## **PRODUCT INFORMATION PACKET**

Model No: 160MTFC6586 Catalog No: R332A Globetrotter® IEC Cast Iron Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 160M Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



marathon<sup>®</sup>

Motors



**in ruga**ineni

Product Information Packet: Model No: 160MTFC6586, Catalog No:R332A Globetrotter® IEC Cast Iron Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1200 & 1000 RPM, 160M Frame, TEFC

# marathon®

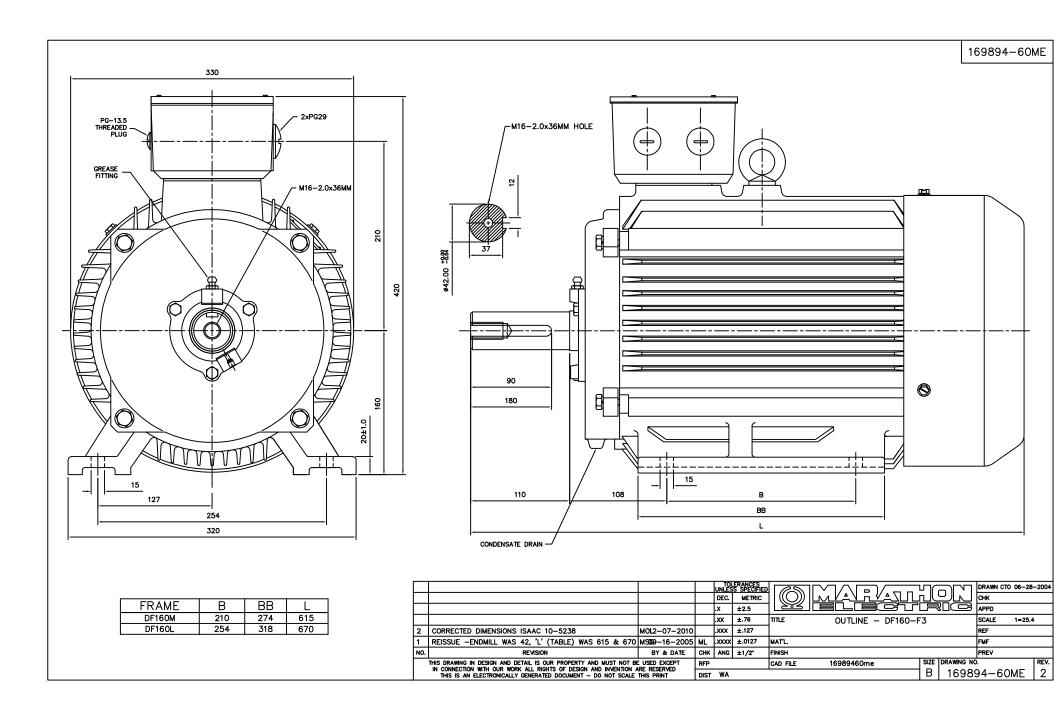
#### Nameplate Specifications

3	Output HP	10 & 7.50 Hp		
7.5 & 5.6 kW	Voltage	230/460 & 200/400 V		
1183 & 985 rpm	Service Factor	1.15 & 1.15		
160M	Enclosure	Totally Enclosed Fan Cooled		
No Protection	Efficiency	92.1 & 91.7 %		
40 °C	Frequency	60 & 50 Hz		
28.8/14.4 & 25.6/12.8 A	Power Factor	71.6		
Continuous	Insulation Class	F		
В	KVA Code	G		
6309	Opp Drive End Bearing Size	6209		
No	CSA	Y		
Y	IP Code	55		
1				
	7.5 & 5.6 kW 1183 & 985 rpm 160M No Protection 40 °C 28.8/14.4 & 25.6/12.8 A Continuous B 6309 No	7.5 & 5.6 kWVoltage1183 & 985 rpmService Factor160MEnclosureNo ProtectionEfficiency40 °CFrequency28.8/14.4 & 25.6/12.8 APower FactorContinuousInsulation ClassBKVA Code6309Opp Drive End Bearing SizeNoCSA		

