

# PRODUCT INFORMATION PACKET

marathon®  
Motors

Model No: 080T17FH15414

Catalog No: R373A

Globetrotter® IEC Aluminium Motor, 1 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 200/400 V, 1800 & 1500 RPM,  
80C Frame, TEFC



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RegalRexnord®

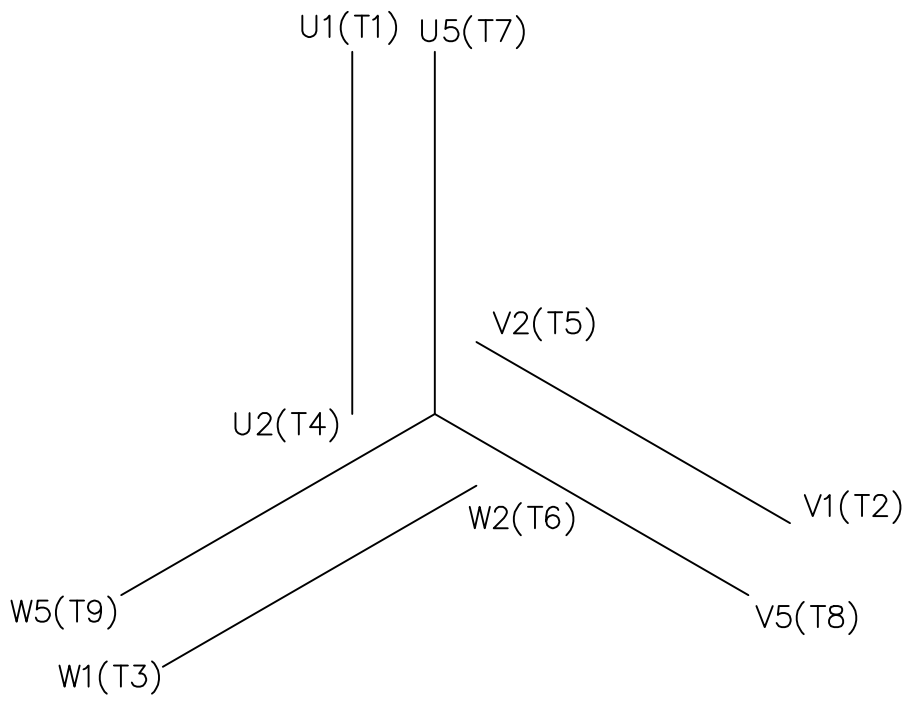
### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>1 &amp; 1 Hp</b>
Output KW	<b>0.75 &amp; 0.75 kW</b>	Voltage	<b>230/460 &amp; 200/400 V</b>
Speed	<b>1740 &amp; 1420 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>80C</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>85.5 &amp; 82.5 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>3.0/1.5 &amp; 3.4/1.7 A</b>	Power Factor	<b>72</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>NO DESIGN CODE</b>	KVA Code	<b>J</b>
Drive End Bearing Size	<b>6204</b>	Opp Drive End Bearing Size	<b>6204</b>
UL	<b>Recognized</b>	CSA	<b>N</b>
CE	<b>Y</b>	IP Code	<b>55</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

