

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 184TTTCD6576

Catalog No: E633A

XRI®-SD Severe Duty Motor, 2 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 184T Frame, TENV



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RegalRexnord

Nameplate Specifications

Phase	3	Output HP	2 Hp
Output KW	1.5 kW	Voltage	460 V
Speed	1175 rpm	Service Factor	1.15
Frame	184T	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	No Protection	Efficiency	88.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	3.0 A	Power Factor	70
Duty	Continuous	Insulation Class	H
Design Code	B	KVA Code	L
Drive End Bearing Size	6206	Opp Drive End Bearing Size	6205
UL	Listed	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	5.35 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Shaft Diameter	1.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Connection Drawing	EE7300	Outline Drawing	SS600211-200

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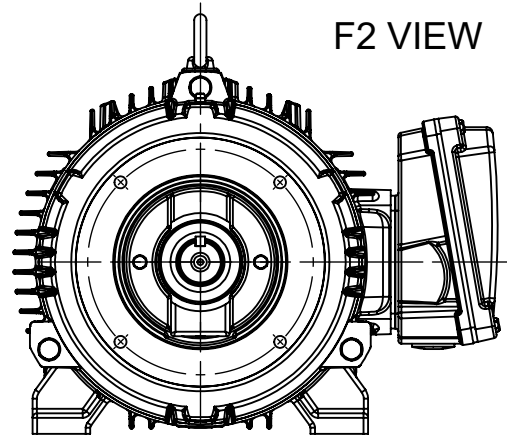
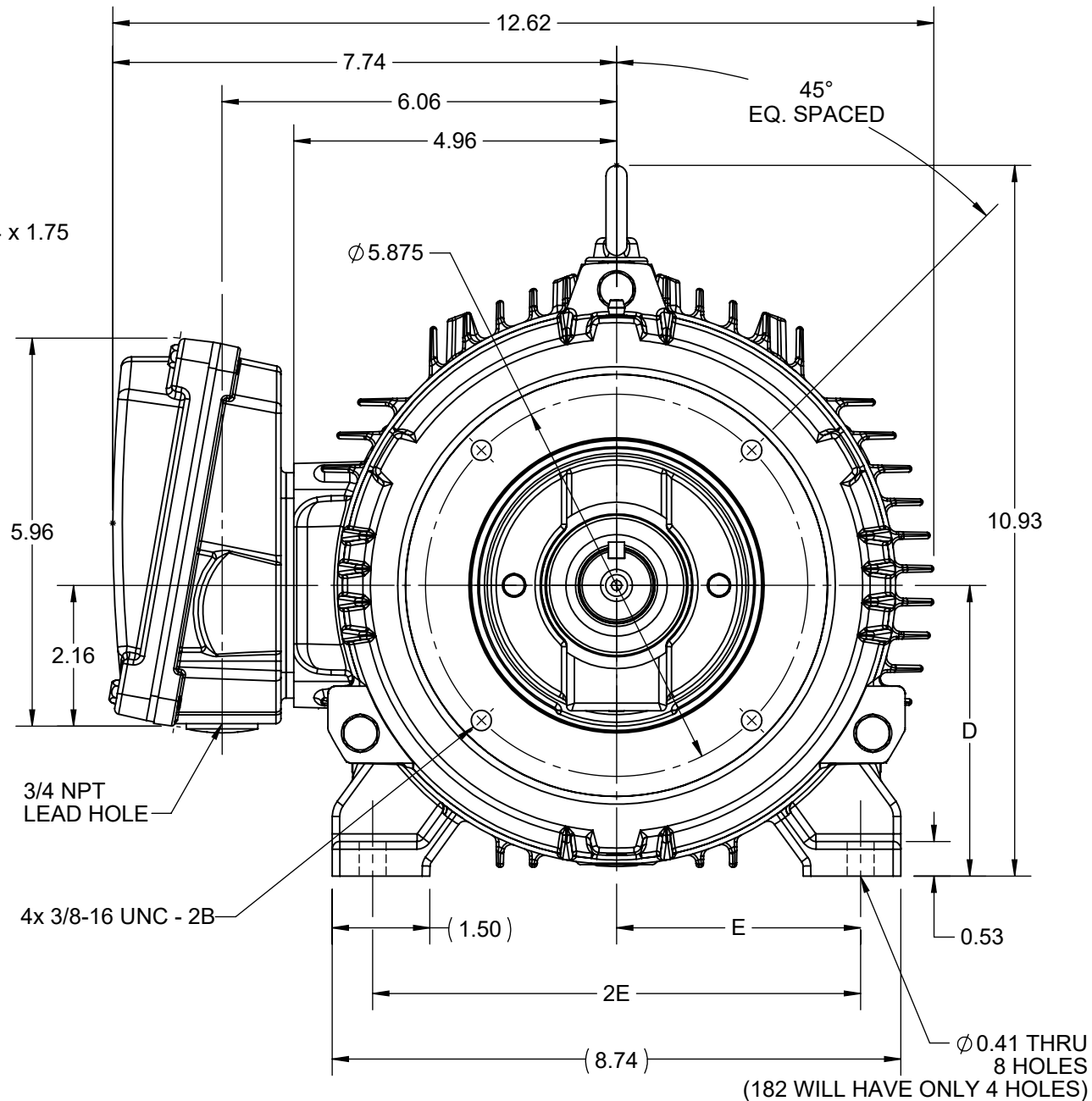
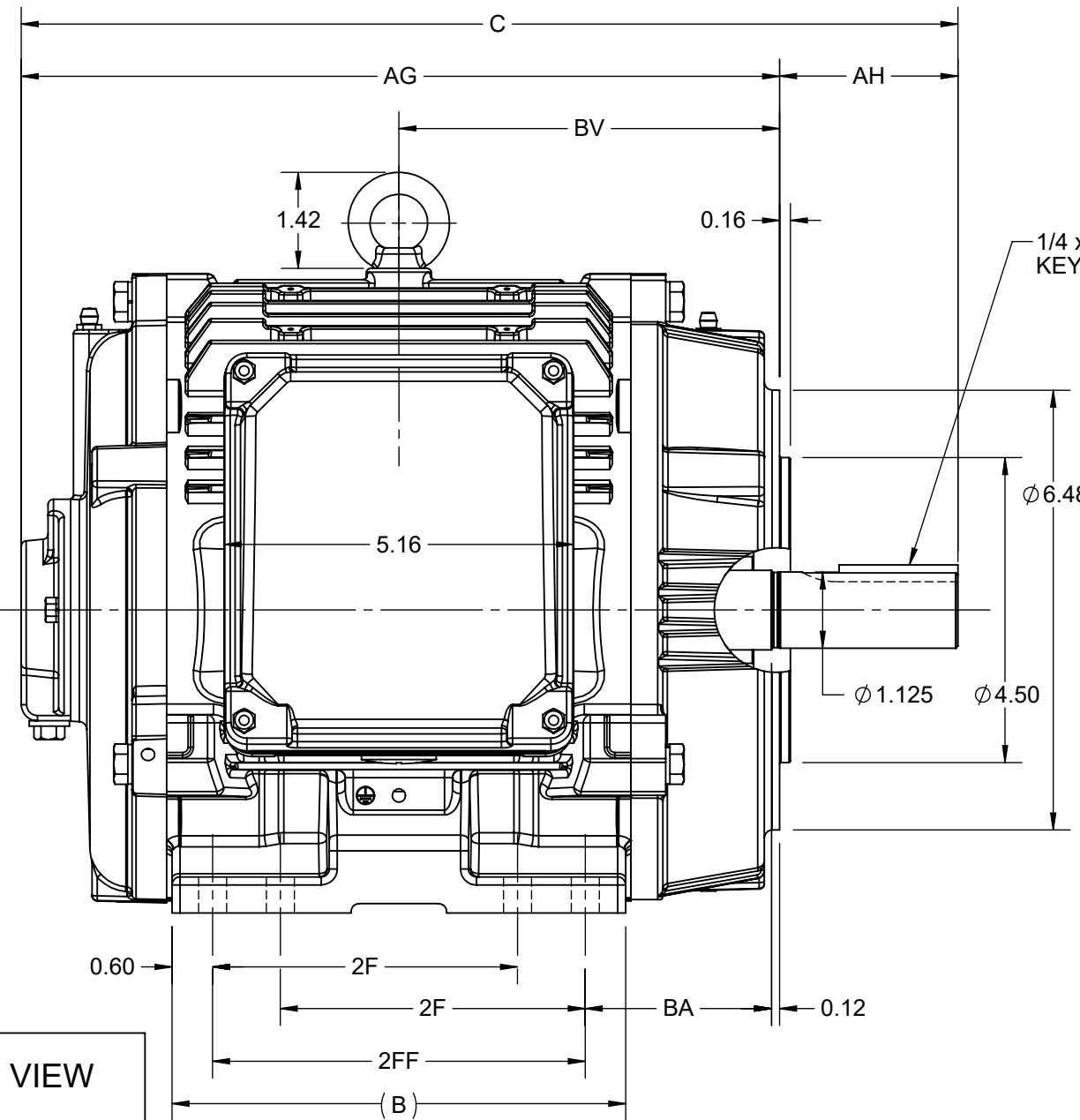
4				3				2				1	
DASH NO.	B	C	D	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	5.67	12.82	4.50	3.75	7.50	-	4.50	10.20	2.62	2.75	5.12	F1 OR F2	182TC
200	6.69	13.82				4.50	5.50	11.20			5.62		182/184TC

