# **PRODUCT INFORMATION PACKET**

Model No: 160LTFC6538 Catalog No: R337A Globetrotter® IEC Cast Iron Motor, 20 & 15 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM, 160L Frame, TEFC



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# marathon®

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# marathon®

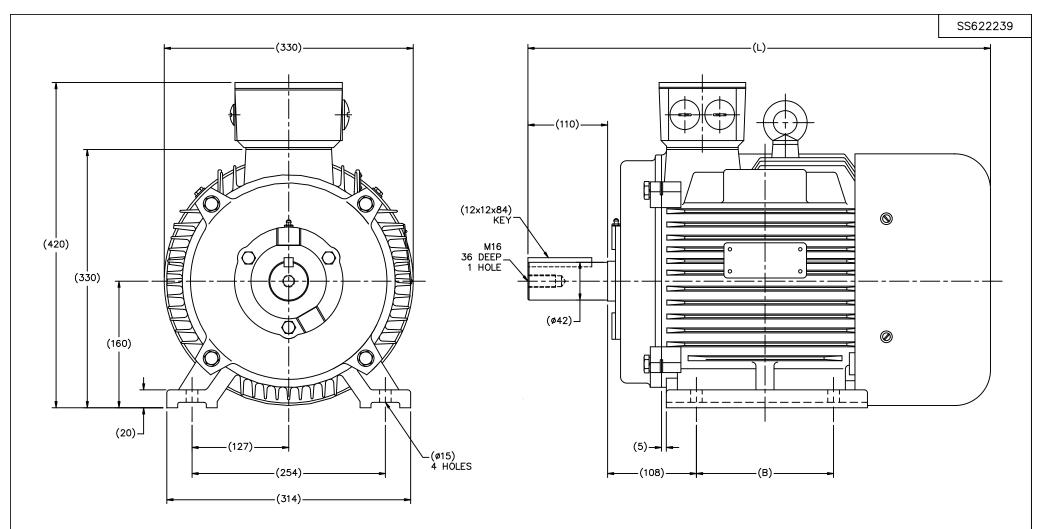
## Nameplate Specifications

Phase	3	Output HP	20 & 15 Hp
Output KW	14.9 & 11.2 kW	Voltage	230/460 & 200/400 V
Speed	1775 & 1476 rpm	Service Factor	1.15 & 1.15
Frame	160L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 & 91.7 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	49/24.6 & 43/21.5 A	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Recognized	CSA	Υ
CE	Y	IP Code	55
Number of Speeds	1		

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start & Wye Start Delta Run Or Inverter				
Poles	4	Rotation	Reversible				
Resistance Main	.322 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	25.39 in				
Shaft Diameter	1.666 in	Shaft Extension	4.33 in				
Assembly/Box Mounting	F3	Inverter Load	CONSTANT 2:1				
Connection Drawing	004172.03ME	Outline Drawing	B-SS622239				

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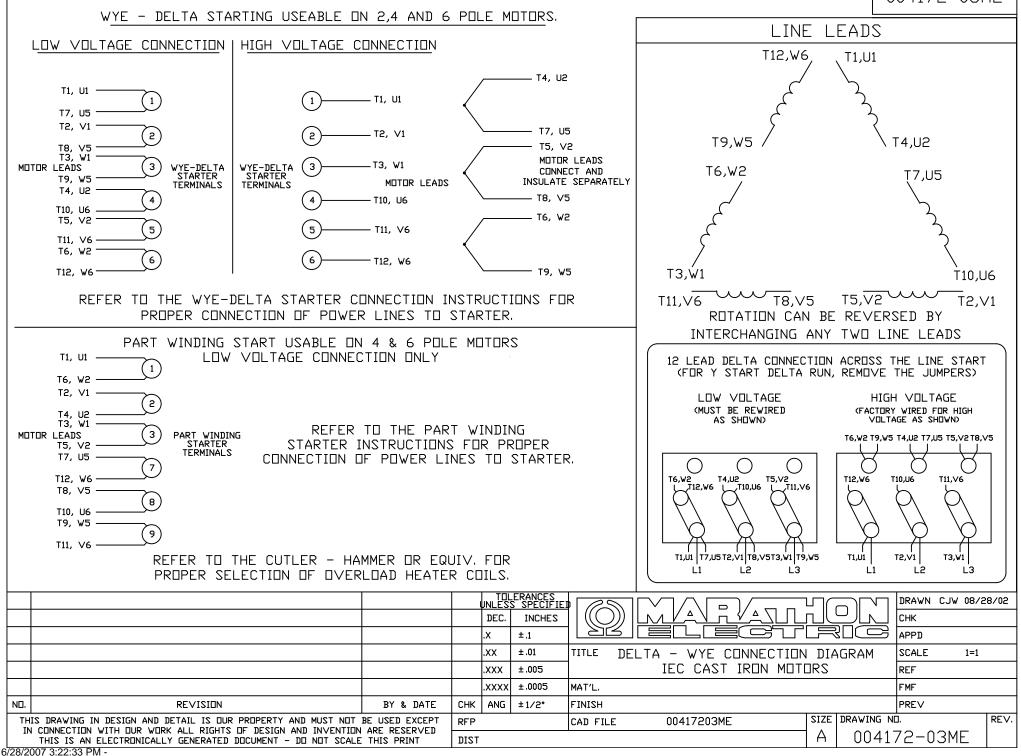
#### (MAY NOT BE DRAWN TO SCALE)

