

PRODUCT INFORMATION PACKET

Model No: 056C17F2052

Catalog No: G314

General Purpose Motor, 0.25 HP, 1 Ph, 60 Hz, 115/208-230 V, 1800 RPM, 56 Frame, TEFC



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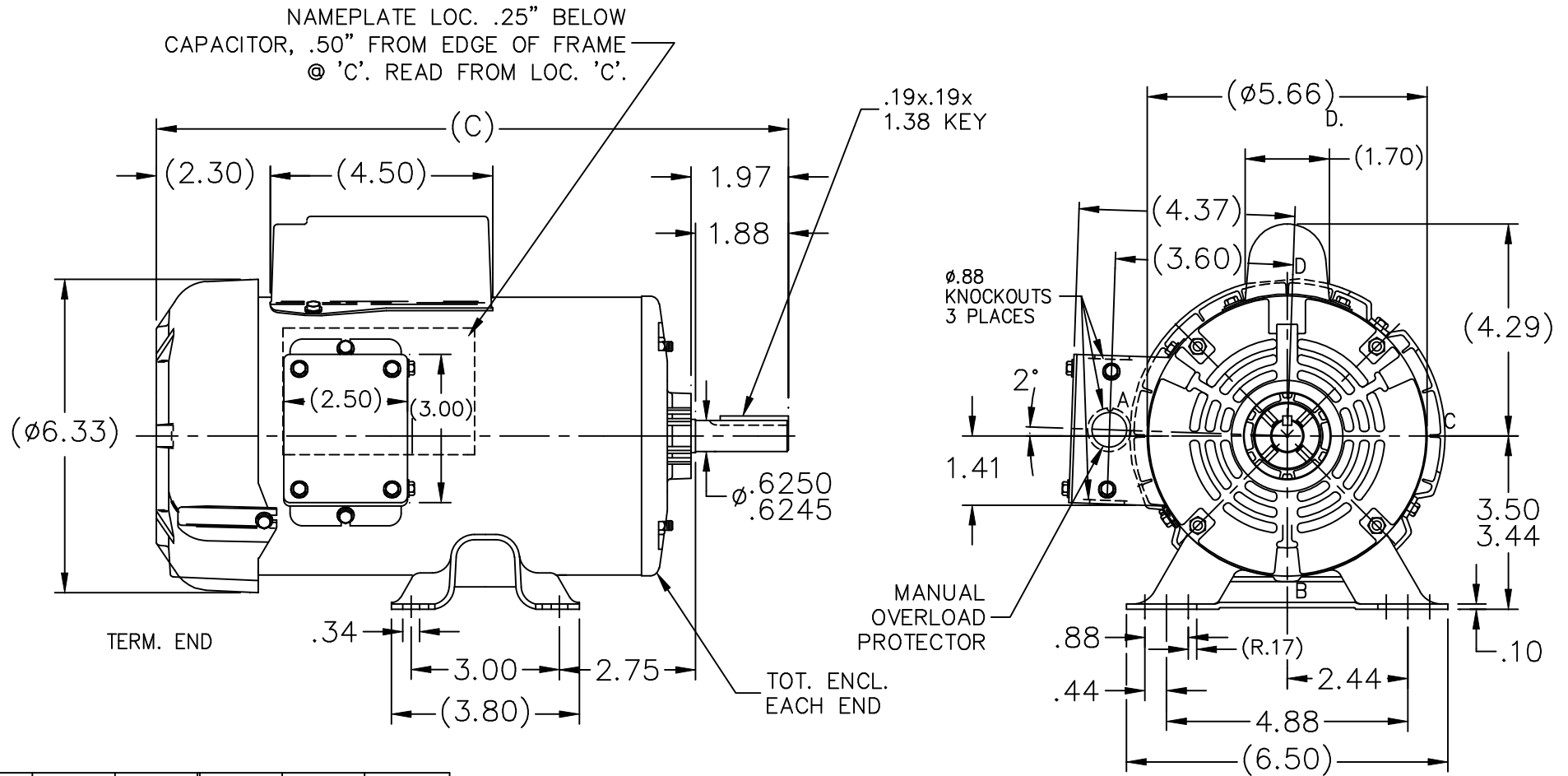
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Nameplate Specifications

