

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 056C17F5913

Catalog No: F133

0.75 HP General Purpose Farm Duty Motor, 1 phase, 1800 RPM, 115/208-230 V, 56C Frame, TEFC
General Purpose Farm Duty Motors



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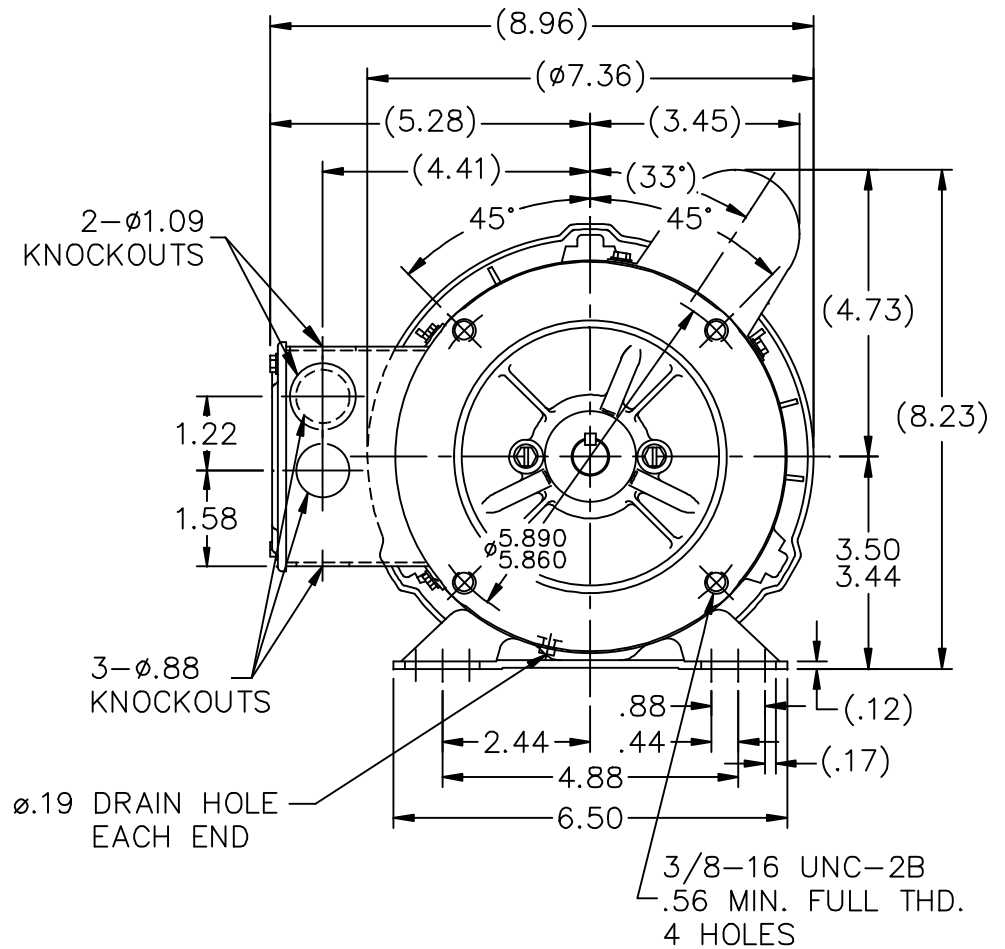
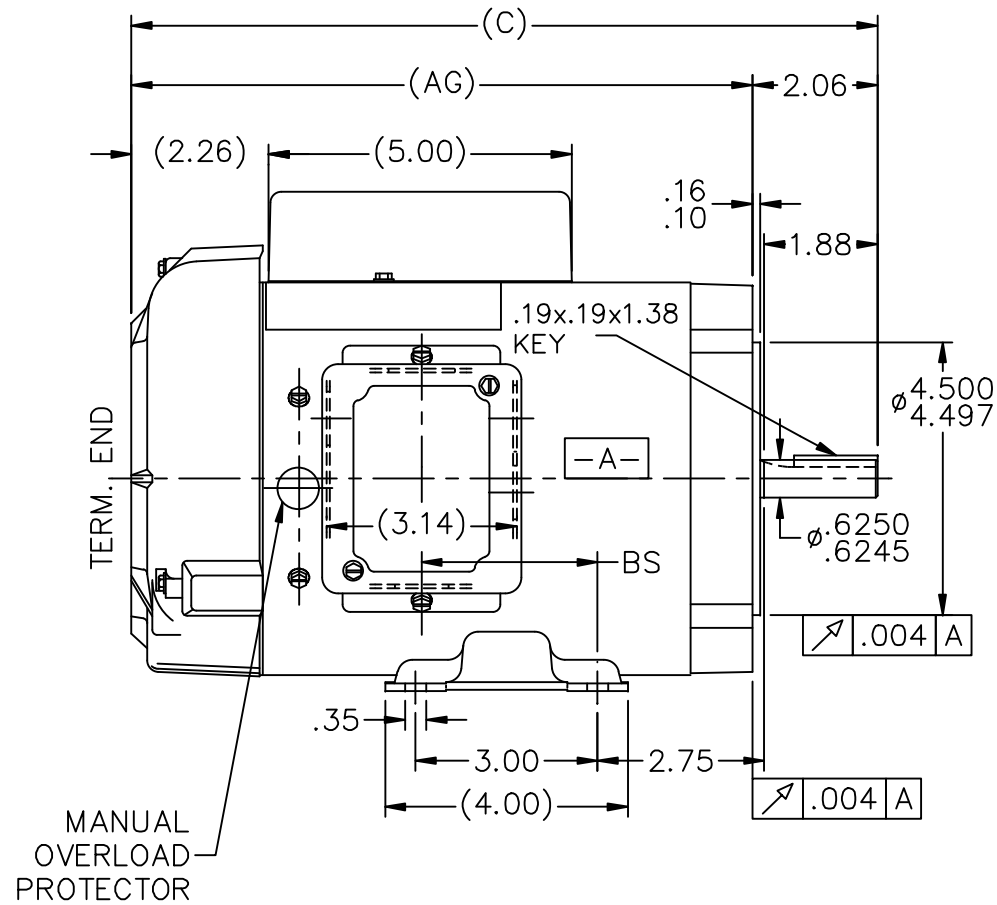
RegalRexnord

Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	11.0/5.4-5.5 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	70.5 %	Power Factor	71
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	L
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	12.32 in
Frame Length	7.06 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-104462-706	Connection Drawing	102005-52



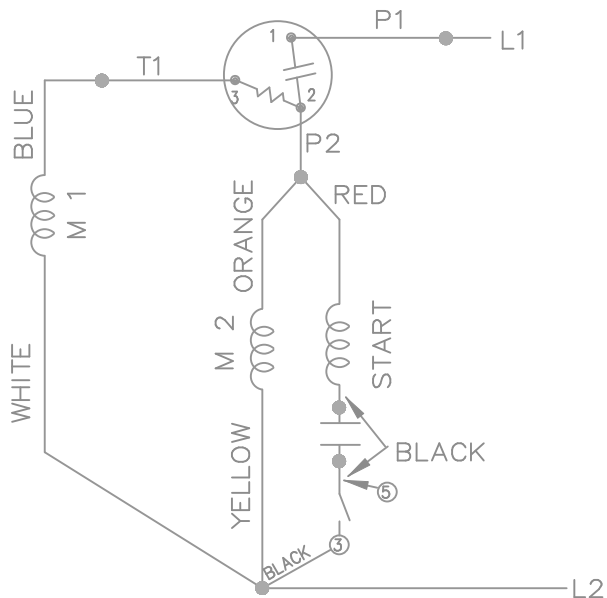
DASH	FRAME	C	AG	BS
656	56-65	11.82	9.75	2.40
706	56-70	12.32	10.25	2.90
756	56-75	12.82	10.75	3.40

NOTES:

