

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 056C34D2119  
Catalog No: J055  
1/2,3450,DP,56J,1/60/115/230  
Single Phase



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**REGAL**<sup>®</sup>



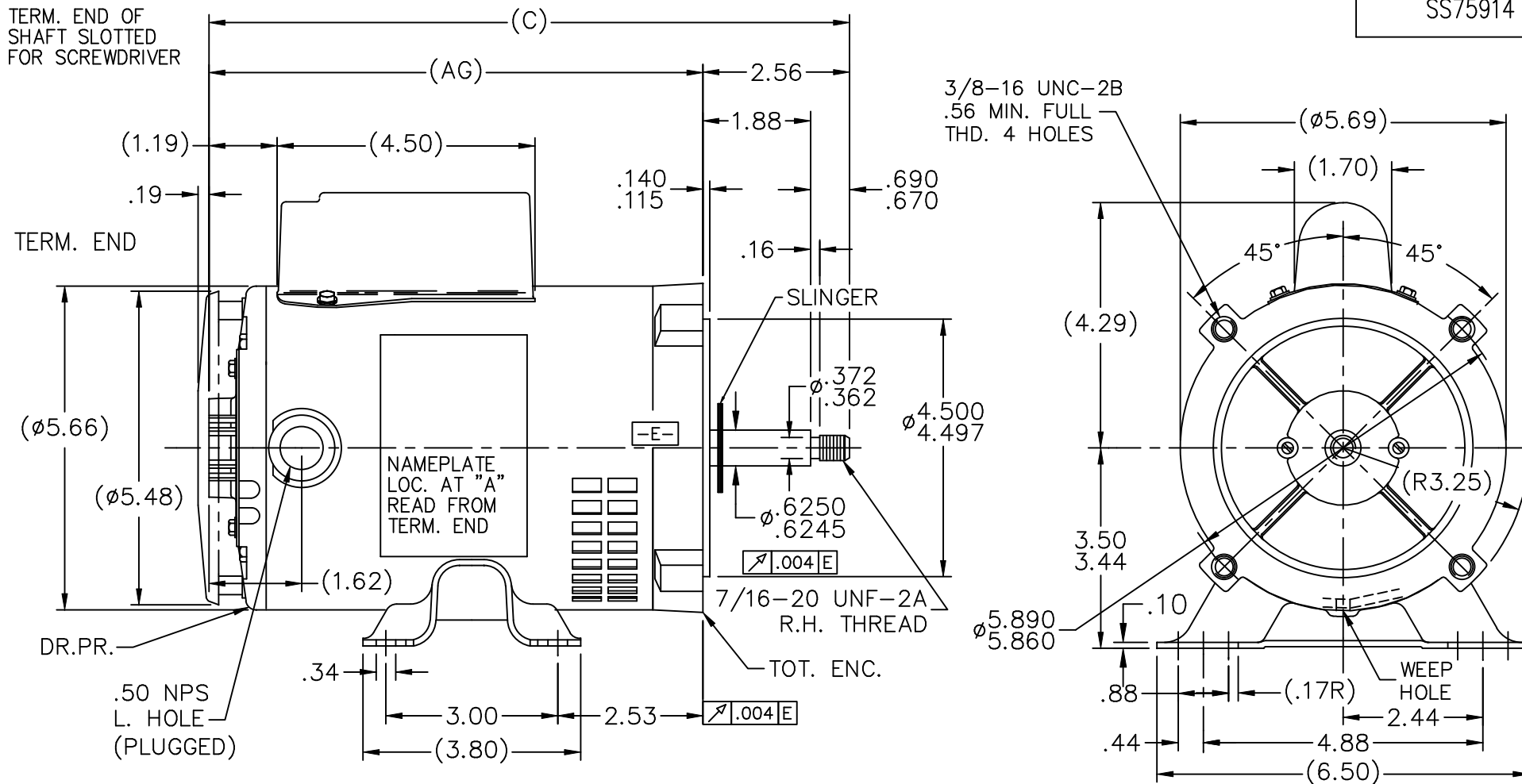
### Nameplate Specifications

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/208-230 V</b>
Current	<b>7.4/3.5-3.7 A</b>	Speed	<b>3450 rpm</b>
Service Factor	<b>1.6</b>	Phase	<b>1</b>
Efficiency	<b>62 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>NO DESIGN CODE</b>
KVA Code	<b>L</b>	Frame	<b>56J</b>
Enclosure	<b>Drip Proof</b>	Overload Protector	<b>Automatic</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6203</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>Y</b>
IP Code	<b>22</b>		