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				UNLES	ERANCES S SPECIFIED			DRAWN	MSG 11-17	-2010
				DEC.	METRIC		ORPORATION	СНК	MJS 11-18	-2010
				.x	±2.5			APPD	SB 11-18	-2010
				.xx	±.76	TILE OUTLINE - IEC PREMIUM		SCALE	5=16	;
				.xxx	±.127	DF160-R (II)		REF		
				.xxxx	±.0127	MAT'L.		FMF	HEBE	1
NO	REVISION	BY & DATE	СНК	ANG	±7'30"	FINISH		PREV		
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED			RFP	11-	-18-2010	CAD FILE ss622239	SIZE DRAWING NO		GE OF	REV.
			DIST				B SS6	622239		

DF160M1-2R	193315.60	600	210
DF160M2-2R	193318.60	600	210
DF160M-4R	193316.60	600	210
DF160L-2R	193321.60	645	254
DF160L-4R	193319.60	645	254
DF160M-6R	193314.60	600	210
FRAME	PART #	L	в

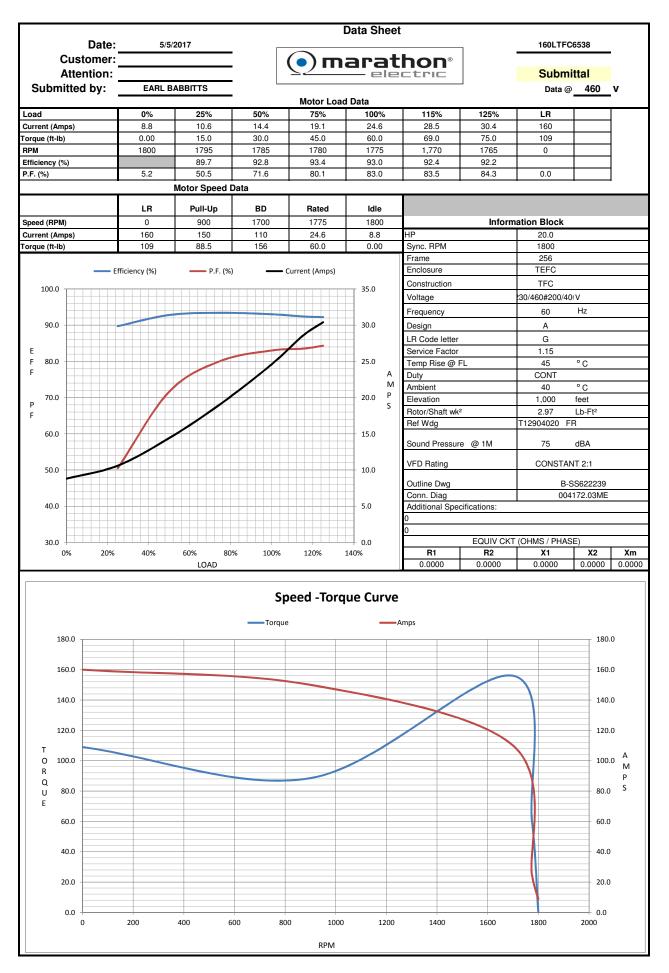
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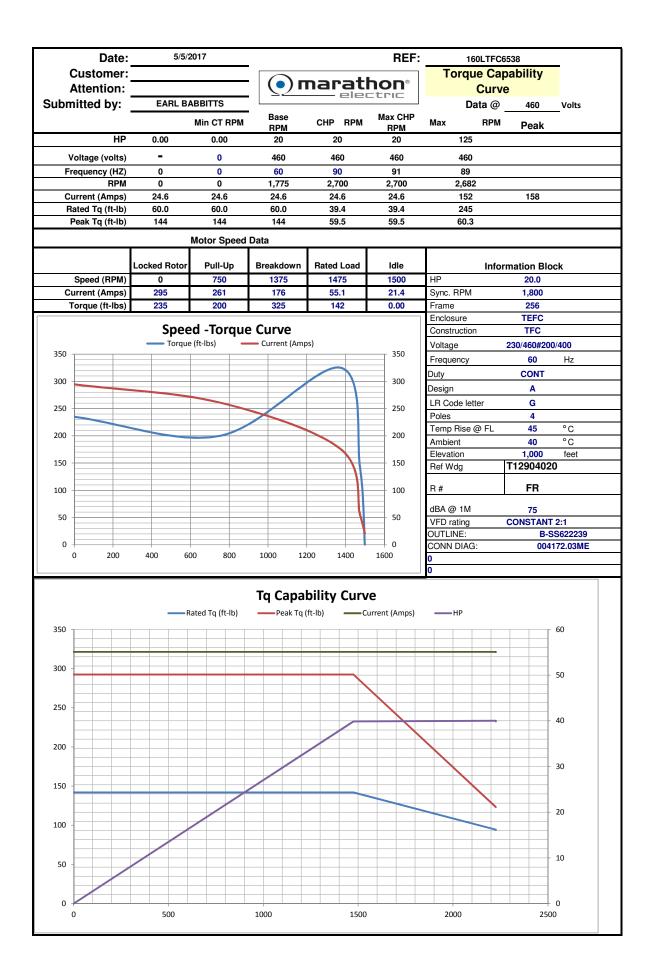
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					паг	atho	n°		-	WI 54401-8003		
				<u></u>		electi			PH. 715-6	75-3311		
										DATA VOLTS:	400	
										DATA VOLTS:	460	
	CERTIFICATION DATA SHEET											
сизтом	ED.						CUSTO	MER P.O. #:				
ORDER #						R		E MODEL #:	160LTFC6	538		-
CONN. DI		004172.03ME		_		-		CAT #:		R337A		-
OUTLINE	:	B-SS622239					CUSTON	IER PART #:				
WINDING		T12904020	FR	3				MOUNTING:	F3			_
SPEED:												
	1	r	ТҮ	PICAL	MOTOR	PERFOR	MANCE	DATA				r
HP	ĸw	SYNC RPM	FL R	PM	F	RAME	ENCLOSURE		ТҮРЕ	KVA CODE		DESIGN
20	14.9	1800	17	75		160L	Т	EFC	TFC	G		N
PH	HZ	VOLTS	AM	PS	STA	RT TYPE	D	UTY	INSL	S.F.	AMB	ELEV.
3	60/50	230/460#200/400	49/24.68	43/21.5	PWS & Y	drun or inv	CONT		F	1.15	40	3300
					r				1			
	F.L. EFF	93.0	3/4 LD EFF	93.4		1/2 LD EFF	92.8	GTD EFF		ELECT. T		
	F.L. PF	83.0	3/4 LD PF	80.1		1/2 LD PF	71.6	91.7		SQ CAGE IN	/ RATED	
