

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 090LT17FH6519

Catalog No: R398A

Globetrotter® IEC Aluminium Motor, 2 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM,
90L 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

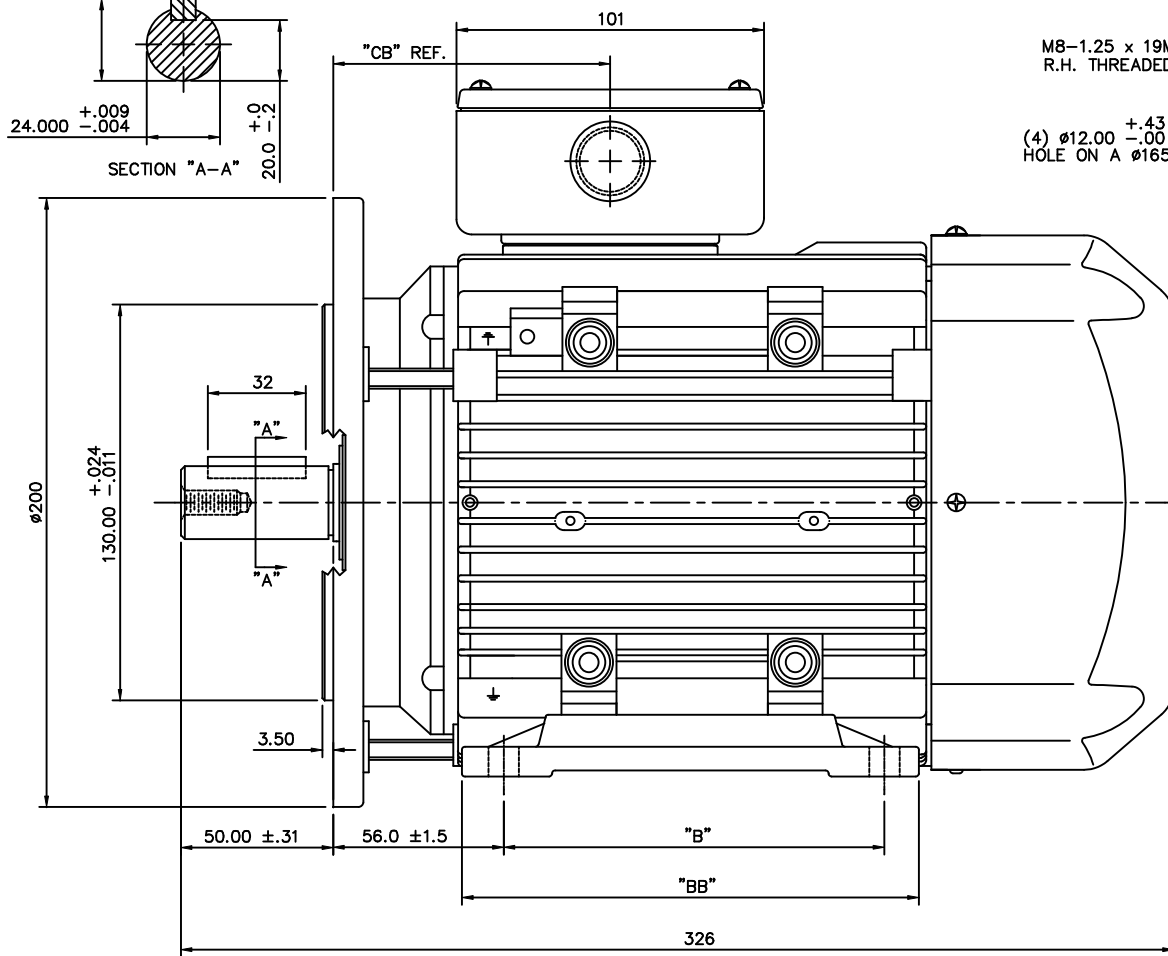
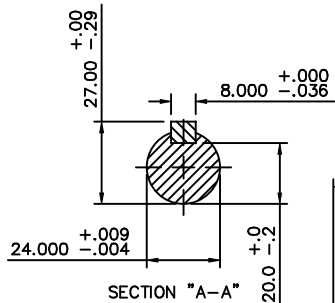
RegalRexnord