### Technical Specifications

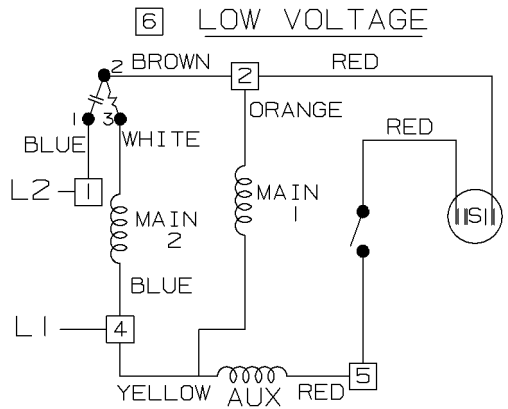
Electrical Type	<b>Capacitor Start Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>2</b>	Rotation	<b>Fixed Clockwise</b>
Mounting	<b>Rigid base</b>	Motor Orientation	<b>Horizontal Or Shaft Down</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>J</b>
Overall Length	<b>11.19 in</b>	Frame Length	<b>6.75 in</b>
Shaft Diameter	<b>0.625 in</b>	Shaft Extension	<b>2.56 in</b>
Assembly/Box Mounting	<b>F1 Only</b>		
Outline Drawing	<b>A-SS75914-675</b>	Connection Diagram	<b>A-EE9002V</b>

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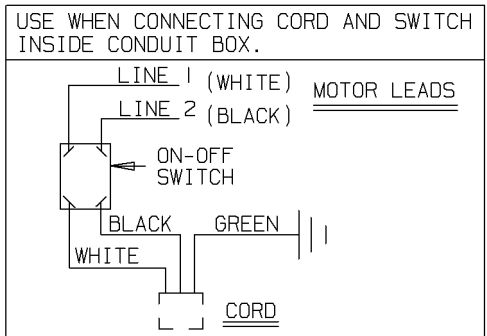
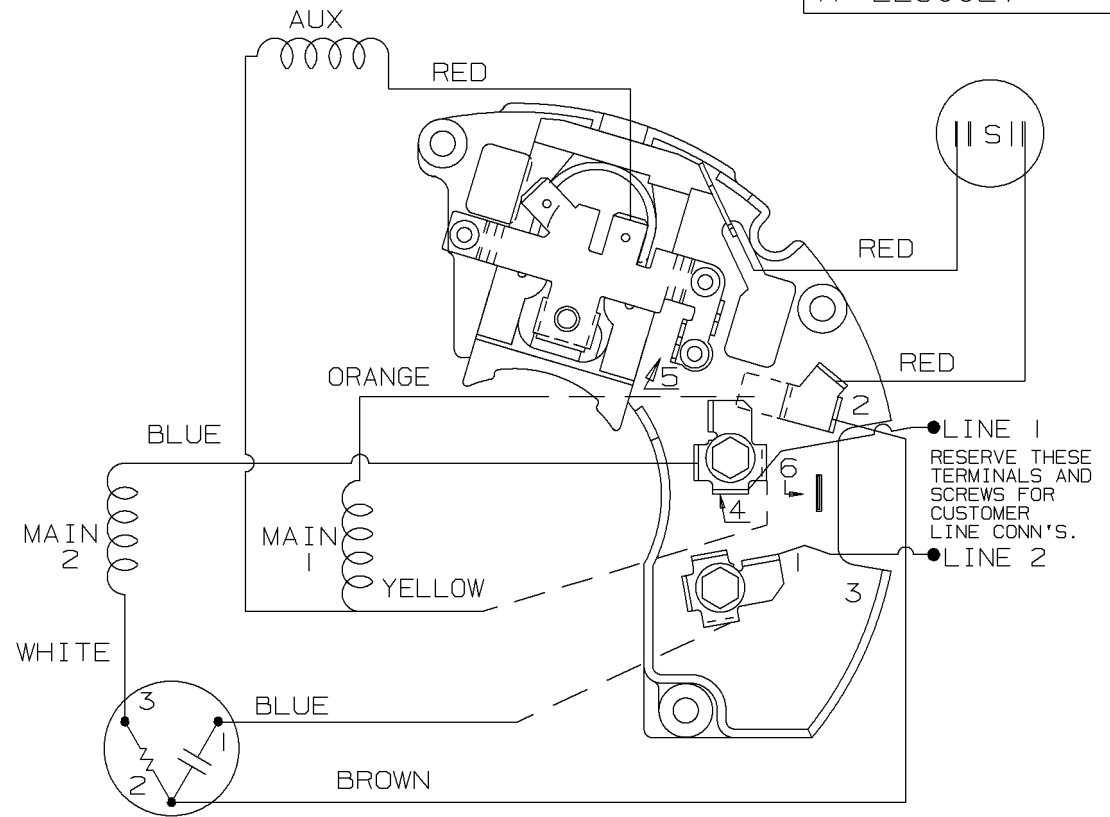
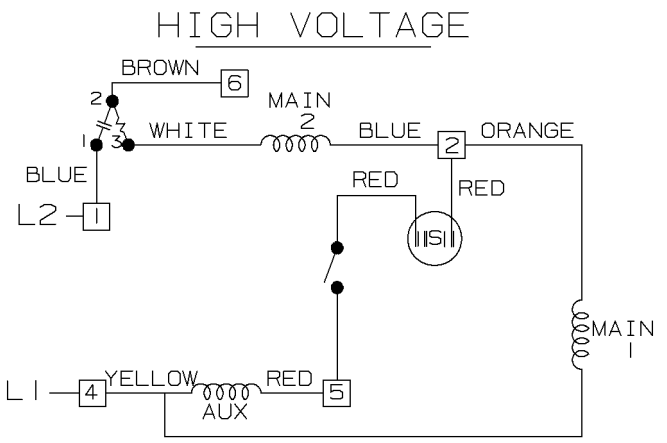