E.L. T	ORQUE	LR AMPS @	460 V		L.R. TORO	UF		B.D. TORQU	F	F.L. RISE	(°C)	
60.0	LB-FT	160	109		LB-FT 182%		156 LB-FT		260%	45	( 0)	
												Į
@	3 FT.	POWER	ROTO		MAX. LOAD WK <sup>2</sup>		SAFE STALL TIME		STARTS/HOUR		мото	R WGT
75	dBA	84 <b>dBA</b>	2.97	LB-FT <sup>2</sup>	0 LB-FT <sup>2</sup>		20 SEC.		2		342	LB.
				*** 0110		ITAL INFOR		***				
		ODE BRACKET	MOUNT		TOR	SEVERE		RDOUS	DRIP			
DE BRAC	КЕТ ТҮРЕ	TYPE	TYPE		TATION DUTY		LOCATION		COVER	SCREENS	IS PAINT	
STAN	NDARD	STANDARD	RIGID	HORIZ	ONTAL	UM SEVERE	NONE		NO	NONE	BLUE (ENAMEL	
			1									
	RINGS	GREASE	SHAFT	TYPE	SPE	CIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	IATERIAL
DE BALL	ODE BALL											
6309	6209	POLYREX EM	STANDA	RD IEC	Ч	NONE	N	ONE	1045 HOT F	ROLLED (C-204	CAST	IRON
					1							
THERM	IOSTATS	PROTECTORS	WDG I	RTD'e	BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS	
	ONE	NOT	NONE		NONE		NONE		FALSE		NA	
	-								4			
R1 (ol	hms/ph)	R2 (ohms/ph)	X1 (ohr		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
0 0		0	0 0			0 0.080		0.080	ODE			
*												
N								INVERTER	TORQUE:	CONSTANT 2:1		
0				INV. HP SPEED RANGE: 1.5 X BASE SPEED								
т	Т											
Е								ENCODER:	NONE			
S				NONE								
				NONE NONE PPR					PPR			
005						BRAKE: NONE						
PREF	PREPARED BY: EARL BABBITTS DATE: 5/5/2017					NONE NONE FT-LB: NA						
						VOLTAGE: NONE HZ:						
FORM: 35	ORM: 3531 REV_4 2/27/06					UL: V-INS, CONST UL REC						

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# **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: 160LTFC6538

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

Catalog No : R337A

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