Output HP	0.25 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	4.2/2.1-2.1 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	64 %	Power Factor	61.3
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	M
Frame	56	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	N	IP Code	43
Number of Speeds	1		

Technical Specifications

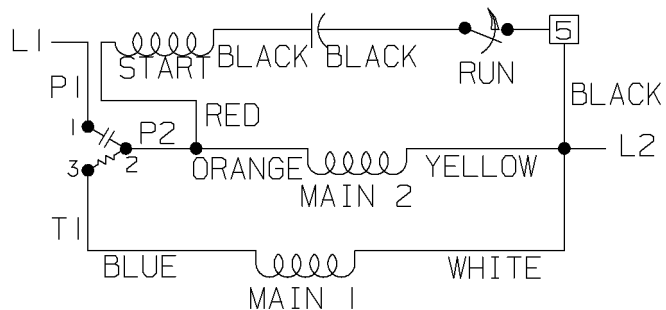
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	10.22 in
Frame Length	5.25 in	Shaft Diameter	0.625 in
Shaft Extension	1.97 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-EE9023E	Outline Drawing	A-SS75193-525



DASH	C		DASH	C	
525	10.22		625	11.22	
550	10.47				
575	10.72				

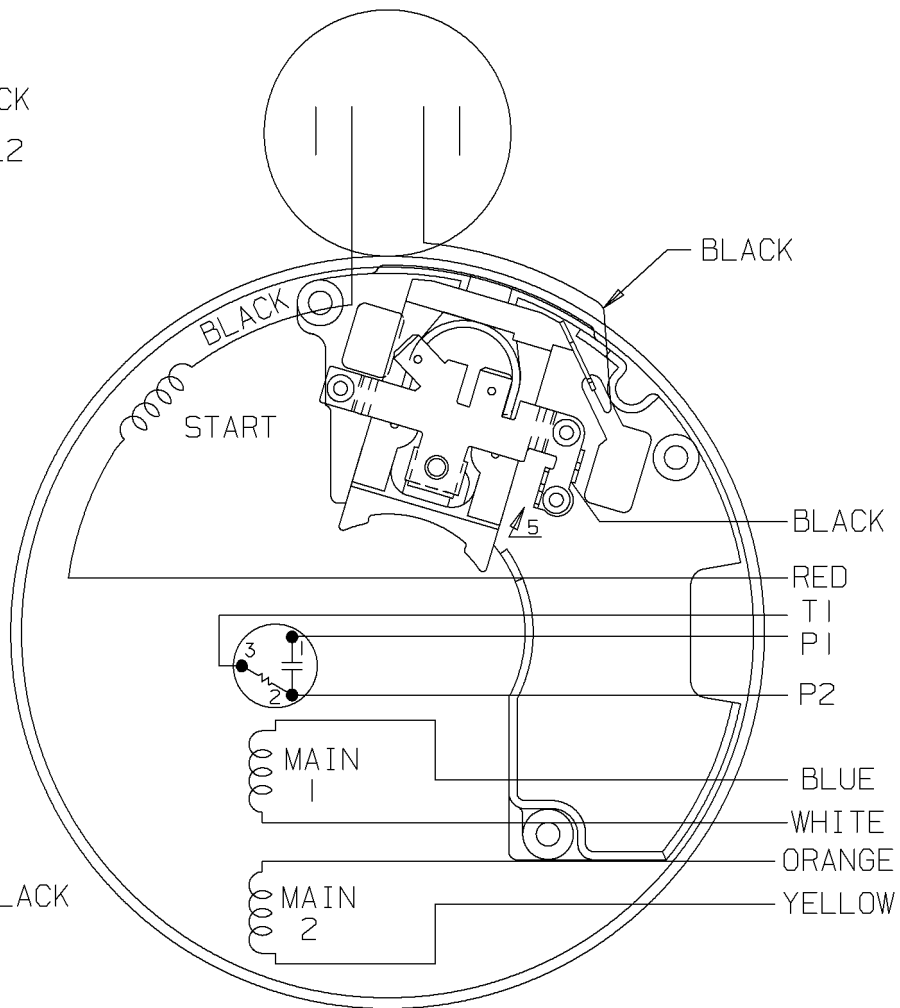
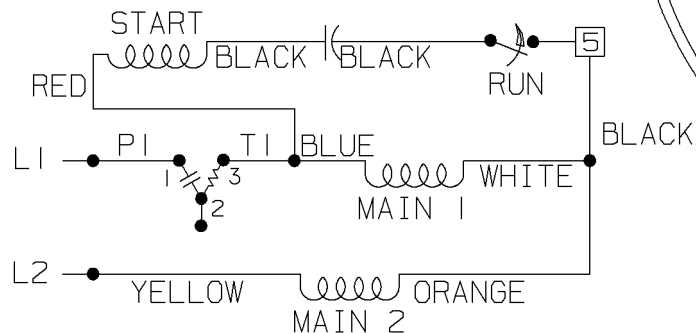
				TOLERANCES UNLESS SPECIFIED		 MARATHON ELECTRIC	DRAWN RM 10-30-1991					
				DEC.	INCHES		CHK ML 10-31-1991					
4	UPDATED DRAWING	TJW 04/16/2007		.X	±.1	TITLE OUTLINE	APPD SAT 11-01-1991					
3	NEW CONDUIT BOX CN39440-3	RJW 01-18-2006	ML	.XX	±.03		SCALE 5=16					
2	ADDED NEW REAR BRACKET. CN19546	RJM 03-10-1995		.XXX	±.005		REF					
1	NEW DRAWING 3851078	RM 10-30-1991		.XXXX	±.0005	MAT'L.	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		CAD FILE SS75193			SIZE	DRAWING NO.	PAGE	OF	REV.
			DIST WP					A	SS75193	4		

