PRODUCT INFORMATION PACKET

Model No: 182TTFCD6540 Catalog No: E030 XRI®-SD Severe Duty Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 182TC Frame, TEFC



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marathon®

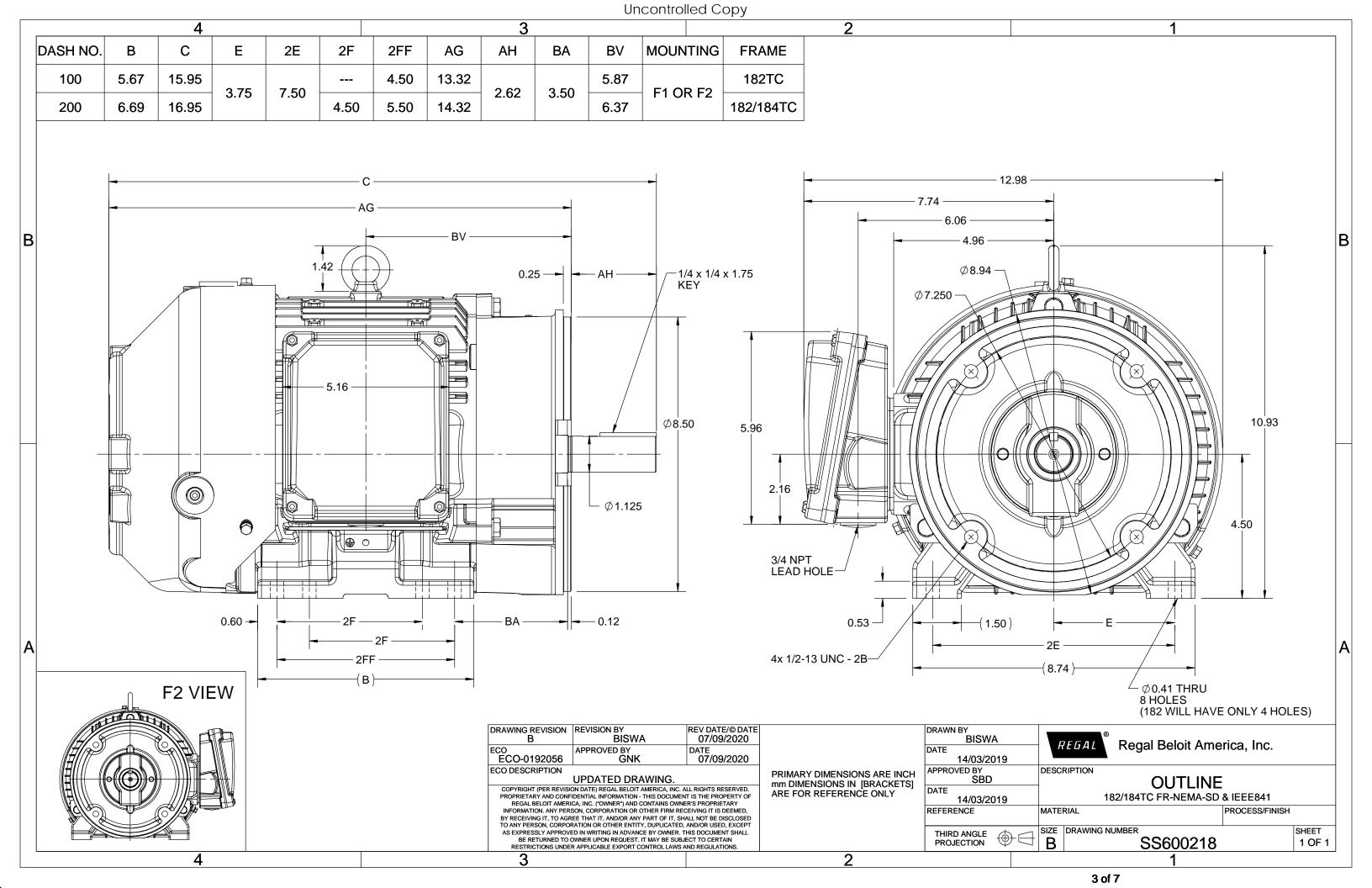
Nameplate Specifications

Output HP	3 Нр	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	8.0/4.0 A	Speed	1762 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	78
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	К
Frame	182TC	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Listed	CSA	Y
CE	Υ	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	4	Rotation	Reversible			
Resistance Main	4.15 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	1.125 in			
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1			
Outline Drawing	SS600218-100	Connection Drawing	EE7308			