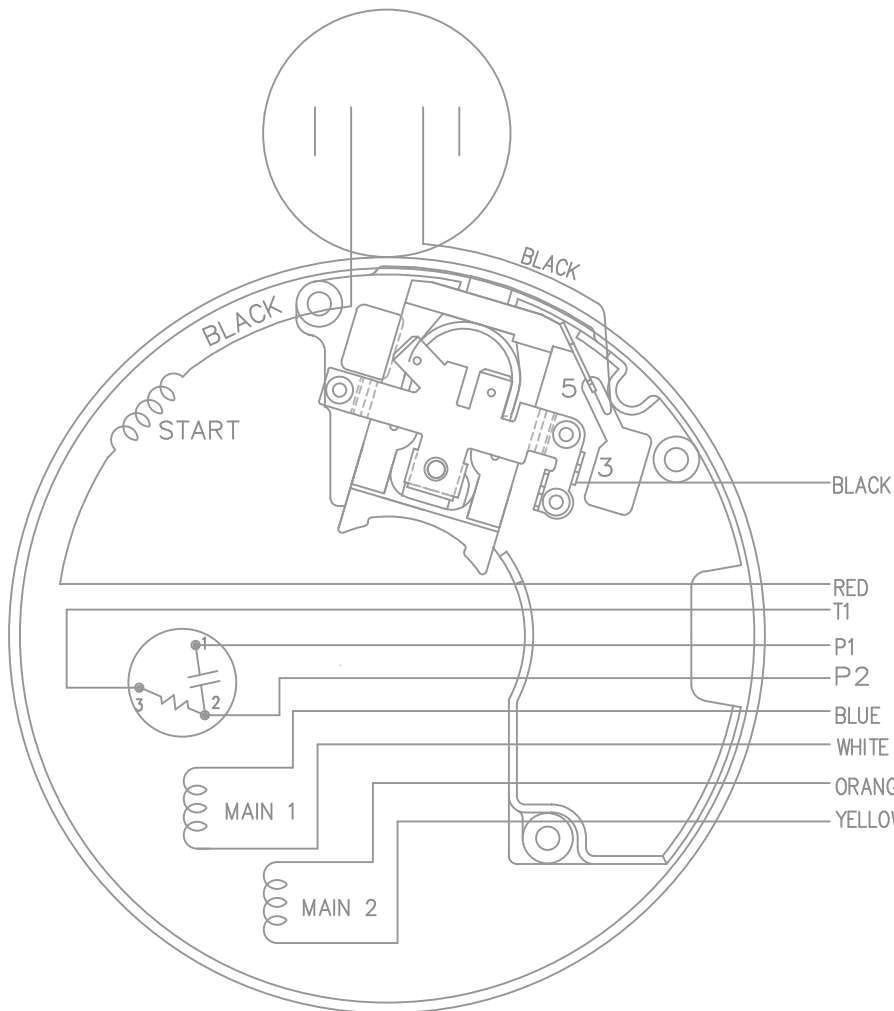
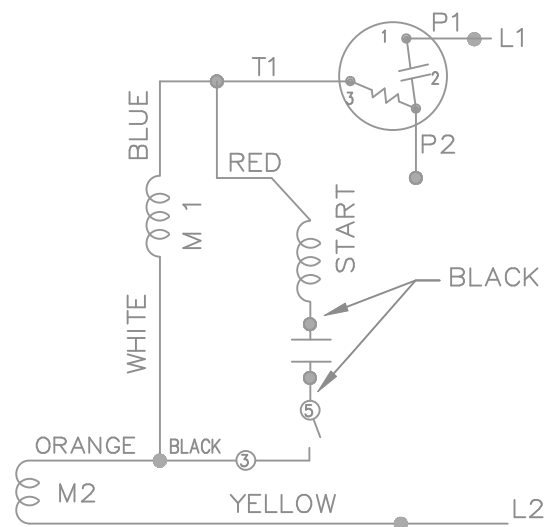
1. CONDUIT BOX CAN BE ROTATED 180°.
2. NAMEPLATE READ FROM CONDUIT BOX SIDE.

