(€ 22

Authorized Representative in the Community:

Julian Clark Marketing Engineer