DASH		C	AG		DASH		C	AG		DASH		C	AG	
625		10.69	8.12		700		11.44	8.88		775		12.19	9.62	
650		10.94	8.38		725		11.69	9.12						
675		11.19	8.62		750		11.94	9.38						

				TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC		DRAWN DD 06-30-1993	
				DEC.	INCHES			CHK	MOL 07-01-1993
5	UPDATED DRAWING			TJW 04/20/2007				APPD	MB 07-01-1993
4	REDRAWN IN AUTOCAD			TAT 07-13-2004	ML	.X	±.1	SCALE	3=8
3	ADDED NEW FRONT BRACKET	CN 20124	RJM 04-04-1995	.XX		±.03	TITLE	OUTLINE	REF
2	PHANTOM DRIPCOVER - ADDED SLINGER	CN 16315	KL 09-28-1993	.XXX		±.005	MAT'L.		FMF
1	NEW DRAWING	4041651	DD 07-02-1993	.XXXX		±.0005	FINISH		PREV
NO.	REVISION			BY & DATE	CHK	ANG	±7'30"		
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 ss75914			SIZE	DRAWING NO. PAGE OF REV.
				DIST	WP			A	SS75914 5



DUAL VOLTAGE  
CAP. START NOT REVERSIBLE  
WITH OVERLOAD PROTECTION.



VIEWING TERM END

LOW VOLTAGE CW ROTATION SHOWN.  
FOR HIGH VOLTAGE  
CONNECT BROWN TERM 2 TO TERM 6.  
CONNECT BLUE TERM 4 TO TERM 2.

DASH LINES INDICATE LEADS CONNECTED TO MOTOR SIDE OF SWITCH.

3	01-28-1991	REVISED LINE 2 LOCATION	RM	✓ MAX. SURFACE ROUGHNESS UNLESS NOTED OTHERWISE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL. ON XX± XXX±.005 XXXX±.0005 ANGLES±
2	01-04-1991	ADDED CORD - SWITCH CONNECTION	SMC	MATL SPEC	DRAWN BY SMC 12-11-1990
1	112-11-1990	NEW DRAWING	SMC	FINISH	CHKD BY ML 12-11-1990
REV	DATE	CHANGE	NAME	REFERENCE DRW.	APPD BY GK 12-11-1990
			PART NAME CONNECTION DIAGRAM		DRWG NO
			48 FR. DUAL VOLTAGE NOT REVERSIBLE		A- EE9002V



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ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--
STACK:
  /im
  -savelevel -
```

CERTIFICATION DATA SHEET

Model#: 56C34D2119 F WINDING#: CE482183 NONE 3  
 CONN. DIAGRAM: A-EE9002V ASSEMBLY: F1 ONLY  
 OUTLINE: A-SS75914-675

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	3600	3450	56J	DP	L	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	7.4/3.5-3.7	ACROSS THE LINE	CONTINUOUS	B3	1.6	40	3300

FULL LOAD EFF: 62	3/4 LOAD EFF: 0	1/2 LOAD EFF: 0	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 72.5	3/4 LOAD PF: 0	1/2 LOAD PF: 0	0	CAP START IND RUN	5.3 / 2.7

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12 LB-FT	38.2 / 19.1	22.9 LB-FT -	31.1 LB-FT -	50

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	15 SEC.	4	0 LBS.

\*\*\* SUPPLEMENTAL INFORMATION \*\*\*

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL OR SHAFT DOWN	FALSE	NONE	TRUE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	JET PUMP	NONE	NONE	416 STAINLESS (C-503)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUTOMATIC	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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

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