				TOLERANCES UNLESS SPECIFIED			DRAWN MRB 06-23-1998					
				DEC.	INCHES		CHK	ML	07-06-1998			
4	REMOVED "PLUGGED" FROM DRAIN HOLE	ISAAC 12-0555	WGJ 02-21-2012	DD	.X	±.1	APPD JMB 07-06-1998					
3	REVISED DRAWING		RJW 04-03-2007		.XX	±.03	SCALE 5=16					
2	REDRAWN IN AUTOCAD		TAT 06-13-2005	ML	.XXX	±.005	REF					
1	NEW DRAWING MU20295		MRB 07-06-1998		.XXXX	±.0005	FMF					
NO.	REVISION		BY & DATE	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 104462		SIZE	DRAWING NO.	PAGE	OF	REV.
				DIST WP				A	104462			

LOW VOLTAGE – CCW

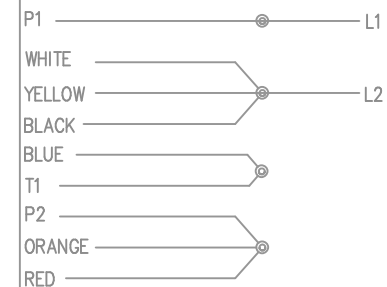


HIGH VOLTAGE – CCW

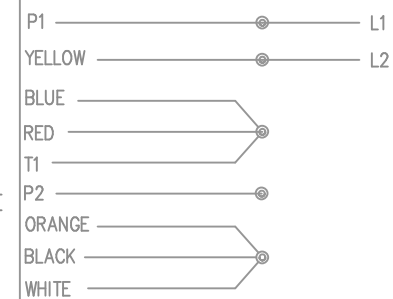


DUAL VOLTAGE
CAPACITOR START
OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROTATION
EITHER VOLTAGE
INTERCHANGE RED
WITH BLACK

				TOLERANCES UNLESS SPECIFIED			DRAWN BRH 02-29-1996				
				DEC.	INCHES		CHK ML 03-06-1996				
				.X	±.1		APPD GK 03-06-1996				
				.XX	±.02		SCALE 5=8				
				.XXX	±.005		REF				
6	REISSUE	BRH 03-13-1996		.XXX	±.005	TITLE CONNECTION DIAGRAM				FMF	
5	REDRAWN ON CADD	BRH 03-06-1996		.XXXX	±.0005	MAT'L.				PREV	
NO.	REVISION	BY & DATE	CHK	ANG	± 7'30"	FINISH					
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 102005-52			SIZE	DRAWING NO.	PAGE OF	REV.
			DIST WP					A	102005-52		6

CERTIFICATION DATA SHEET

Model#: 56C17F5913 E
 CONN. DIAGRAM: 102005-52
 OUTLINE: A-104462-706

WINDING#: ZC469 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4&1/2	.56&.37	1800	1725&1425	56C	TEFC	L	L

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60/50	115/208- 230#110/220	11/5.4- 5.5&11.4/5.7	ACROSS THE LINE	CONTINUOU S	B3	1.15/1.0	40	3300

FULL LOAD EFF:	3/4 LOAD EFF: 69.4	1/2 LOAD EFF: 63.2	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
70.5&59.5					
FULL LOAD PF: 71&49	3/4 LOAD PF: 56.9	1/2 LOAD PF: 46.1	0	CAP START IND RUN	7.5 / 3.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36 LB-FT	61 / 30.5	133 LB-FT 0	97.9 LB-FT 0	60

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 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
C-FACE	BRAKE	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6203	6203	POLYREX EM	STANDARD 56	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	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:	PROVISIONS FOR KIT	NONE
NONE	P/N NONE	
NONE	NONE	
NONE FT-LB	NONE V	NONE Hz