Nameplate Specifications

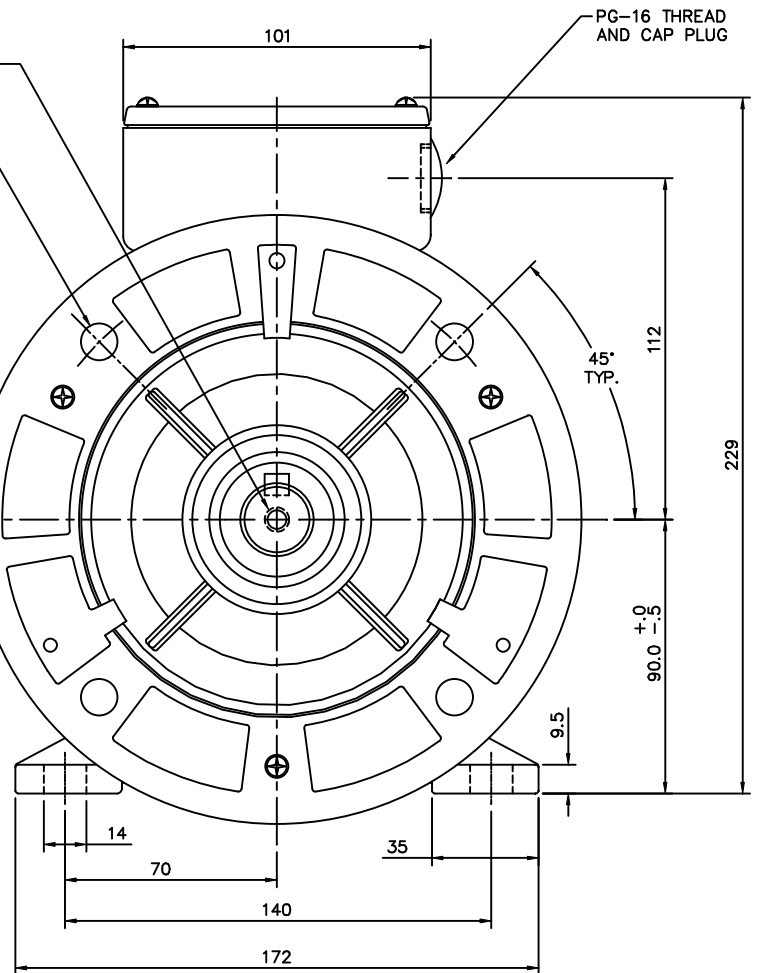
Phase	3	Output HP	2 & 2 Hp
Output KW	1.5 & 1.5 kW	Voltage	230/460 & 200/400 V
Speed	1745 & 1435 rpm	Service Factor	1.15 & 1.15
Frame	90L	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	87.5 & 85.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	5.4/2.7 & 6.4/3.2 A	Power Factor	78.4
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6205
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	IEC	Overall Length	12.83 in
Frame Length	7.08 in	Shaft Diameter	1.000 in
Shaft Extension	1.96 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 20:1		
Outline Drawing	16987000ME	Connection Drawing	005465.01ME

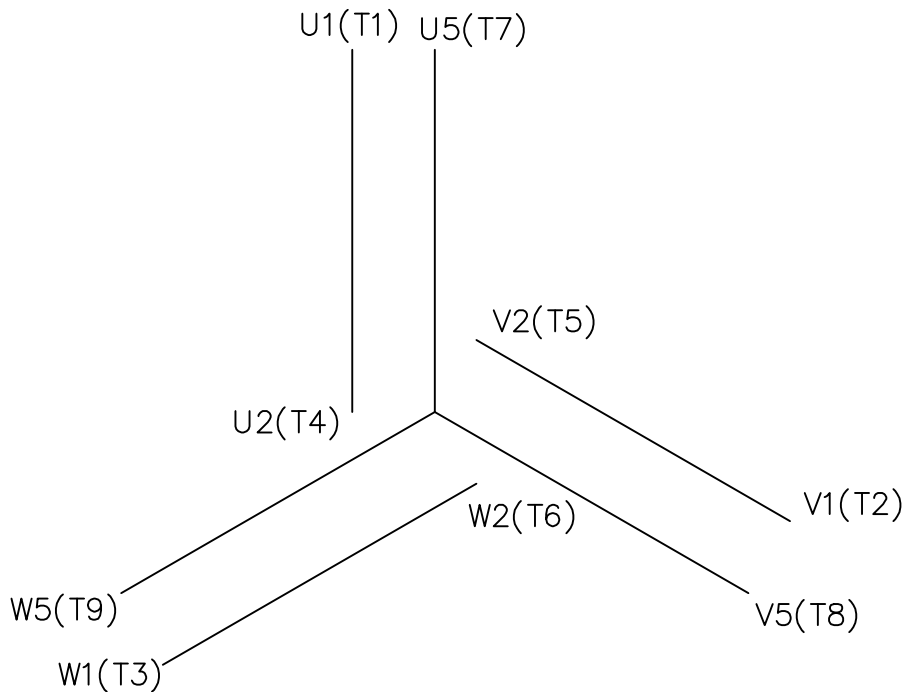


M8-1.25 x 19MM DEEP R.H. THREADED SHAFT
 (4) $\phi 12.00^{+0.43}_{-0.00}$ THRU HOLE ON A $\phi 165.0$ B.C.