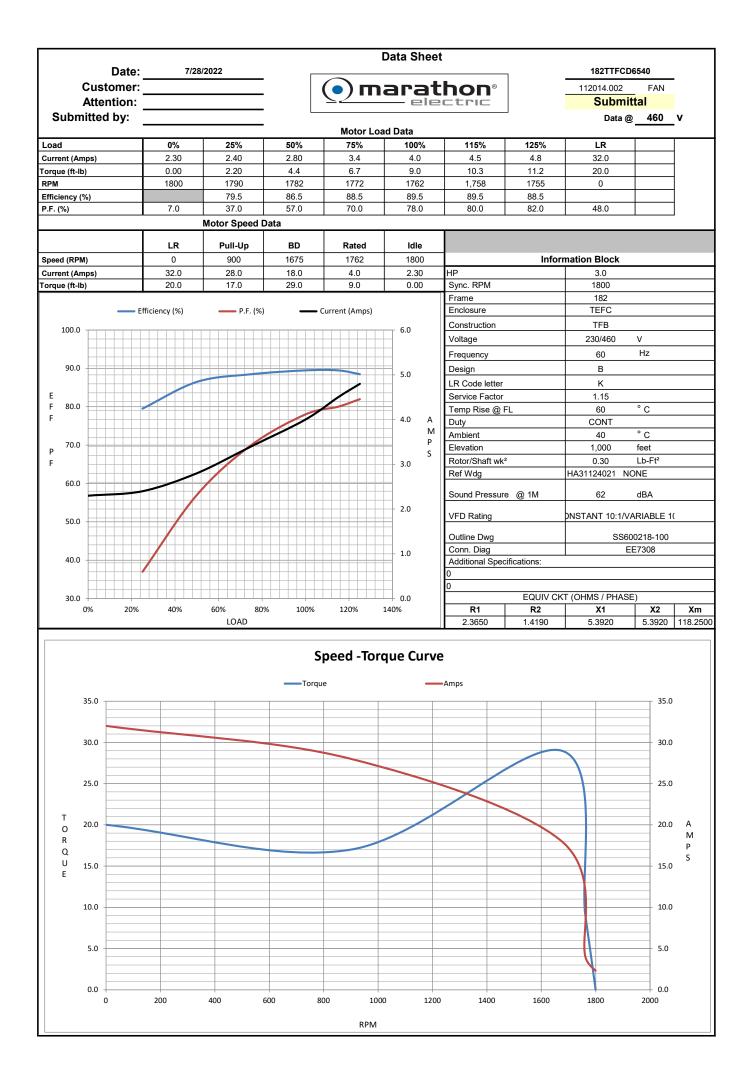
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										P.O. BOX	3003			
					WALLSALL MI 54404 9003									
PH. 715-675-3311														
									1		DATA VOLTS:	460		
CERTIFICATION DATA SHEET														
CUSTOMER:					OMER P.O. #:	19277500								
		EE7308						REFERENCE MODEL #: CAT #:						
		SS600218-100				CUSTOMER PART #:								
WINDING:			A31124021	NONE	3			00510	MOUNTING:	E1/E2 CAD				
SPEED:		Π <i>F</i>	431124021	NONE	3					504205B	ADLE			
SPEED:					т	YPICAL	MOTOR PERFORM	ANCE D		504205B				
НР	ĸw	SYNC				FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN		
3	2.2						182TC			TFB			В	
3	2.2	1800 1762			16210	TEFC		IFD	К		D			
PH	HZ	VOL	LTS	AMF	PS		START TYPE		DUTY	INSL	S.F.	AMB	ELEV.	
3	60	230/		8/4			LINE OR INVERTER		CONT	н	1.15	40	3300	
				1		1								
	F.L. EFF	89.5		3/4 LD EFF	88.5		1/2 LD EFF	86.5	GTD EFF		ELECT	. TYPE		
	F.L. PF	78.0		3/4 LD PF	70.0		1/2 LD PF	57.0	88.5		SQ CAGE I	NV RATED		
F.L. T	ORQUE	LR	AMPS @	460 V		L.I	R. TORQUE	B.D. TORQU		=	F.L. RISE (°C)		
9.0	LB-FT		32.0		20.0	LB-FT	222%	29.0	LB-FT	322%	60			
	RESSURE	sou		ROTOR			MAX. LOAD WK ²		STALL TIME	STA	RTS/HOUR	APROX.	MOTOR	
62	dBA	71	dBA	0.30	LB-FT ²	25	LB-FT ²	32	SEC.		2	153	LB.	
						*** Sl	JPPLEMENTAL INFORM							
		ODE BR		MOUNT TYPE		OTOR		HAZARDOUS		DRIP COVER	SCREENS	DAINT		
	ACE	TYI STANI		RIGID		ITATION SEVERE DUTY				YES	NONE	PAINT BLUE - RAL 5003 (EPOXY)		
C-r	AGE	STAN	DARD	RIGID	HURIZ	RIZONTAL PREMIUM SEVERE DUTY		DIVISION 2 T2B		TES	NUNE BLUE-		AL 5003 (EPOXT)	
BEA	RINGS									[
DE	ODE	GRE	ASE	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL		
BALL	BALL	POLYR		т			NONE	NONE		1045 HOT ROLLED (C-204)				
6206	6205	POLTR		,			NONE		NONE	1045 HO1	ROLLED (C-204)		CAST IRON	
						1				r				
THERMOSTATS PROTECTORS		WDG R	ID'S BRG RTD'S		THERMISTORS		CONTROL		SPACE HEATERS					
	ONE	NC		NON		NONE		NONE		FALSE		NA		
R1 (o	hms/ph)	R2 (ohr	ms/ph)	X1 (ohm	ns/ph)	ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
2.365		1.4		5.39		5.392		118.25		0.080		ODE		
*														
N						INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1								
0								INV. HP SPEE	D RANGE:	NONE				
т														
E						ENCODER: NONE								
S				NONE										
*									NONE			NONE	PPR	
									BRAKE:					
PRE	PARED BY:	= 10 - 1	0000					NONE NONE						
DATE: 7/26/2022				FT-LB: NA										
				VOLTAGE: NONE HZ: UL: NO LETTER - ME,WUXI TEFC BLUEWHALE CLASS 1 DIV. 2 UL LISTED										
FORM: 35	31 REV 4	2/27/06						UL	NO LETTER	- ME,WUXI	I EFC BLUEWHAL	E CLASS 1	DIV. 2 UL LISTED	





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: 182TTFCD6540

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

Catalog No : E030

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