DATE: 06/27/2017 07:10:20 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

230

Volts

 HP 0.75&0.5

 PHASE 1

 Model No 56C17F5913
60

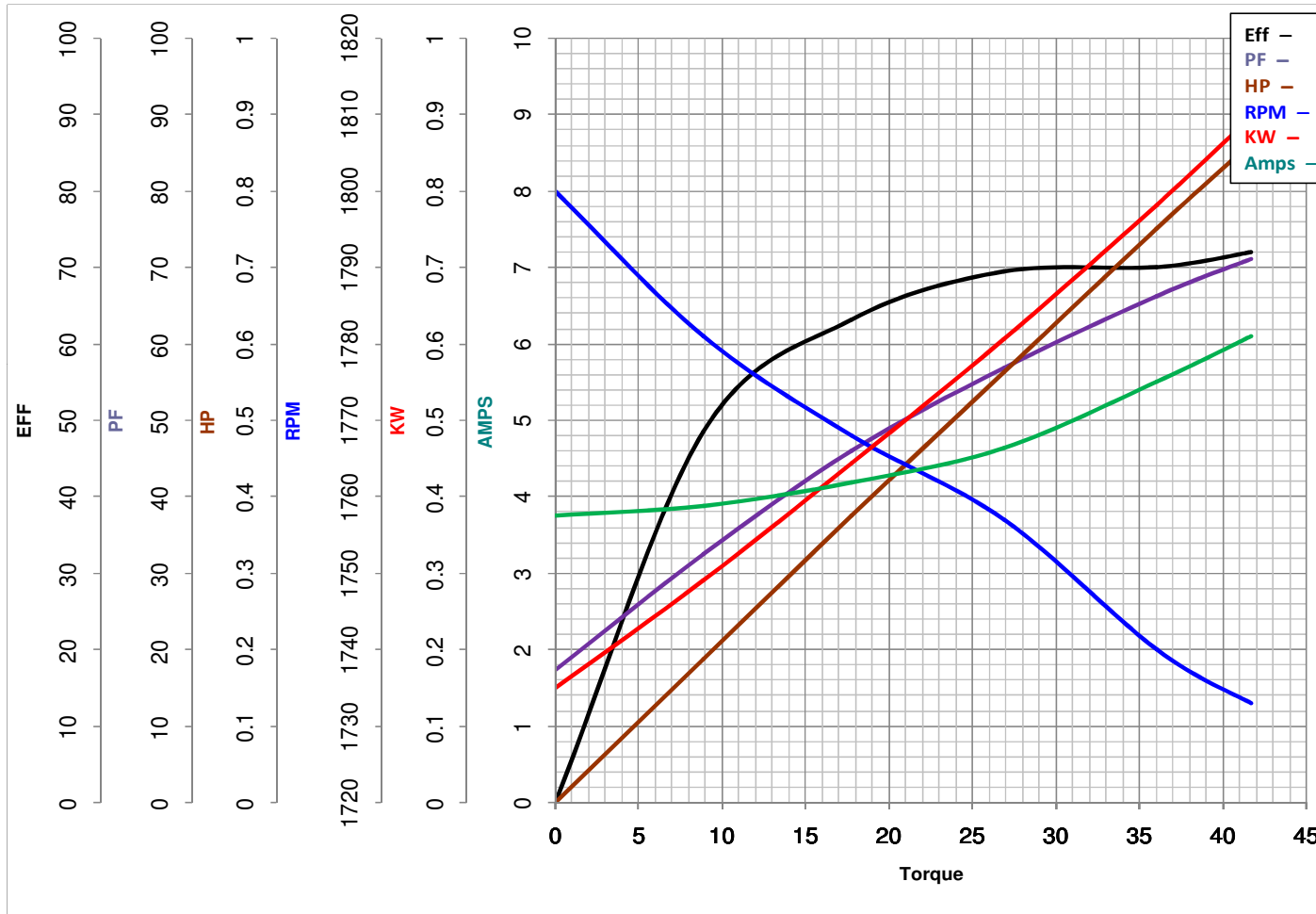
HZ

 VOLTS 115/208-230&110/220
0.75

HP

 HZ 60&50

 RPM 1725&1425

 Catalog No F133


Torque in Oz.Ft

 FL TORQUE 36 Oz.Ft

 BD TORQUE 93.0 Oz.Ft

 LR TORQUE 120 Oz.Ft

WINDING ZC469-3

 FL AMPS 11/5.4-5.5

 PU TORQUE 94.7 Oz.Ft

 LR AMPS 31

Date 1/10/2019