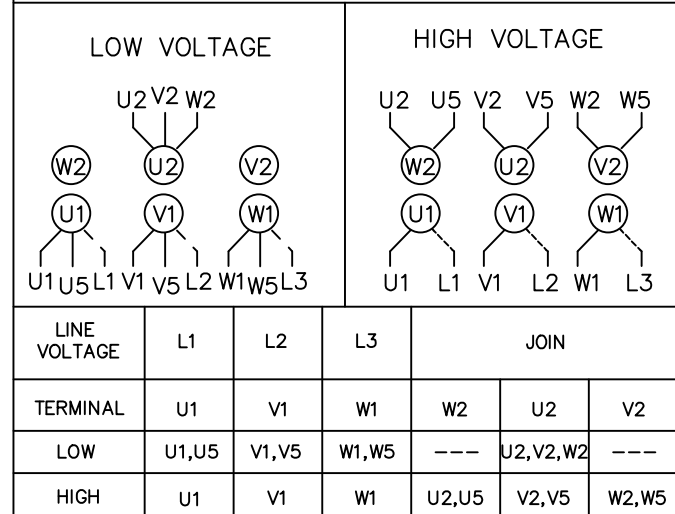
FRAME DESIGN	"B"	"BB"	"CB"
90L	125±0.7	150	91
90S	100±0.7	125	79
XXX	XXX	XXX	XXX

		TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN JGO 01/28/05	
		DEC.	METRIC			CHK	
		.X	±2.5			APPD	
		.XX	±.76	TITLE		SCALE 1=1.6	
		.XXX	±.127	IEC-90 FRAME RIGID W/B5 FLANGE		REF OSVC-300-567	
		.XXXX	±.0127	MAT'L ALUMINUM		FMF MARATHON STOCK	
NO.	REVISION	BY & DATE	CHK	ANG	FINISH	PREV	
			RFP		CAD FILE 16987000ME	SIZE B	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT						DRAWING NO.	REV.
						169870-00ME	

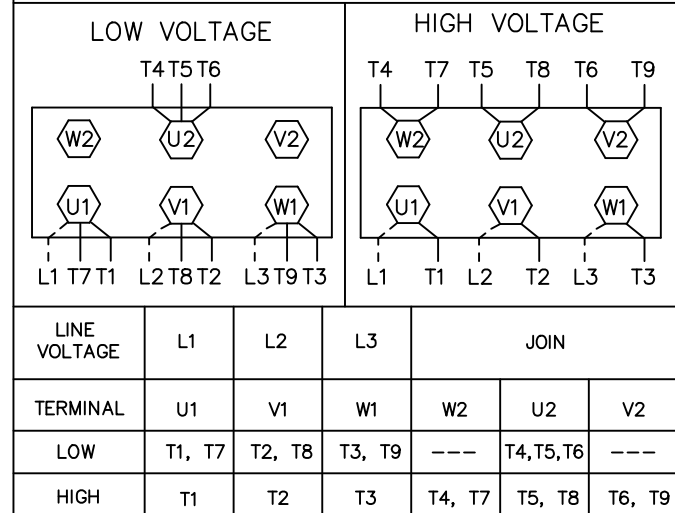


REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

IEC MARKINGS



NEMA MARKINGS



				TOLERANCES UNLESS SPECIFIED			DRAWN JGO 3/10/04			
				DEC.	INCHES		CHK SB 02-17-2010			
				.X	±.1		APPD MJS 02-17-2010			
				.XX	±.01		SCALE 1=1			
				.XXX	±.005		REF			
				.XXXX	±.0005	MAT'L. IEC/NEMA MARKINGS				
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	FMF	PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP	02-17-2010	CAD FILE	00546501ME	SIZE	DRAWING NO.	REV.
				DIST				A	005465ME-01	



