

PRODUCT INFORMATION PACKET

Model No: 071T17FH5408

Catalog No: R367

Globetrotter® IEC Aluminium Motor, 0.50 & 0.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V,
1800 & 1500 RPM, 71 Frame, TEFC



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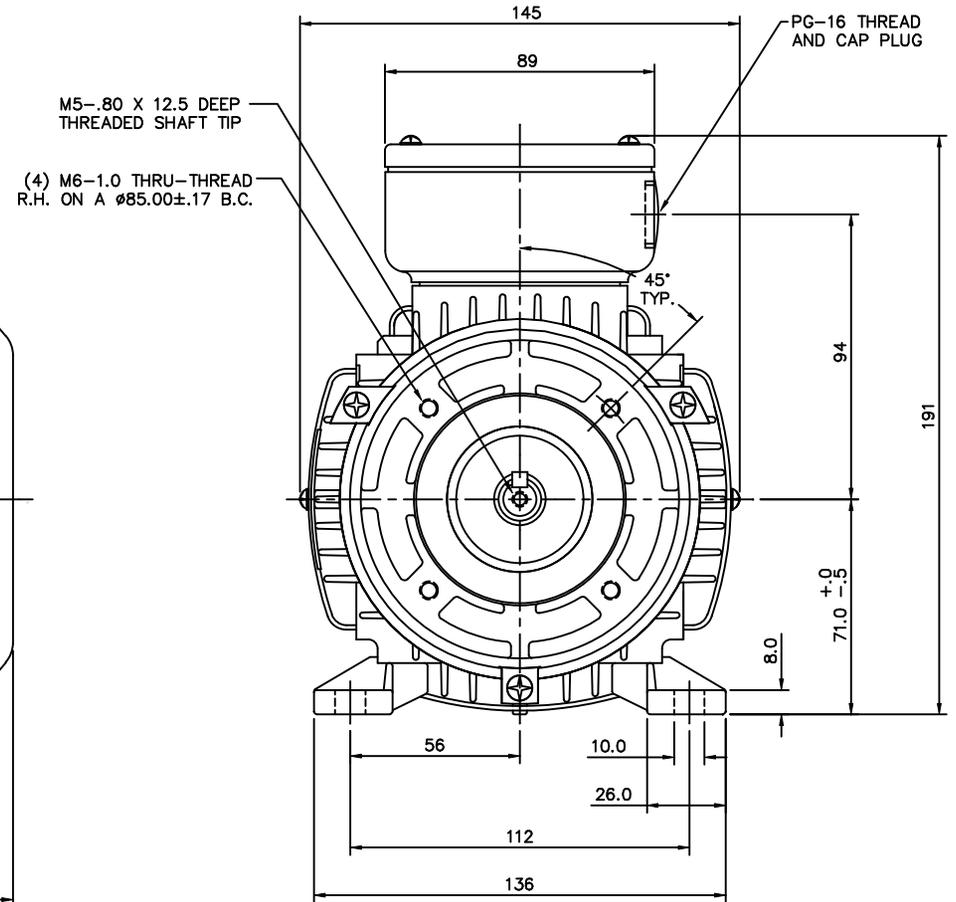
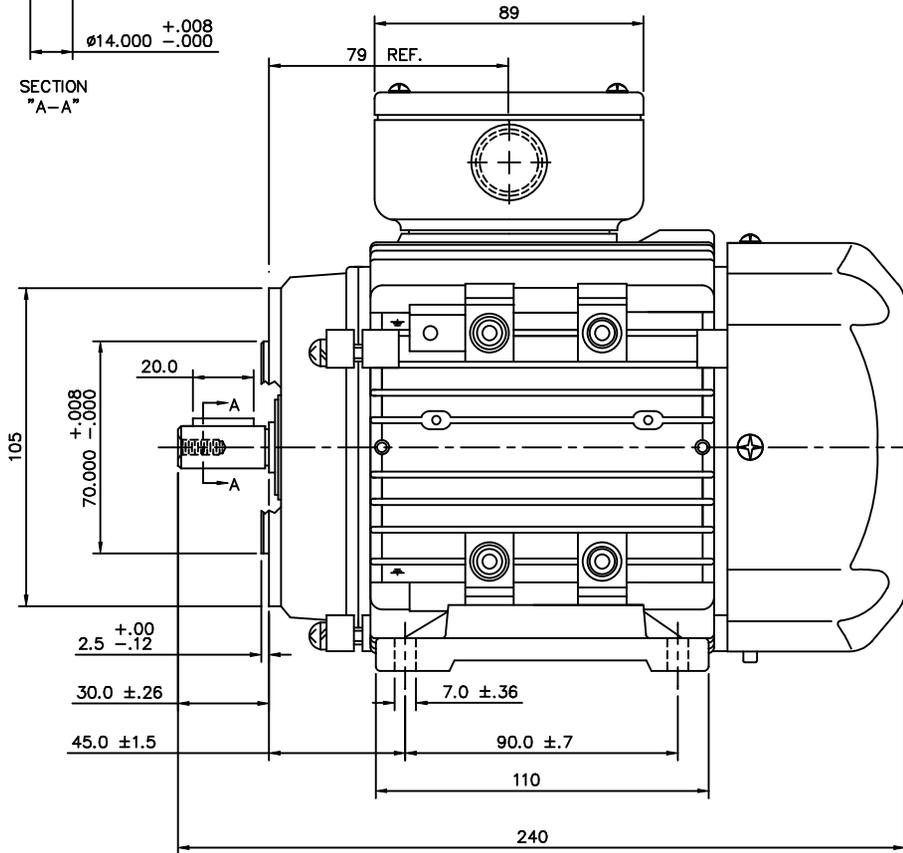
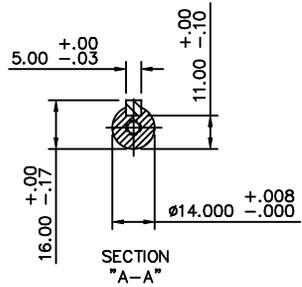
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Nameplate Specifications