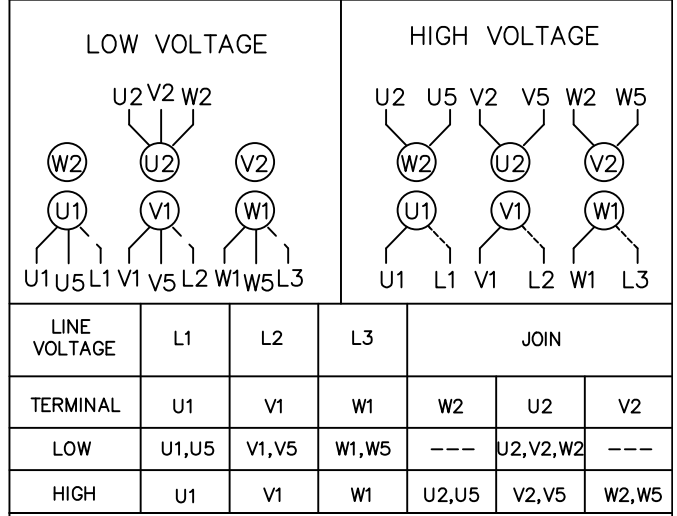
Electrical Type	<b>Squirrel Cage Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>0 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Aluminum</b>
Shaft Type	<b>IEC</b>	Overall Length	<b>11.88 in</b>
Frame Length	<b>6.10 in</b>	Shaft Diameter	<b>0.750 in</b>
Shaft Extension	<b>1.57 in</b>	Assembly/Box Mounting	<b>F3</b>
Connection Drawing	<b>00546501ME</b>	Outline Drawing	<b>039072-R327A</b>



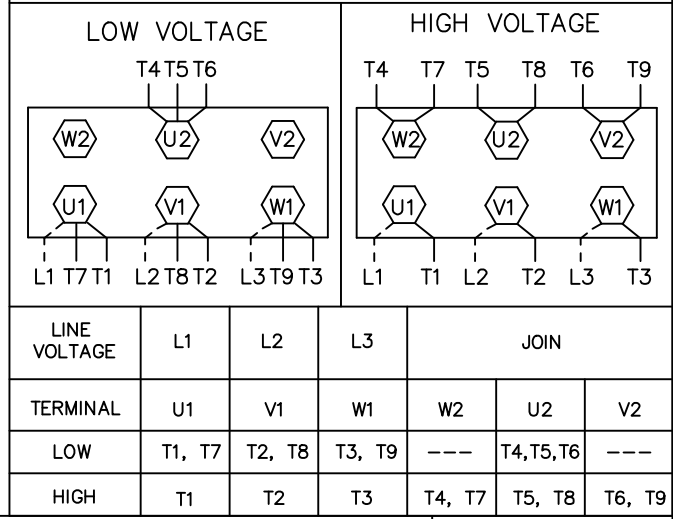


REF. DECAL (IEC) 080644  
REF. DECAL (NEMA) 080446

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.

**CERTIFICATION DATA SHEET**

Model#: 80T17FH15414 A WINDING#: QT8047 FR 3  
 CONN. DIAGRAM: 00546501ME ASSEMBLY: F3  
 OUTLINE: 039072

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1&1	.75&.75	1800	1740&1420	D80C	TEFC	J	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#200/400	3.0/1.5&3.4/1.7	ACROSS THE LINE	CONTINUOUS	F5	1.15/1.15	40	3300

FULL LOAD EFF: 85.5&82.5	3/4 LOAD EFF: 84.9	1/2 LOAD EFF: 85.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 72&73	3/4 LOAD PF: 68	1/2 LOAD PF: 55.6	0	SQ CAGE IND RUN	1.7 / .9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
3 LB-FT	19.8 / 9.9	8.5 LB-FT 283	10 LB-FT 333	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.63 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
6204	6204						

