PRODUCT INFORMATION PACKET

Model No: 182TTFCD6501 Catalog No: E390A XRI®-SD Severe Duty Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 182T Frame, TEFC



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Motors

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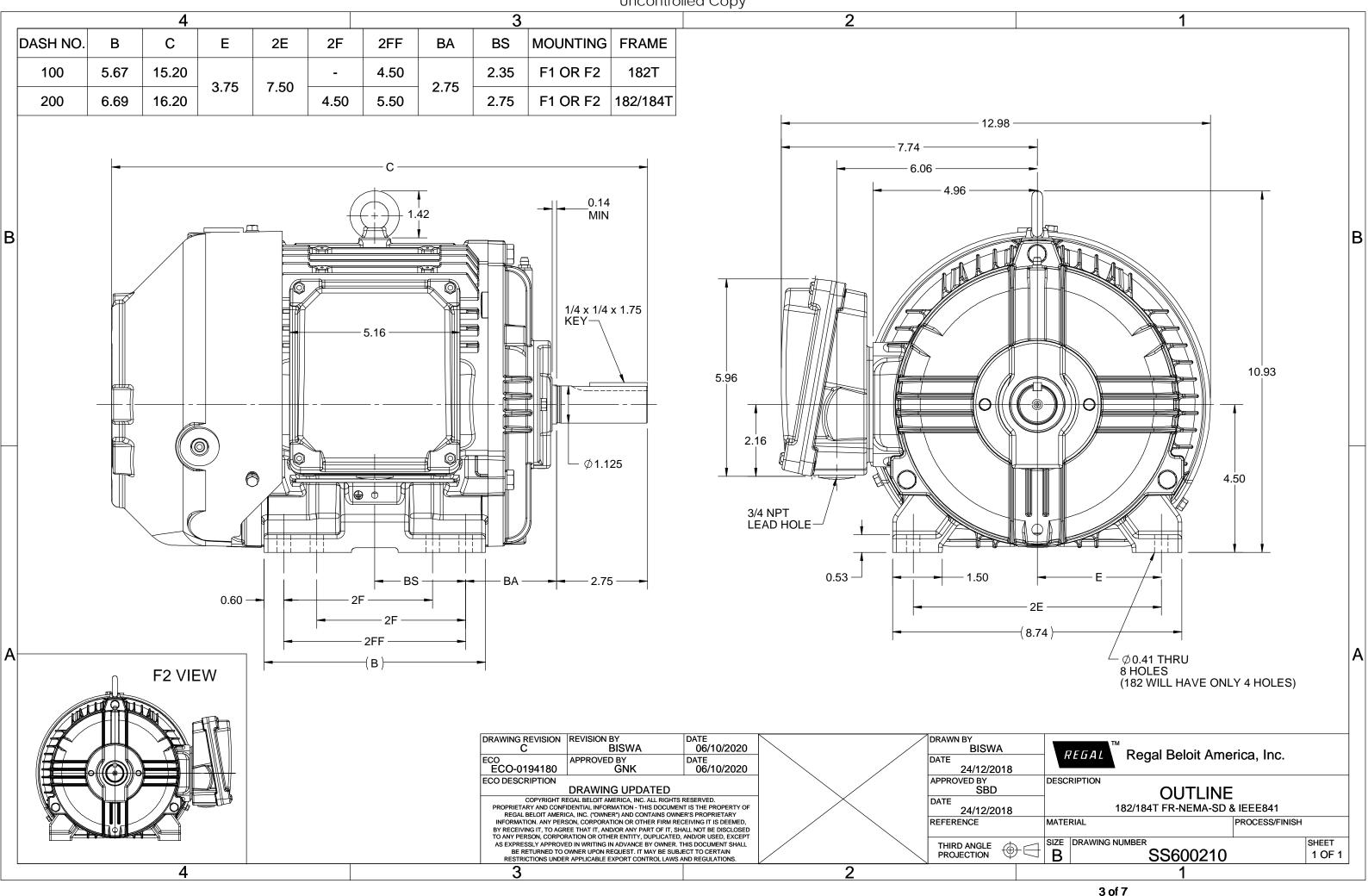
Nameplate Specifications

Output HP	3 Нр	Output KW	2.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	8.0/4.0 A	Speed	3535 rpm
Service Factor	1.15	Phase	3
Efficiency	86.5 %	Power Factor	82
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	К
Frame	182T	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	Y	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