Phase	3	Output HP	0.50 & 0.50 Hp
Output KW	0.37 & 0.37 kW	Voltage	230/460 & 200/400 V
Speed	1695 & 1380 rpm	Service Factor	1.15 & 1.15
Frame	71	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	74 & 68 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	1.8/0.9 & 1.8/0.9 A	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

Technical Specifications

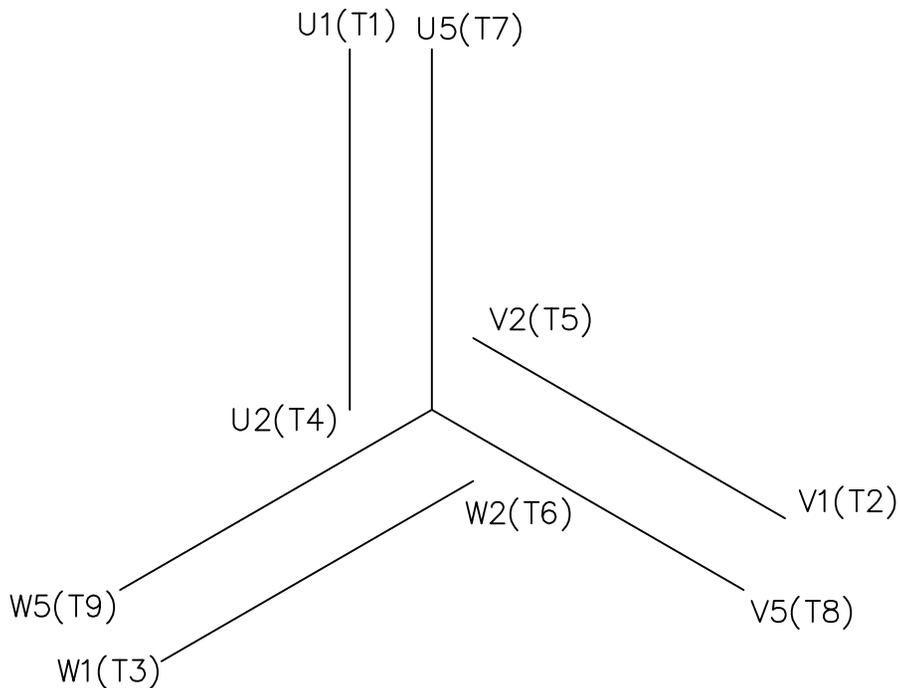
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	11.84 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	IEC	Overall Length	9.44 in
Frame Length	4.68 in	Shaft Diameter	0.555 in
Shaft Extension	1.18 in	Assembly/Box Mounting	F3
Inverter Load	CONSTANT 20:1		
Outline Drawing	16986400ME	Connection Drawing	005465.01ME



		TOLERANCES UNLESS SPECIFIED			DRAWN	
NO.	REVISION	DEC.	METRIC		CHK	
		.X	±2.5		APPD	
		.XX	±.76	TITLE	SCALE 1=1.6	
		.XXX	±.127	METRIC MOTOR OUTLINE, IMB34		
		.XXXX	±.0127	IEC-71 FRAME RIGID MOUNT W/B14 FLANGE		
				MATL	REF 169864-00	
				FINISH	FMF LEESON STOCK	
		CHK	ANG ±7'30"	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	CAD FILE	16986400ME	SIZE	DRAWING NO.
		DIST			B	169864-00ME
						REV.