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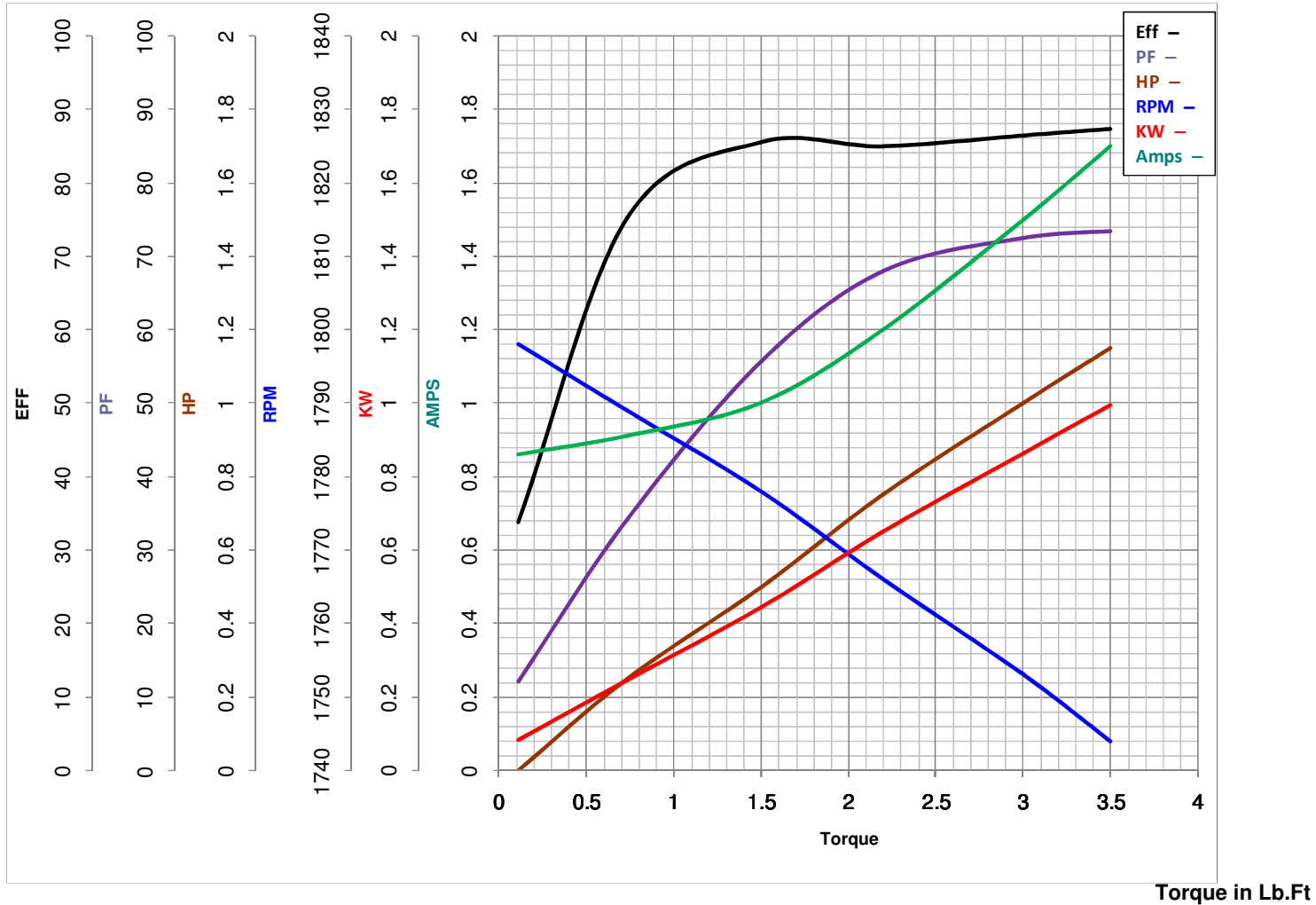
INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE
NONE NONE
NONE NONE PPR
BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/28/2017 03:53:56 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 Volts HP 1&1 PHASE 3  
60 HZ  
1 HP VOLTS 230/460&200/400  
 Model No 80T17FH15414  
 Catalog No R373A HZ 60&50 RPM 1740&1420



FL TORQUE	<u>3</u>	Lb.Ft	FL AMPS	<u>3.0/1.5</u>	
BD TORQUE	<u>10.0</u>	Lb.Ft	PU TORQUE	<u>7.7</u>	Lb.Ft
LR TORQUE	<u>8.5</u>	Lb.Ft	LR AMPS	<u>9.9</u>	
WINDING	QT8047-		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 : 080T17FH15414

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

Catalog No : R373A

Rework No : N/A

Directives :

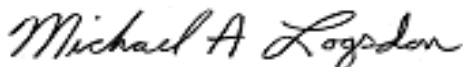
Low Voltage Directive 2014/35/EU

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**