#### **Technical Specifications**

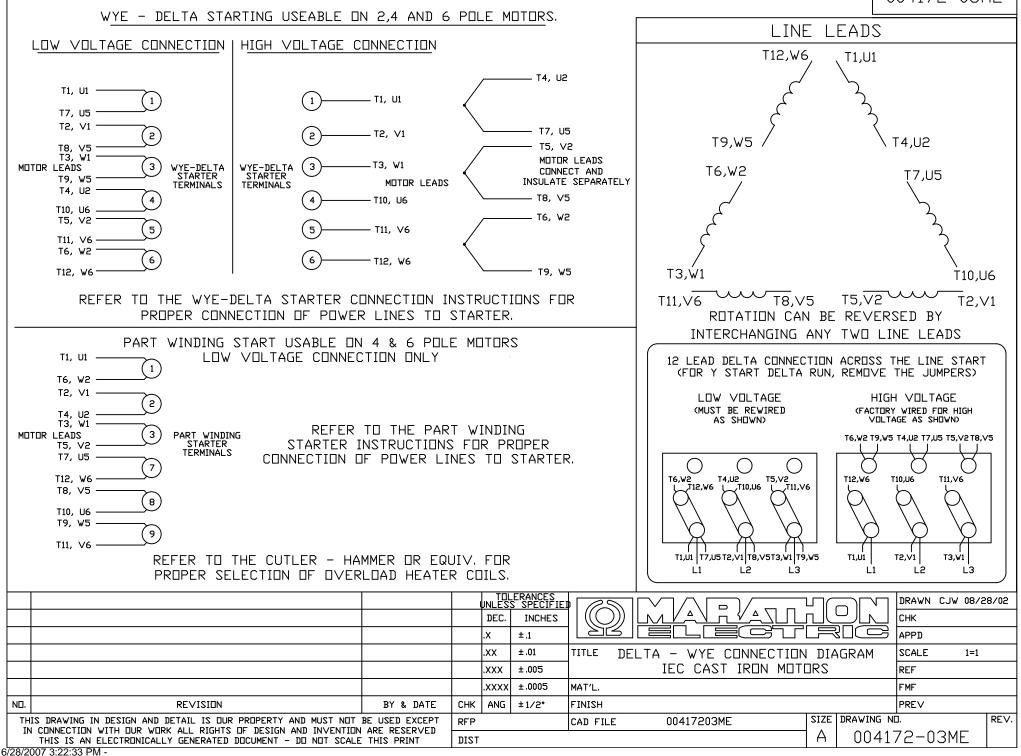
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.766 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	IEC	Overall Length	24.21 in
Shaft Diameter	1.666 in	Shaft Extension	4.33 in
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1
Outline Drawing	169894.60ME	Connection Drawing	004172.03ME

