

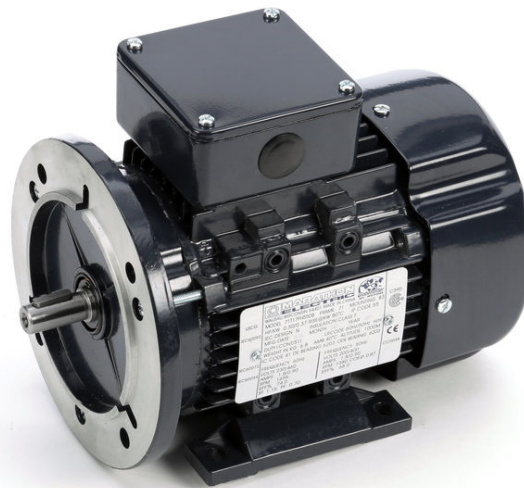
PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 071T17FH5508

Catalog No: R387

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



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RegalRexnord

Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	230/460 V
Current	1.8/0.90 A	Speed	1695 rpm
Service Factor	1.15	Phase	3
Efficiency	74 %	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	H
Frame	71	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
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	16986800ME	Connection Drawing	00546501ME


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

460

Volts

 HP 0.5&0.5

 PHASE 3

 Model No 71T17FH5508
60

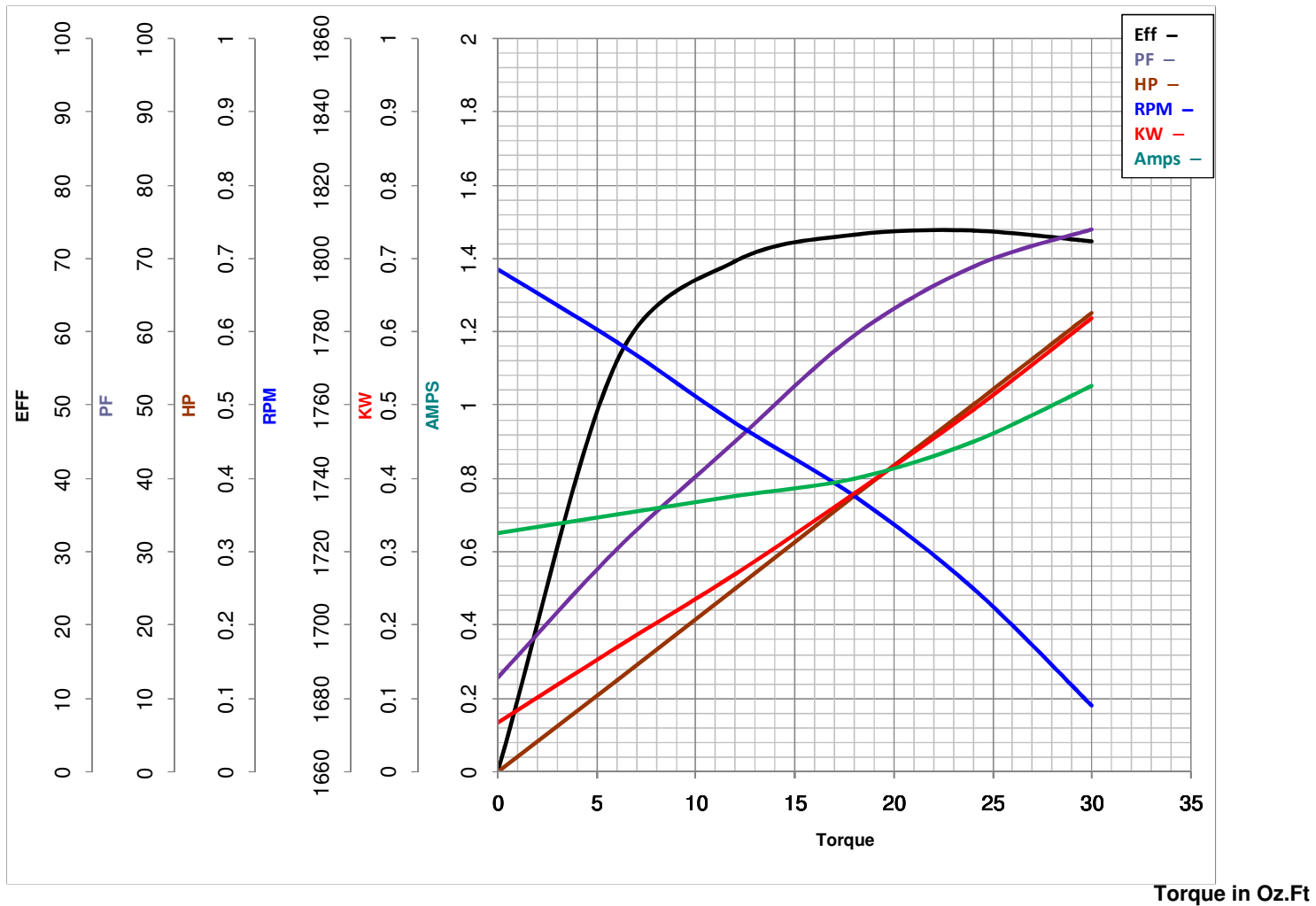
HZ

 VOLTS 230/460&200/400
0.5

HP

 HZ 60&50

 RPM 1695&1380

 Catalog No R387


FL TORQUE 24 Oz.Ft
 BD TORQUE 61.2 Oz.Ft
 LR TORQUE 62.4 Oz.Ft

FL AMPS 1.8/0.9
 PU TORQUE 56.4 Oz.Ft
 LR AMPS 4.48

WINDING QT7142-

Date 3/6/2019

CERTIFICATION DATA SHEET

Model#: 71T17FH5508 A
 CONN. DIAGRAM: 00546501ME
 OUTLINE: 16986800ME

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
B5	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						
6203	6203	POLYREX EM	STANDARD IEC	NONE	NONE	AINI 1045 (C-240)	ALUMINUM

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

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	

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 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.