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460 Volts
60 HZ
2 HP

HP 2&2

PHASE 3

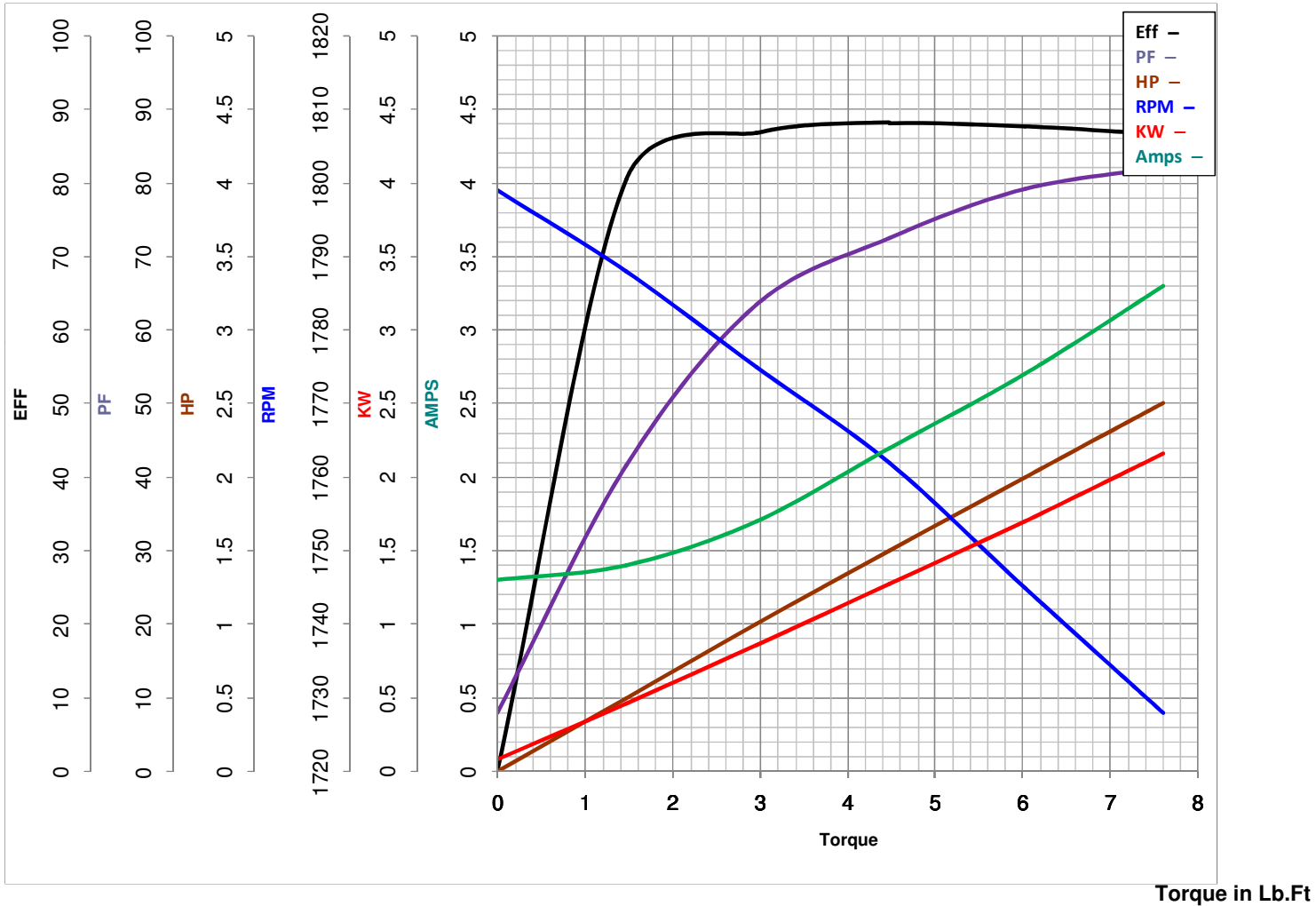
Model No 90LT17FH6519

VOLTS 230/460&200/400

Catalog No R398A

HZ 60&50

RPM 1745&1435



FL TORQUE	<u>6.018</u> Lb.Ft	FL AMPS	<u>5.4/2.7</u>
BD TORQUE	<u>18.1</u> Lb.Ft	PU TORQUE	<u>11.3</u> Lb.Ft
LR TORQUE	<u>14.39</u> Lb.Ft	LR AMPS	<u>18.7</u>
WINDING	QT9047-	Date	

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 : 090LT17FH6519

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

Catalog No : R398A

Rework No : N/A

Directives :

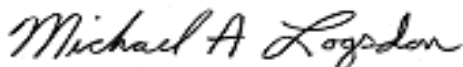
Low Voltage Directive 2014/35/EU

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