

# PRODUCT INFORMATION PACKET

**marathon**<sup>®</sup>  
Motors

Model No: 056C17F5349  
Catalog No: T016  
1,1725,TEFC,56,1/60/115/208-230  
Power Tools



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**REGAL**<sup>®</sup>



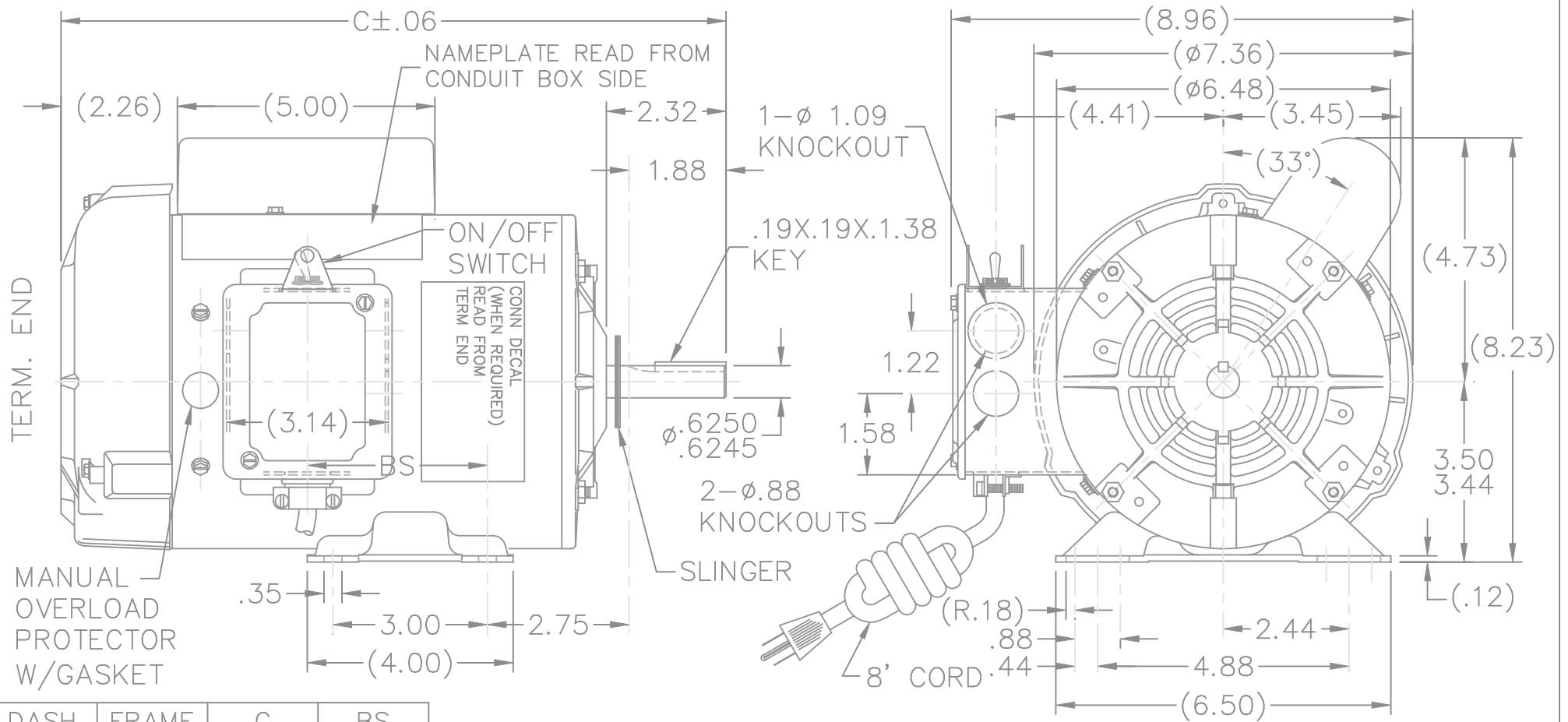
### Nameplate Specifications

Output HP	<b>1 Hp</b>	Output KW	<b>0.75 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115/208-230 V</b>
Current	<b>13.4/6.8-6.7 A</b>	Speed	<b>1725 rpm</b>
Service Factor	<b>1.15</b>	Phase	<b>1</b>
Efficiency	<b>72 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>L</b>
KVA Code	<b>J</b>	Frame	<b>56</b>
Enclosure	<b>Totally Enclosed Fan Cooled</b>	Overload Protector	<b>Manual</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>N</b>
IP Code	<b>43</b>		