B

A


B

A



DRAWING REVISION A	REVISION BY RAM	REV DATE/© DATE 22/08/2022
REQUEST NUMBER CR-0010970	APPROVED BY SBD	DATE 22/08/2022
REQUEST NUMBER DESCRIPTION NEW DRAWING RELEASE		
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DRAWN BY RAM	 Regal Beloit America, Inc.	
DATE 22/08/2022		
APPROVED BY SBD	DESCRIPTION OUTLINE	
DATE 22/08/2022	182/184TC FR-NEMA-TEAO/TENV - 4.5 AK C-FACE KIT	
REFERENCE SS600211	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS600211C
		SHEET 1 OF 1

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

IF MOTOR HAS 9 LEADS

T1(U1)

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

T2(V1)

L2

T3(W1)

T3(W1)

T3(W1)

L3

IF MOTOR HAS 6 LEADS

T1(U1)

T1(U1)

L1

T2(V1)

T2(V1)

L2

T3(W1)

T3(W1)

L3

A-9806 DECAL



VIEW OF TERMINAL END

OPTIONAL CORD CONNECTION	
L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION AC	REVISION BY BS	REV DATE/© DATE 26/07/2022
REQUEST NUMBER CR-0010402	APPROVED BY SN	DATE 26/07/2022
REQUEST NUMBER DESCRIPTION DRAWING UPDATED		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION

<div>Regal Rexnord</div> <div>Regal Beloit America, Inc.</div>	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR	
MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7300
SHEET 1 OF 1	



DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300
 REFERENCE MODEL #: 184TTTCD6576
 OUTLINE: SS600211
 CAT #: E633A
 WINDING: HA31126009 NONE 1
 MOUNTING: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC RPM	FL RPM	FRAME	ENCLOSURE	TYPE	KVA CODE	DESIGN
2	1.5	1200	1175	184T	TENV	TFC	L	B

PH	HZ	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	460	3	LINE OR INVERTER	CONT	H	1.15	40	3300

F.L. EFF	88.5	3/4 LD EFF	87.5	1/2 LD EFF	85.5	GTD EFF	ELECT. TYPE
F.L. PF	70.0	3/4 LD PF	63.0	1/2 LD PF	51.0	87.5	SQ CAGE INV RATED

