## PRODUCT INFORMATION PACKET



Model No: 184TTFCD6810 Catalog No: E472A

XRI®-SD Severe Duty Motor, 5 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 184T Frame, TEFC



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### Nameplate Specifications

Output HP	5 Hp	Output KW	3.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	12.0/6.0 A	Speed	3510 rpm
Service Factor	1.15	Phase	3
Efficiency	88.5 %	Power Factor	88
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	J
Frame	184T	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	Υ
CE	Υ	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1
	·	·	<u> </u>

### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	2	Rotation	Reversible			
Resistance Main	3.55 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 20:1/VARIABLE 10:1			
Outline Drawing	SS600210-200	Connection Drawing	EE7308			

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**Uncontrolled Copy** 3 DASH NO. В С Ε MOUNTING FRAME 2E 2F 2FF BA BS 100 F1 OR F2 182T 5.67 15.20 4.50 2.35 3.75 7.50 2.75 182/184T 16.20 5.50 F1 OR F2 200 6.69 4.50 2.75 12.98 7.74 6.06 4.96 0.14 MIN В 1/4 x 1/4 x 1.75 KEY-10.93 5.96 2.16 — ∅1.125 4.50 (I⊕ ⊕ 3/4 NPT LEAD HOLE-0.53 -BA 2.75 -0.60 -(8.74) Ø0.41 THRU 8 HOLES F2 VIEW (182 WILL HAVE ONLY 4 HOLES) DRAWING REVISION REVISION BY BISWA DATE 06/10/2020 DRAWN BY **BISWA** Regal Beloit America, Inc. REGAL ECO-0194180 APPROVED BY GNK DATE 06/10/2020 DATE 24/12/2018 ECO DESCRIPTION APPROVED BY SBD DESCRIPTION DRAWING UPDATED

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RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS. PROCESS/FINISH REFERENCE MATERIAL SIZE DRAWING NUMBER SHEET THIRD ANGLE В SS600210 1 OF 1 PROJECTION 4 3 of 7