LOW VOLTAGE C.C.W.



START

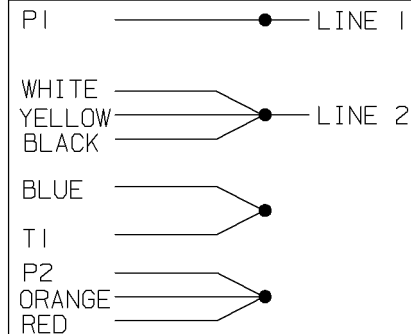
HIGH VOLTAGE C.C.W.



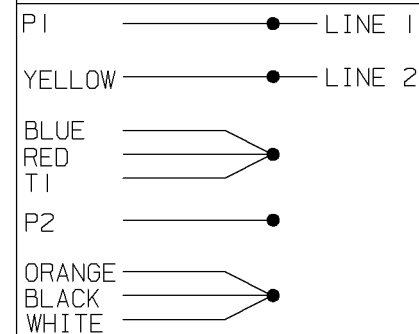
A- EE9023E

DUAL VOLTAGE
CAPACITOR START
OVERLOAD SELECT
ROTATION

LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROT. EITHER
VOLTAGE INTERCHANGE
RED WITH BLACK LEAD.

				✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX±.02 XXX±.005 XXXX±.0005 ANGLES± 7°30"				
2	01-15-1992	REMOVED TERMINAL 3 FROM SCHEMATIC	RM	MATL SPEC			DRAWN BY RM	10-30-1991	
				FINISH			CHKD BY ML	10-31-1991	
							APPD BY SAT	11-01-1991	
1	10-30-1991	NEW DRAWING 3851078	RM	REFERENCE DRW.	WAUSAU, WISCONSIN 54401				
REV	DATE	CHANGE	NAME	PART NAME CONNECTION DIAGRAM					DRWG NO A- EE9023E

SHOP BOOK

PURCHASED

DISTRIBUTION - WA - LB - WP - LM - BR

CADD FILE NO.

EE9023E

CERTIFICATION DATA SHEET

Model#: 56C17F2052 F
 CONN. DIAGRAM: A-EE9023E
 OUTLINE: A-SS75193-525

WINDING#: CE48481 NONE 3
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/4	0.19	1800	1725	56	TEFC	M	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	4.2/2.1-2.1	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300

FULL LOAD EFF: 64	3/4 LOAD EFF: 58.3	1/2 LOAD EFF: 51	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 61.3	3/4 LOAD PF: 59	1/2 LOAD PF: 49.4	0	CAP START IND RUN	/

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12.11 LB-FT	/	- LB-FT -	- LB-FT -	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
60 dBA	70 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
STANDARD	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: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

DATE: 06/27/2017 07:00:28 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 0.25