### Technical Specifications

Electrical Type	<b>Capacitor Start Induction Run</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective Counterclockwise</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>Rolled Steel</b>	Shaft Type	<b>T</b>
Overall Length	<b>12.82 in</b>	Shaft Diameter	<b>0.625 in</b>
Shaft Extension	<b>1.88 in</b>	Assembly/Box Mounting	<b>F1 Only</b>
Outline Drawing	<b>A-104239-756</b>	Connection Diagram	<b>102005-79</b>

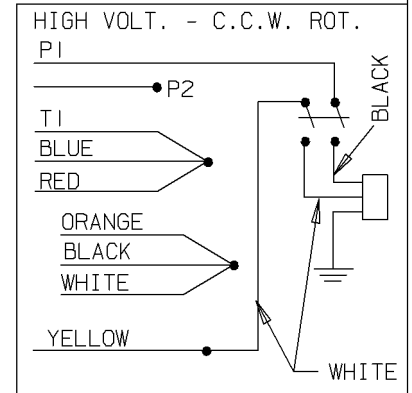
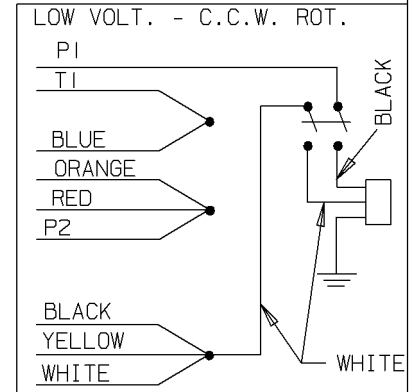
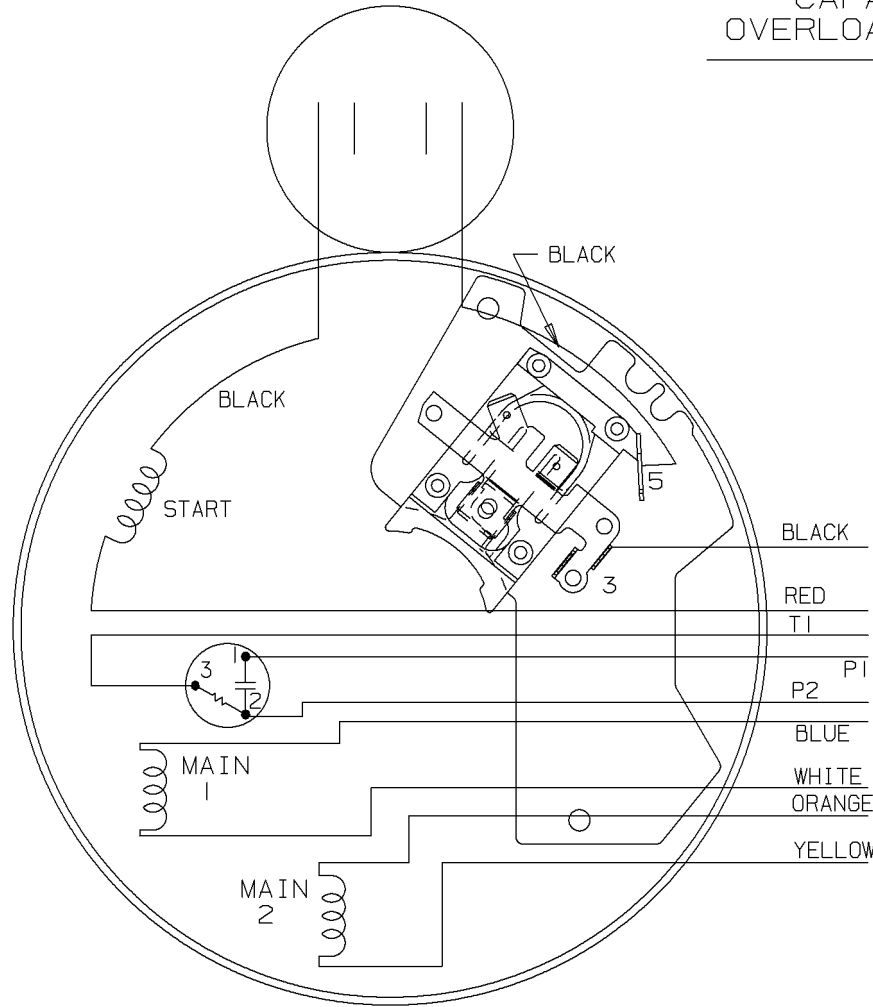
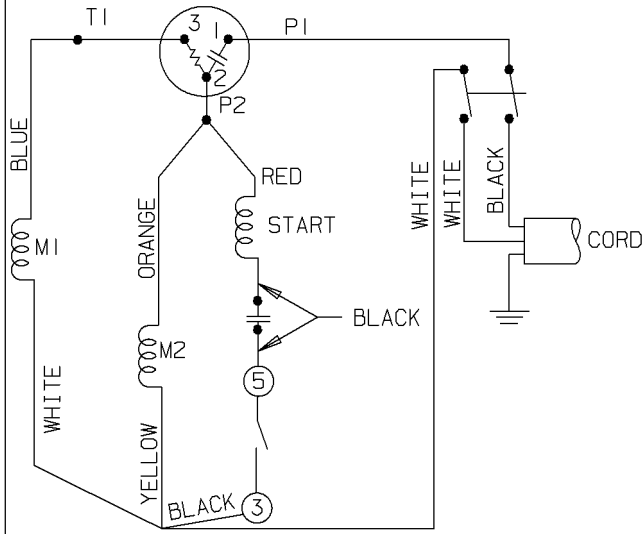
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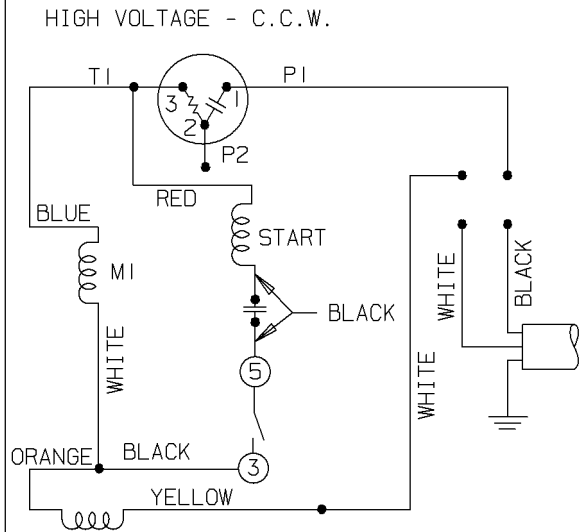
DASH	FRAME	C	BS
656	56-65	11.82	2.40
706	56-70	12.32	2.90
756	56-75	12.82	3.40