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/21/2023



#### 3 of 8

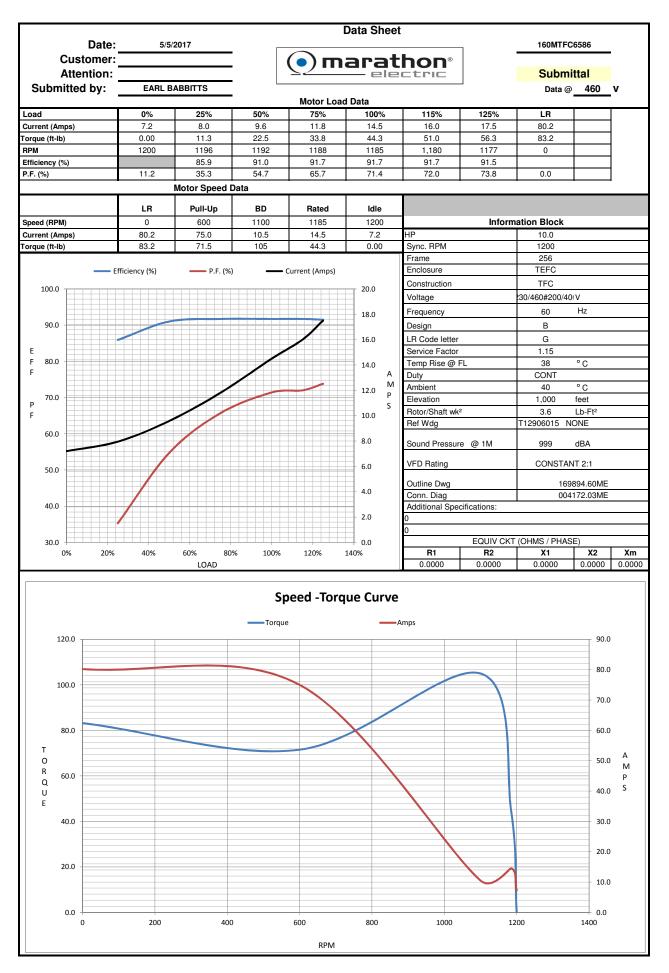
004172-03ME



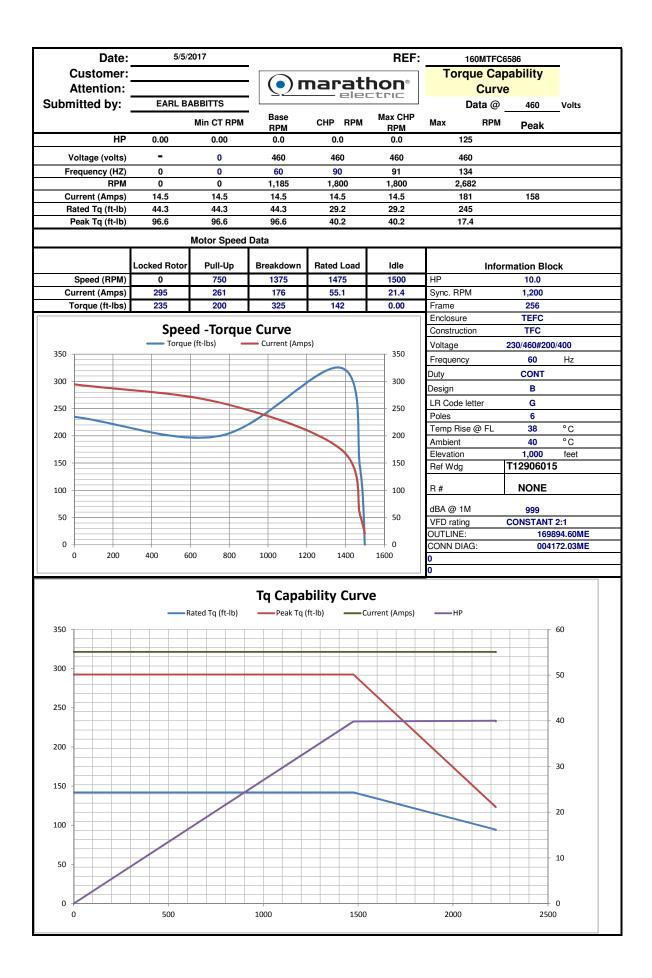
Uncontrolled Copy

										2002		
					P.O. BOX 8003 WAUSAU, WI 54401-8003							
				( • ) r	паг	ratho			PH. 715-6			
				$\leq 2$		electi						
										DATA VOLTS:	460	I
CERTIFICATION DATA SHEET												
CUSTOMER:		-	CUSTOMER P.O. #: REFERENCE MODEL #: 160MTFC6586				_					
ORDER #: CONN. DIAGRAM:		R				CAT #:					-	
OUTLINE		169894.60ME					CUSTON	IER PART #:		IOOL/ I		
WINDING	:	T12906015	NONE	3				MOUNTING:	F3			-
SPEED:												
			ТҮ	PICAL	MOTOR	PERFOR	MANCE	DATA	<b>r</b>			
НР	кw	SYNC RPM	FL R	РМ	F	RAME	ENCLOSURE		ТҮРЕ	KVA CODE		DESIGN
							LING					DEGIGIN
10	7.5	1200	118	35		160M	TEFC		TFC	G		Ν
PH	HZ	VOLTS	AM	PS	STA	RT TYPE	D	UTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#200/400	29/14.5&2	25.6/12.8	PWS & Y	drun or inv	C	ONT	F	1.15	40	3300
		01.7	3/4 LD EFF	01.7	1		01.0	GTD EFF	r	ELECT. T	VDE	
	F.L. EFF F.L. PF	91.7 71.4	3/4 LD EFF 3/4 LD PF	91.7 65.7		1/2 LD EFF 1/2 LD PF	91.0 54.7	91.0		SQ CAGE IN		
		71.4	0/4 20 11	00.7		1/2 2011	04.7	01.0			TUNED	
F.L. T	ORQUE	LR AMPS @	460 V		L.R. TORQUE B.D. TORQU		B.D. TORQUI	F.L. RISE (°C)				
44.3	LB-FT	80.2		83.2	LB-FT	188%	105	LB-FT	237%	38		
	0.57	POWER	вотог	N///2	MAY		0455.0	TALL TIME	OTAR		NOTO	DWOT
999	3 FT. dBA	1008 dBA	80TOF 3.6	LB-FT <sup>2</sup>	3.6	LOAD WK <sup>2</sup> LB-FT <sup>2</sup>	15	SEC.	STAR	2 2	0	R WGT LB.
555	UDA -		` `	2011	0.0		15	020.	ļ	2	0	20.
						ITAL INFOR						
ODE BRACKET MOUNT MOTOR DE BRACKET TYPE TYPE ORIENTATION		SEVERE DUTY	HAZARDOUS DRIP LOCATION COVER		SCREENS	PAINT						
		STANDARD	RIGID		ZONTAL	UM SEVERE		ONE	NO	NONE	BLUE (ENAMEL)	
											(-	
BEA	RINGS	GREASE	SHAFT	TYPE	SPE	CIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	
DE	ODE											
BALL 6309	BALL 6209	POLYREX EM	STANDA	RD IEC	NONE		NONE		1045 HOT ROLLED (C-204		CAST IRON	
0000	0205											
											SP	ACE
	IOSTATS	PROTECTORS	WDG F				THERMISTORS		CONTROL		HEATERS	
N	ONE	NOT	NON	NE	1	NONE	N	ONE	F	ALSE	N	IA
B1 (o	hms/ph)	R2 (ohms/ph)	X1 (ohn	ns/ph)	X2 (0	ohms/ph)	Xm (c	hms/ph)	VIBRAT	ION (in/sec)	FL	DAT
	0	0	0		0		0		0.080		ODE	
*												
N O					INVERTER TORQUE: CONSTANT 2:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED							
т					W. HF OFEE	P NANGE:	1.0 A DAGE OF					
E								ENCODER:	NONE			
s				NONE								
*								NONE			NONE	PPR
			BRAKE: NONE									
PRE	PREPARED BY: EARL BABBITTS DATE: 5/5/2017				NONE NONE FT-LB: NA							
	BATE. 3/3/2017			VOLTAGE: NONE HZ:								
FORM: 3531 REV_4 2/27/06				UL: NONE								

#### Uncontrolled Copy



#### Uncontrolled Copy





### **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: 160MTFC6586

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

Catalog No : R332A

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