 PHASE 1

 Model No 56C17F2052
60

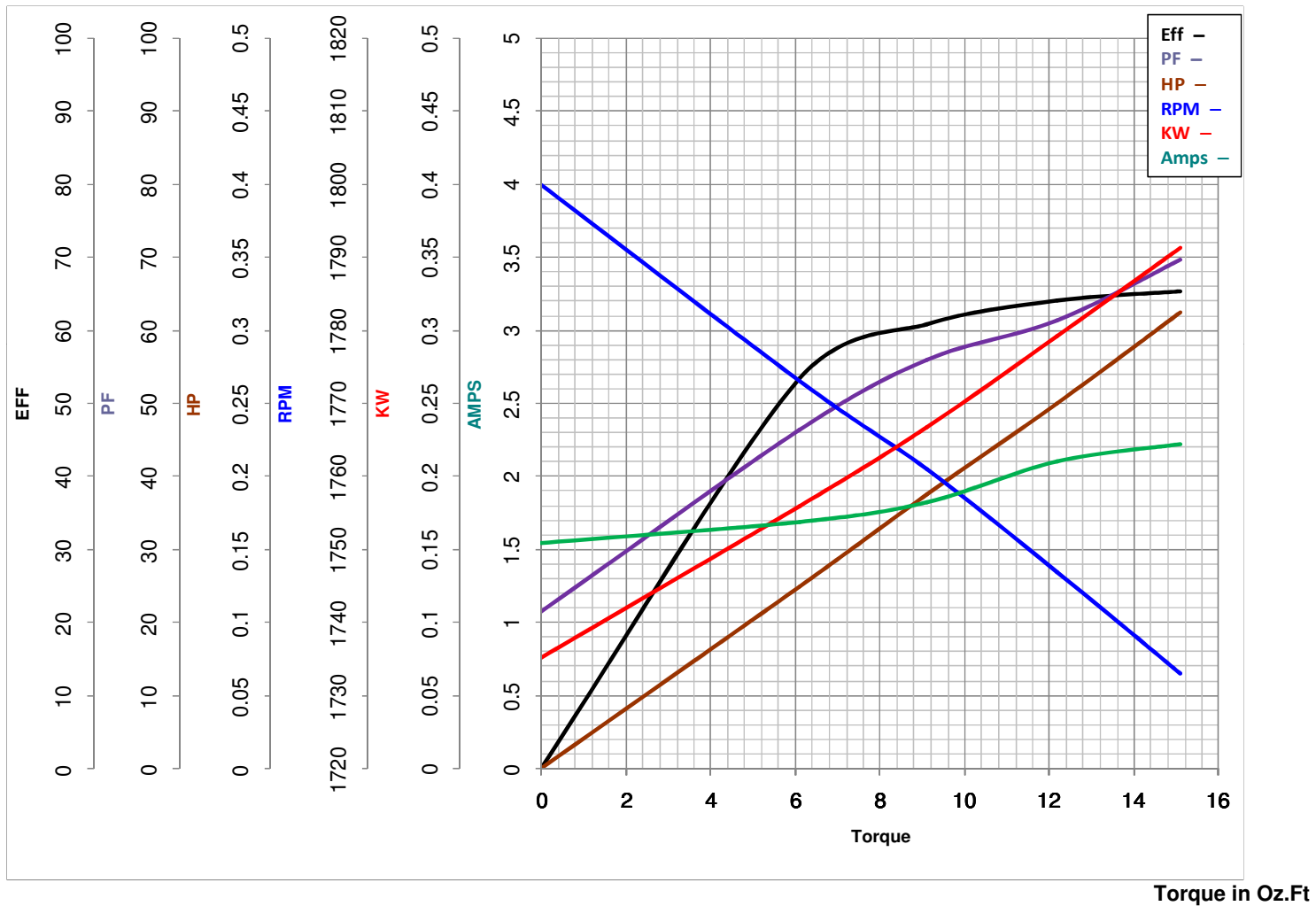
HZ

 VOLTS 115/208-230
0.25

HP

 Catalog No G314

 HZ 60

 RPM 1725


FL TORQUE 12.2 Oz.Ft
 BD TORQUE 30.9 Oz.Ft
 LR TORQUE 59.7 Oz.Ft

FL AMPS 4.2/2.1-2.1
 PU TORQUE 30.6 Oz.Ft
 LR AMPS 12.1

WINDING CE48481-3

Date 1/9/2019