F.L. TORQUE	LR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE (° C)
9.0 LB-FT	22.5	27.0 LB-FT 300%	30.0 LB-FT 333%	30

SOUND PRESSURE	SOUND	ROTOR WK²	MAX. LOAD WK²	SAFE STALL TIME	STARTS/HOUR	APROX.
50 dBA	59 dBA	0.50 LB-FT²	40 LB-FT²	15 SEC.	2	125 LB.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	NO	NONE	BLUE (EPOXY)

BEARINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	MATERIAL	FRAME MATERIAL
DE ODE							
BALL BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)		CAST IRON
6206 6205							

THERMOSTATS	PROTECTORS	WDG RTD's	BRG RTD's	THERMISTORS	CONTROL	SPACE HEATERS
NONE	NOT	NONE	NONE	NONE	FALSE	NA

R1 (ohms/ph)	R2 (ohms/ph)	X1 (ohms/ph)	X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION (in/sec)
3.102	2.256	8.601	10.575	141	0.080

* N O T E S *	If Inverter equals NONE, contact factory for further information	
	INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1	
	INV. HP SPEED RANGE: NONE	
	ENCODER: NONE	
	NONE PPR	

PREPARED BY: _____ DATE: 5/15/2020	BRAKE: NONE NONE FT-LB: NA VOLTAGE: NONE HZ:
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FORM: 3531 REV_4 2/27/06
 ** Subject to change without notice.

Data Sheet

Date: 5/6/2020
 Customer: _____
 Attention: _____
 Submitted by: _____

marathon
 Motors

184TTTCD6576

Submittal

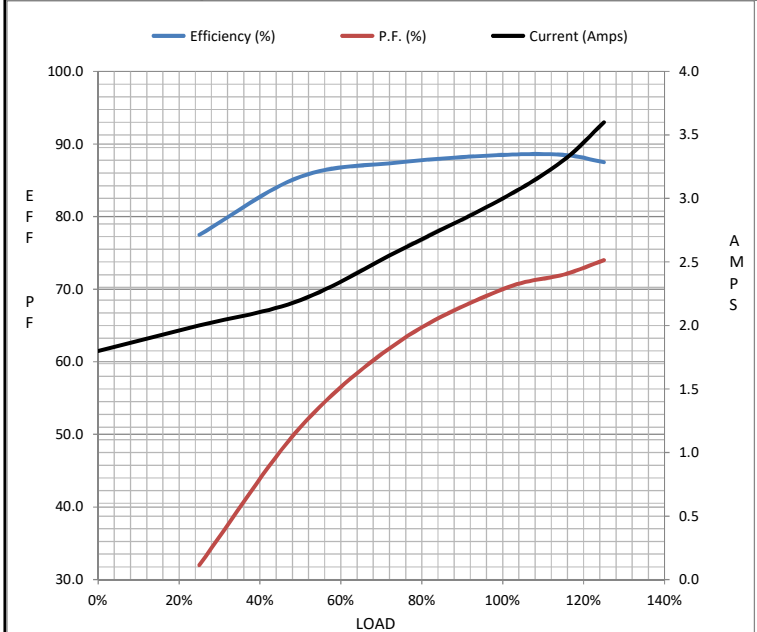
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.80	2.00	2.20	2.60	3.0	3.3	3.6	22.5	
Torque (ft-lb)	0.00	2.20	4.5	6.7	9.0	10.3	11.2	27.0	
RPM	1200	1194	1188	1180	1175	1,170	1168	0	
Efficiency (%)		77.5	85.5	87.5	88.5	88.5	87.5		
P.F. (%)	7.0	32.0	51.0	63.0	70.0	72.0	74.0	48.0	