Technical Specifications

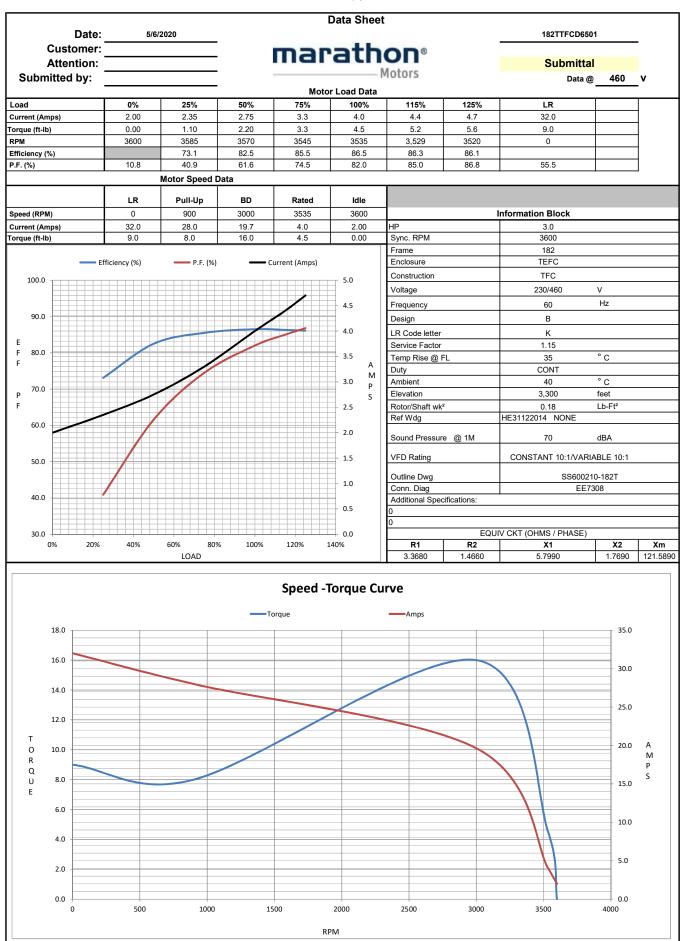
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	2	Rotation	Reversible		
Resistance Main	5.72 Ohms	Mounting	Rigid Base		
Motor Orientation Horizontal		Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	т	Shaft Diameter	1.125 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1		
Outline Drawing	SS600210-100	Connection Drawing	EE7308		

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					d	Motors				DATA VOLTS:	460	
					CE	RTIFICATION DATA	SHEET	Г				
CONN. DI DUTLINE WINDING	:	EE7308 SS600210-182T HE31122014	NONE	3				MODEL #: CAT #: MOUNTING:	E390A			
				ТҮ	PICAL	MOTOR PERFORM	IANCE	DATA				
HP	ĸw	SYNC RPM	FL R	РМ		FRAME	ENCL	OSURE	TYPE	KVA COI	DE DESIGN	
3	2.2	3600	353	5		182T T		EFC	TFC	TFC K		В
РН 3	HZ 60	VOLTS 230/460	AMF 8/2			START TYPE		UTY ONT	INSL H	S.F. 1.15	AMB (° C) 40	ELEV. (Ft) 3300
	F.L. EFF	86.5	3/4 LD EFF	85.5	L	1/2 LD EFF	82.5	GTD EFF			 Г. ТҮРЕ	
	F.L. PF	82.0	3/4 LD PF	74.5		1/2 LD PF	61.6	85.5		SQ CAGE	INV RATED	
F.L. T 4.5	F.L. TORQUE LR AMPS @ 460 V .5 LB-FT 32.0		L.R. TORQUE 9.0 LB-FT 200%					F.L. RISE (35	°C)			
SOUND F	PRESSURE	SOUND	ROTOR	WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	STA	RTS/HOUR	APROX.	мото
70	dBA	79 dBA	0.18	LB-FT ²		LB-FT ²	15	SEC.		2	97	LB.
		ODE BRACKET	MOUNT	мот		IPPLEMENTAL INFOR		***	DRIP		1	
	NDARD	STANDARD	TYPE RIGID	ORIENT	ATION	SEVERE DUTY	LOC	ATION ON 2 T2B	COVER NO	SCREENS NONE	PAINT BLUE (EPOXY)	
BEA DE	RINGS	GREASE	SHAFT	TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAM	E MATERIAL
BALL	BALL 6205	POLYREX EM	т			NONE	Ν	ONE	1045 HOT ROLLED (C-204)		CA	ST IRON
6206		PROTECTORS	WDG F	TD's		BRG RTD's	THER	MISTORS	c	ONTROL	SPACE	HEATERS
	IOSTATS	NOT	NOM	1E		NONE	N	ONE		FALSE		NA
THERM	ONE	NOT										
THERM N		R2 (ohms/ph) 1.466	X1 (ohn 5.79			X2 (ohms/ph) 1.769		hms/ph) 1.589	VIBRA	ATION (in/sec) 0.080		
THERM N	ONE hms/ph)	R2 (ohms/ph)					12	1.589 If Inverter equ	als NONE,	0.080 contact factory for fr CONSTANT 10:1/V		
THERM N R1 (ol 3. * N O	ONE hms/ph)	R2 (ohms/ph)					12 IN	1.589 If Inverter equ INVERTER	als NONE, TORQUE: D RANGE:	0.080 contact factory for fr CONSTANT 10:1/V		:1





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: 182TTFCD6501

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

Catalog No : E390A

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