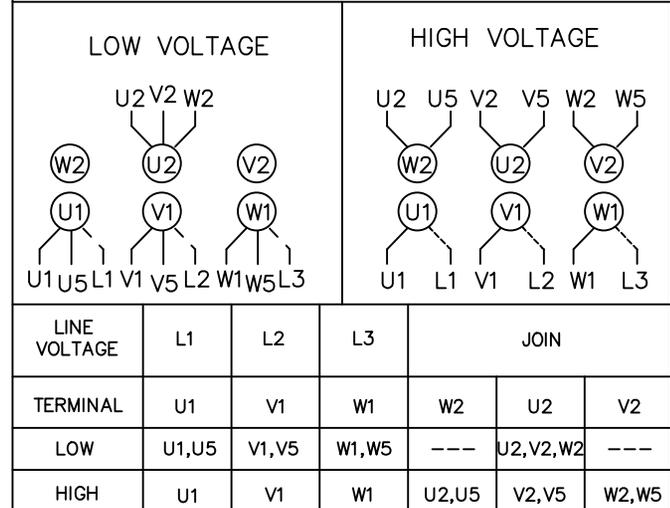
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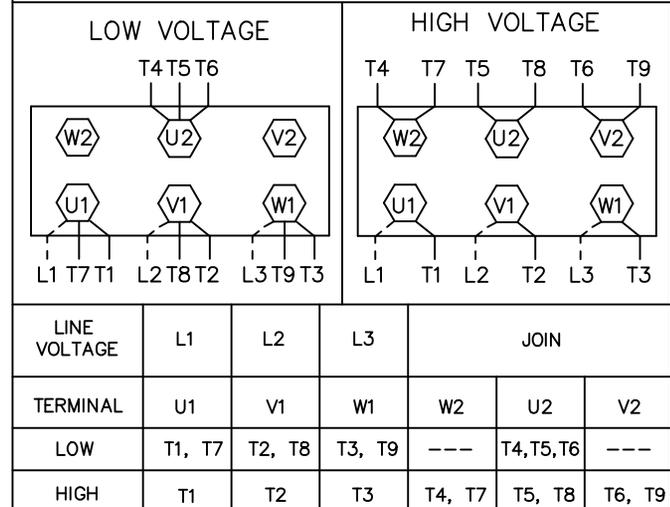


REF. DECAL (IEC) 080644
REF. DECAL (NEMA) 080446

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	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	FINISH	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 A	DRAWING NO. 005465ME-01	REV.
				DIST					

CERTIFICATION DATA SHEET

Model#: 71T17FH5408 A
CONN. DIAGRAM: 005465.01ME
OUTLINE: 16986400ME

WINDING#: QT7142 FR 3
ASSEMBLY: F3

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2&1/2	.37&.37	1800	1695&1380	71	TEFC	H	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#200/ 400	1.8/0.9&1.8/0. 9	LINE OR INVERTER	CONTINUOU S	F5	1.15/1.15	40	3300

FULL LOAD EFF: 74	3/4 LOAD EFF: 73.2	1/2 LOAD EFF: 69.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 70	3/4 LOAD PF: 59.5	1/2 LOAD PF: 45	0	SQ CAGE INV RATED	1.3 / .7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24 LB-FT	9 / 4.5	62.4 LB-FT 260	61.2 LB-FT 255	40

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.024 LB-FT^2	0 LB-FT^2	0 SEC.	0	0 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
B14	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	STANDARD IEC	NONE	NONE	AISI 1045 (C-240)	ALUMINUM
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: CONSTANT 20:1
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/28/2017 03:43:01 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.



MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460
60
0.5

Volts
HZ
HP

HP 0.5&0.5

PHASE 3

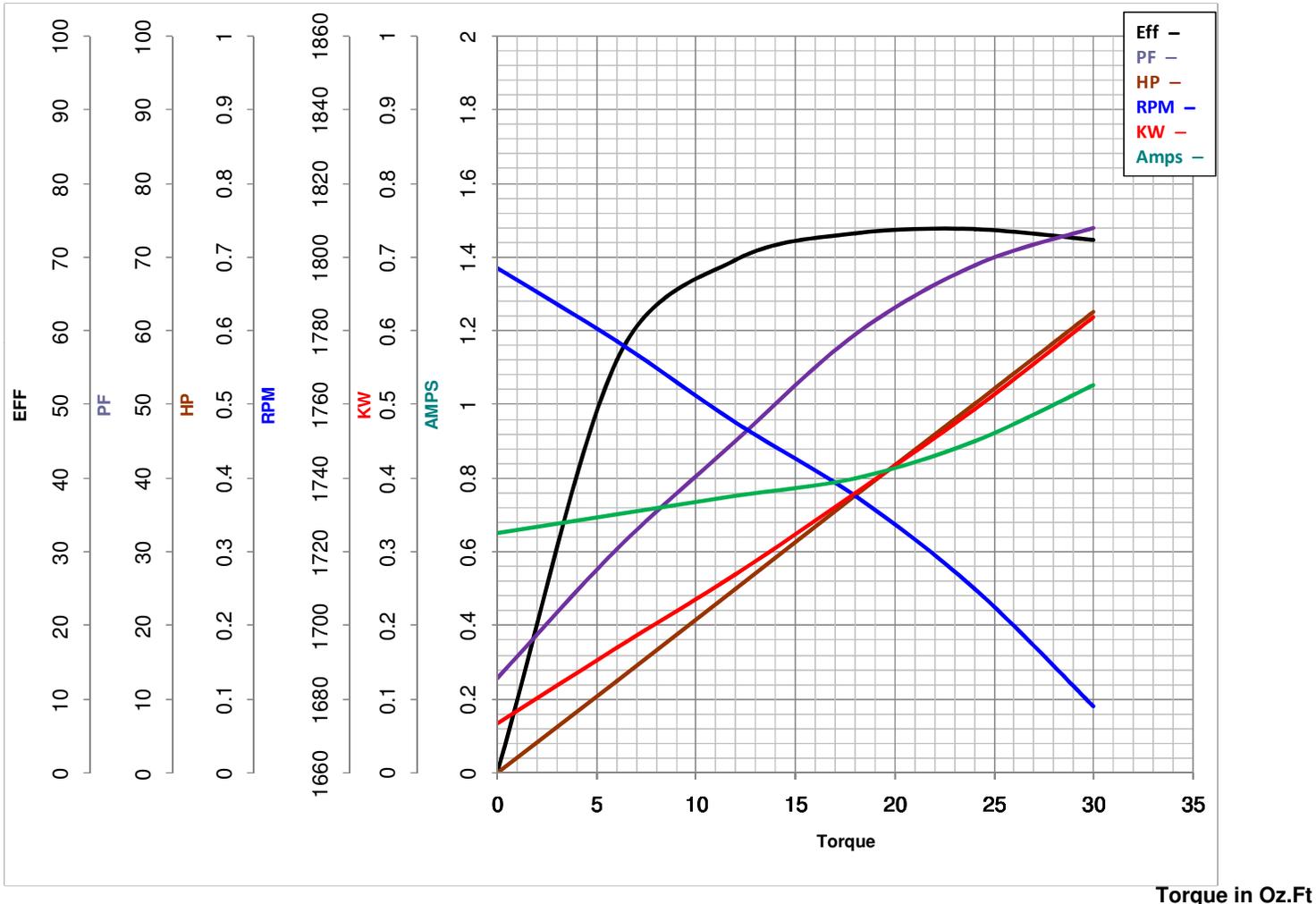
Model No 71T17FH5408

VOLTS 230/460&200/400

Catalog No R367

HZ 60&50

RPM 1695&1380



FL TORQUE	<u>24</u>	Oz.Ft	FL AMPS	<u>1.8/0.9</u>	
BD TORQUE	<u>61.2</u>	Oz.Ft	PU TORQUE	<u>56.4</u>	Oz.Ft
LR TORQUE	<u>62.4</u>	Oz.Ft	LR AMPS	<u>4.48</u>	
WINDING	QT7142-		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 : 071T17FH5408

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

Catalog No : R367

Rework No : N/A

Directives :

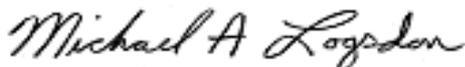
Low Voltage Directive 2014/35/EU

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