PRODUCT INFORMATION PACKET

Model No: 405TTFCD16865 Catalog No: E628A-P XRI®-SD 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[®] Motors



Product Information Packet: Model No: 405TTFCD16865, Catalog No:E628A-P XRI®-SD Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405T Frame, TEFC

marathon®

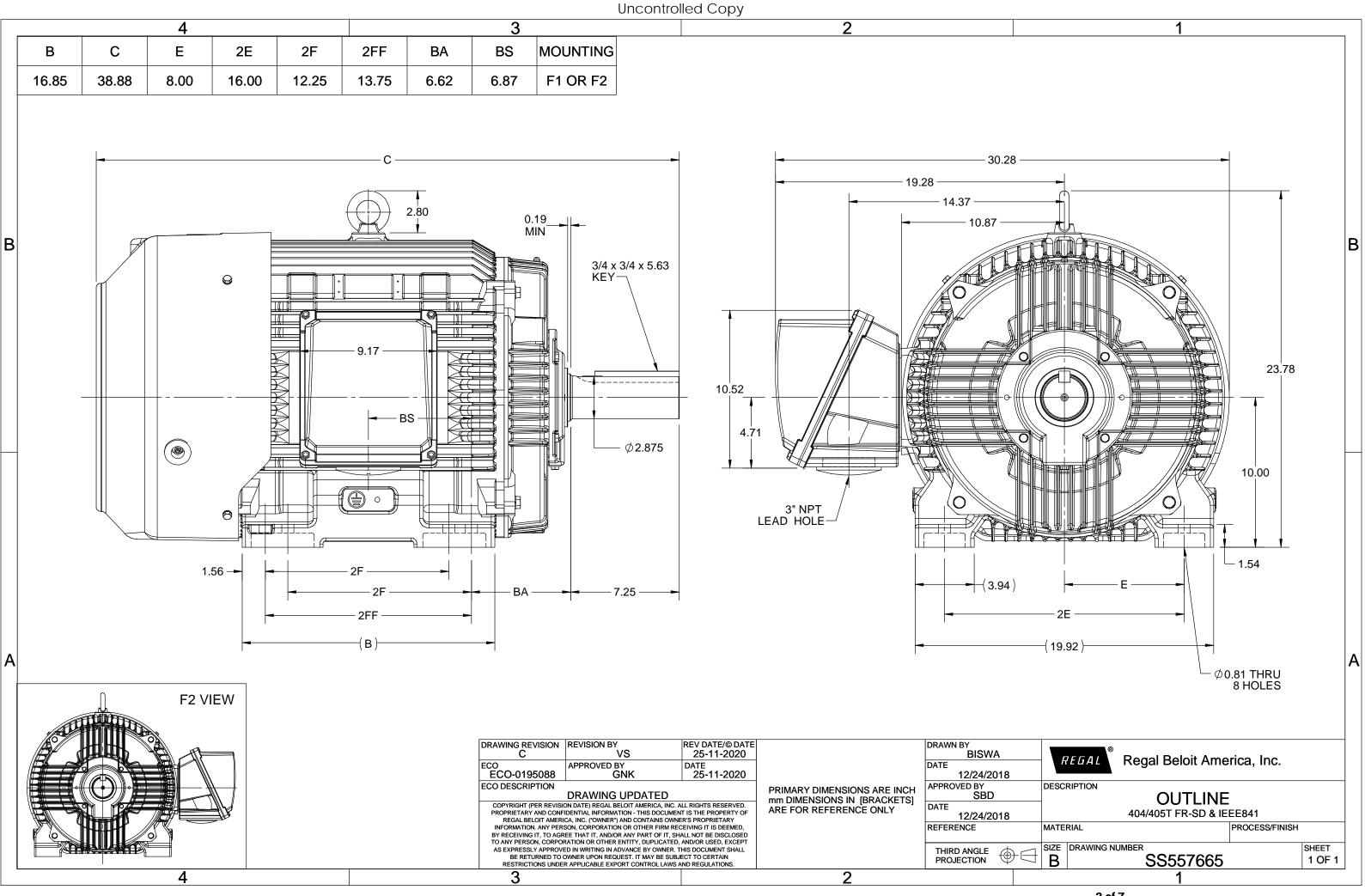
Nameplate Specifications

Output HP	100 Hp	Output KW	75.0 kW 460 V			
Frequency	60 Hz	Voltage				
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	Υ	IP Code	55			
Number of Speeds	1					

Technical Specifications

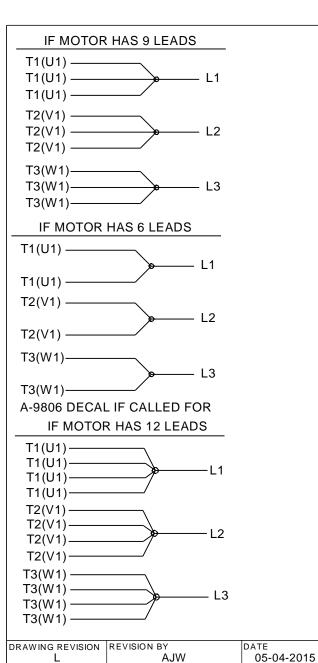
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	4	Rotation	Reversible			
Resistance Main	.0555 Ohms	Mounting	Rigid Base			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	т	Shaft Diameter	2.875 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