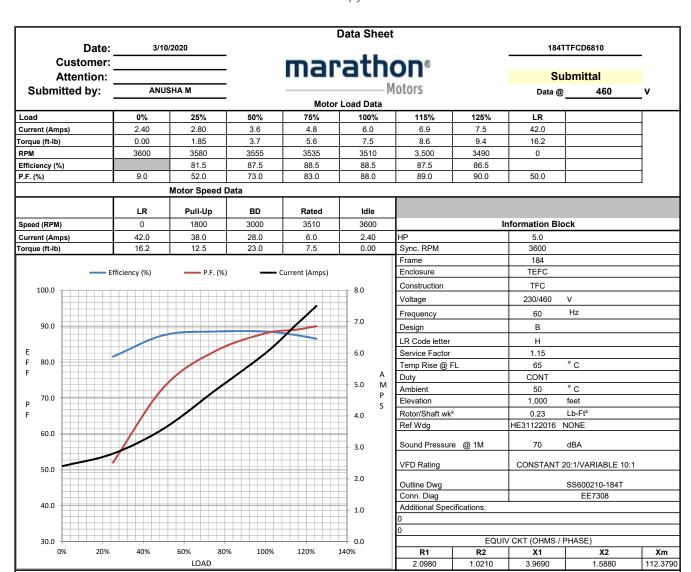


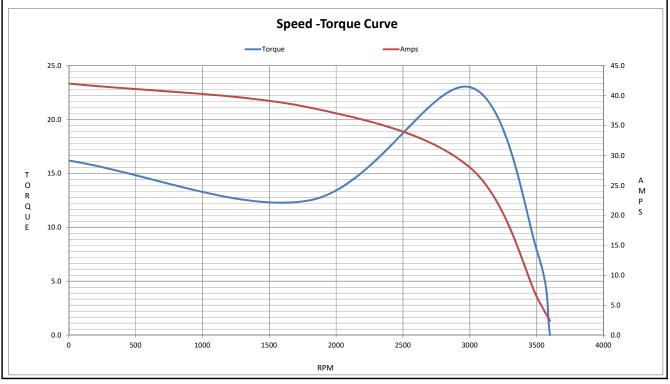
DATA VOLTS: 460

#### **CERTIFICATION DATA SHEET**

REFERENCE MODEL #: 184TTFCD6810
CAT #: F472A

						R	EFERENC	E MODEL #:	184TTFCE			
CONN. DIA		EE7308						CAT #:		E472A		
OUTLINE: VINDING:		SS600210-184T HE31122016	NONE	3				MOUNTING:	E1/E2 CAE	DARI E		
INDING:		1122010	NONE	3				WOUNTING:	FI/FZ CAF	PADLE		
				T	<b>YPICAL</b>	MOTOR PERFORM	//ANCE	DATA				
HP	ĸw	SYNC RPM	FLR	РМ		FRAME	ENC	LOSURE	TYPE	KVA COL	DE	DESIGN
5	0.7	3600	351			184T			TFC			Ь
5	3.7	3600	351	0		1841		TEFC	IFC	Н		В
PH	HZ	VOLTS	AMPS		START TYPE DUTY		INSL	NSL S.F. AMB (° C)		ELEV.(F		
3	60	230/460 12/6		6	LINE OR INVERTER		CONT		Н	1.15	40	3300
	F.L. EFF	88.5	3/4 LD EFF	88.5		1/2 LD EFF	87.5	GTD EFF	I	ELECT. 1	ГҮРЕ	
	F.L. PF	88.0	3/4 LD PF	83.0		1/2 LD PF	73.0	87.5		SQ CAGE IN	V RATED	
FI 1	TORQUE	LR AMPS @	460 V		I R	. TORQUE		B.D. TORQUI	<b></b>	F.L. RISE (	° C)	
	LB-FT	42.0		16.2	LB-FT	216%	23.0	LB-FT	307%	65		
SOLIND D	DESCUIDE @	SOUND	ROTOR	) WK2		MAX. LOAD WK <sup>2</sup>	CAEE	TALL TIME	STARTS/HOUR		ADDOV	
70 dBA		79 dBA	0.23	LB-FT <sup>2</sup>	5.5	LB-FT <sup>2</sup>	15	SEC.	31	2	284 LB.	
*** SUPPLEMENTAL INFO ODE BRACKET   MOUNT   MOTOR			HAZ	HAZARDOUS DRIP								
		ODE BRACKET TYPE			SEVERE DUTY			DRIP COVER			PAINT	
STA	NDARD	STANDARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVIS	ION 2 T2B	NO	NONE	BLUE (	EPOXY)
BEA	ARINGS	GREASE	SHAFT	TYPE		SPECIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL
<b>DE</b> BALL	ODE BALL	OKLAGE	SHATTIFE			OI EGIAL DE						
6206	6205	POLYREX EM	Т			NONE	N	IONE	1144 STRESSPROOF (C-223)		CAST IRON	
											SPACE	HEATER
THERMOSTATS		PROTECTORS	WDG F			BRG RTD's	THERMISTORS		CONTROL			
N	IONE	NOT	NON	NE		NONE		IONE		FALSE	<u> </u>	IA
R1 (ohms/ph) R2 (ohms/ph)		X1 (ohn	ns/ph)	X2 (ohms/ph)		Xm (	ohms/ph)	VIBRATION (in/sec)		FLOAT		
2	2.098	1.021	3.96	69		1.588	11	12.379		0.080	0	DE
*										contact factory for ful		on
N					INVERTER TORQUE: CONSTANT 20:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
О Т							II.	NV. HP SPEEI	D RANGE:	NONE		
								ENCODER:	NONE			
F		NONE										
E S								NONE			NONE	PPR
\$ *								BRAKE:				
\$ *	EPARED BY:							NON		NONE		
\$ *	EPARED BY: DATE:	ANUSHA M 3/18/2020						NON FT-LB:		NA		
S * PRI								NON				ŀ







# **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: 184TTFCD6810

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

Catalog No : E472A

Rework No: N/A

#### **Directives:**

Low Voltage Directive 2014/35/EU

#### Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

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

Authorized Representative:

<u>Authorized Representative in the Community:</u>

J. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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