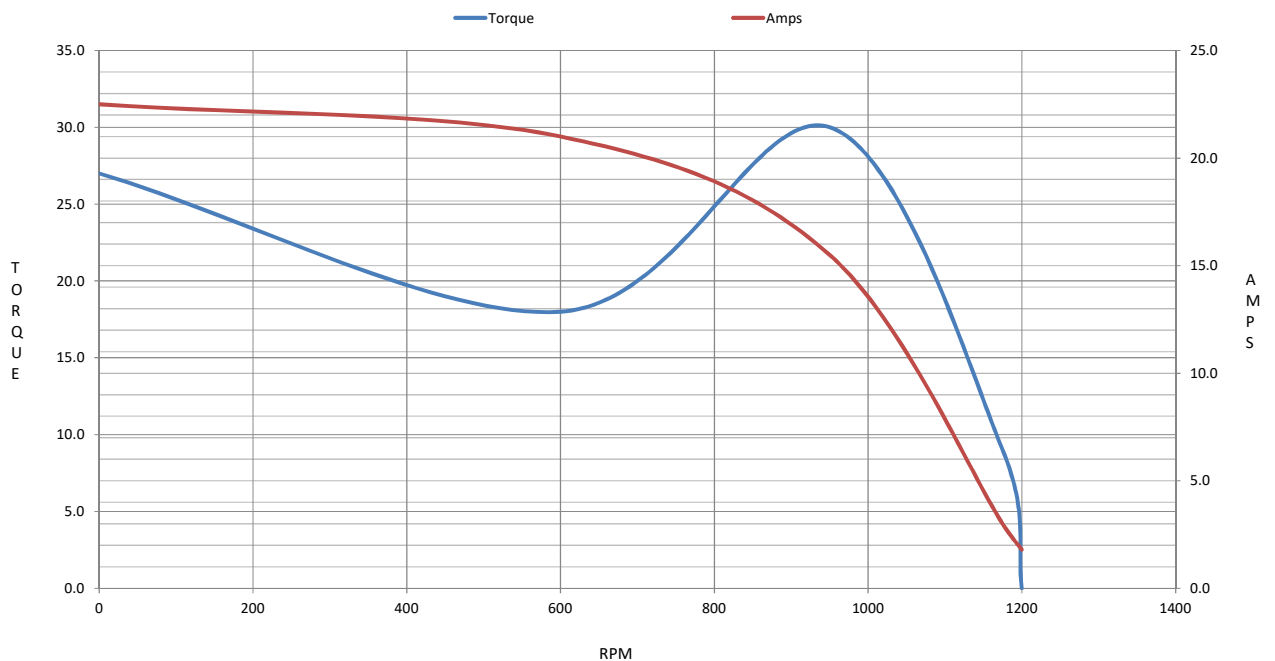
Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	950	1175	1200
Current (Amps)	22.5	21.0	15.5	3.0	1.80
Torque (ft-lb)	27.0	18.0	30.0	9.0	0.00



Information Block				
HP		2.0		
Sync. RPM		1200		
Frame		184		
Enclosure		TENV		
Construction		TFC		
Voltage		460	V	
Frequency		60	Hz	
Design		B		
LR Code letter		L		
Service Factor		1.15		
Temp Rise @ FL		30	° C	
Duty		CONT		
Ambient		40	° C	
Elevation		3,300	feet	
Rotor/Shaft wk²		0.50	Lb-Ft²	
Ref Wdg		HA31126009 NONE		
Sound Pressure @ 1M		50	dBA	
VFD Rating		CONSTANT 10:1/VARIABLE 10:1		
Outline Dwg		SS600211		
Conn. Diag		EE7300		
Additional Specifications:				
0				
0				
EQUIV CKT (OHMS / PHASE)				
R1	R2	X1	X2	Xm
3.1020	2.2560	8.6010	10.5750	141.0000

Speed -Torque Curve



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 : 184TTTCD6576

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

Catalog No : E633A

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
Vice President, Technology

Authorized Representative in the Community:



Julian Clark
Marketing Engineer

Created on 09/01/2022

CE 22