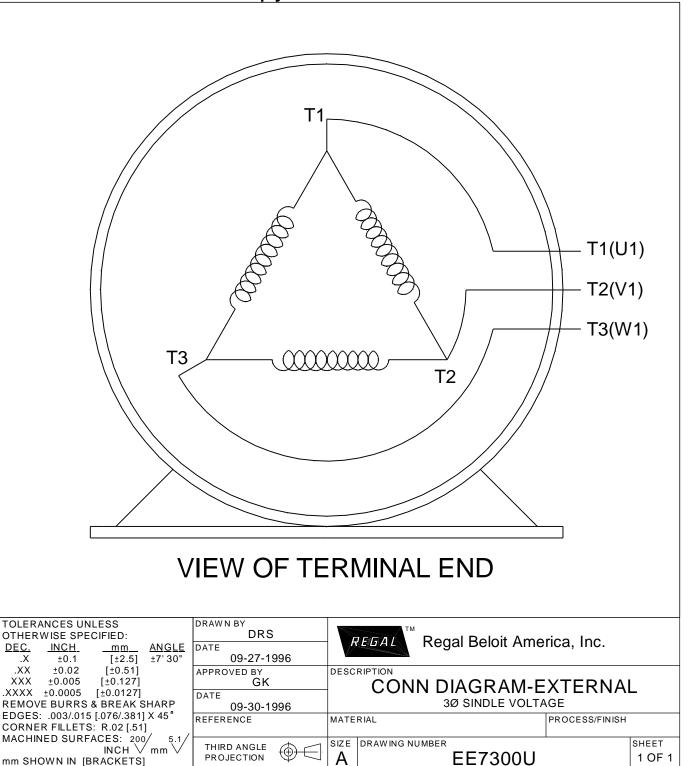
.XX

XXX

ECO

ECO-0077067

ECO DESCRIPTION



Uncontrolled Copy

					па	га	thon® Motors				DATA VOLTS:	460		
						CER	TIFICATION DATA S	HEET						
CONN. DIAGRAM: EE7300U						R	EFERENC	E MODEL #: CAT #:	405TTFCD168 E62	65		-		
OUTLINE: B-SS557665 WINDING: HA32504006 NONE 1					MOUNTING: F1/F2 CAPABLE									
					TY	PICAL	MOTOR PERFORMA	NCE D	ATA				1	
HP	KW			FL RPM			FRAME	ENCLOSURE		TYPE	KVA CODE		DESIG	
100	75	1800		1785	5		405T	T	EFC	TFC	G	В		
РН 3	HZ 60	VOLTS 460	3	AMP 113			START TYPE		UTY ONT	INSL H	S.F. 1.15	AMB (° C) 40	ELEV. (F	
3	F.L. EFF	95.4	3/	/4 LD EFF	95.4	i	1/2 LD EFF	95.0	GTD EFF		ELECT. T			
	F.L. PF	87.0		3/4 LD PF	83.5	1/2 LD 1/2 LD		74.5	95.0	SQ CAGE INV				
	ORQUE	LR	AMPS			L.R. TORQUE		B.D. TORQI		UE F.L. RISE		(° C)		
294	LB-FT		725		529	LB-FT	180%	764	LB-FT	260%	65			
	RESSURE	SOUN		ROTOR			MAX. LOAD WK ²		TALL TIME	START	S/HOUR		ROX.	
75	dBA	84 dB		35.0	LB-FT ²	575 LB-FT ² 25 SEC.		SEC.	2		1295	LB.		
						*** SUF	PLEMENTAL INFORMA	TION ***						
DE BRACKET TYPE		ODE BRAC TYPE		MOUNT TYPE	ORIEN	TOR FATION	SEVERE DUTY	HAZARDOUS LOCATION		DRIP COVER			INT	
STAN	NDARD	STANDA	RD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	N	ONE	NO	NONE	BLUE (EPOXY)	
BEA DE	RINGS ODE			SHAFT 1	YPE		SPECIAL DE	SPECIAL ODE		SHAFT	MATERIAL FRAME N		MATERIAL	
BALL 6316	BALL 6314	POLYREX	EM	т		NONE		NONE 1045 H		1045 HOT R	045 HOT ROLLED (C-204)		CAST IRON	
												SPACE HEATERS		
THERMOSTATS NONE		PROTECT NOT	ORS	WDG R NON		BRG RTD's NONE		THERMISTORS NONE		FALSE		NA		
R1 (ohms/ph)		R2 (ohms	/ph)	X1 (ohm	s/ph)	h) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
0.033		0.02		0.17	,		0.284	6	.532	0.	080	0	DE	
* N O T								If Inverter	INVERT		for further inform CONSTANT 2:1 NONE		10:1	
ES										NONE	PPR			
PREP	PARED BY: DATE:	5/13/202	20						FT-LB:	3NC		E		
FORM: 35	531 REV_4 to change w								VOLTAGE:	NO	DNE		H	

Uncontrolled Copy





www.regalbeloit.com

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: 405TTFCD16865

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

Catalog No : E628A-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