			TOLERANCES UNLESS SPECIFIED			DRAWN PGK 01-28-1997							
			DEC.	INCHES		CHK	ML	02-01-1997	APPD	SAT	02-14-1997		
4	UPDATED DRAWING	RJW 03-29-2007	.X	±.1	<b>TITLE</b> OUTLINE 56 FR. - BB - TEFC - 1φ  <b>MAT'L.</b>  <b>FINISH</b>	SCALE 11=32							
3	REDRAWN IN AUTOCAD	TAT 06-24-2005	DRS	.XX		±.03	REF						
2	REMOVED DRAIN HOLE CN 24300-116	PGK 03-19-1997		.XXX		±.005	FMF						
1	NEW DRAWING MU12072	PGK 02-14-1997		.XXXX		±.0005	PREV						
NO.	REVISION	BY & DATE	CHK	ANG		±'30"	RFP	CAD FILE	104239	SIZE	DRAWING NO.	PAGE	OF
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						DIST	WP	A	104239	4			

DUAL VOLTAGE  
CAPACITOR START  
OVERLOAD SELECT ROT.



FOR C.W. ROTATION  
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"		
				MATL SPEC			DRAWN BY PGK 05-14-1996
				FINISH			CHKD BY KL 07-18-1996
2	07-08-1996	REDRAWN ON CADD, NO CHANGES		PGK	REFERENCE DRW.	WAUSAU, WISCONSIN 54401	APPD BY ML 07-08-1996
REV	DATE	CHANGE		NAME	PART NAME CONNECTION DIAGRAM		DRWG NO A-102005-79

SHOP BOOK | PURCHASED | DISTRIBUTION - WA - LB - WP - LM - BR | CADD FILE NO. | 0200579

**CERTIFICATION DATA SHEET**

**Model#:** 56C17F5349 D    **WINDING#:** ZC407 NONE 3  
**CONN. DIAGRAM:** 102005-79    **ASSEMBLY:** F1 ONLY  
**OUTLINE:** A-104239-756

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN		
1	.75	1800	1725	56	TEFC	J	L		
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115/208-230	13.4/6.8-6.7	ACROSS THE LINE	CONTINUOUS	B3	1.15	40	3300
FULL LOAD EFF: -	3/4 LOAD EFF: 70	1/2 LOAD EFF: 64.3	GTD. EFF	ELEC. TYPE	NO LOAD AMPS				
FULL LOAD PF: -	3/4 LOAD PF: 60.5	1/2 LOAD PF: 49	0	CAP START IND RUN	8.8 / 4.4				
F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C					
48.3 LB-FT	69.4 / 34.7	145 LB-FT 0	122 LB-FT 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 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	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL		
BALL	BALL								
6203	6203								
THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS			
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs	NONE	FALSE	NONE VOLTS			
NONE	MANUAL	NONE	NONE						

If Inverter equals NONE, contact factory for further information

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N  
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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 07:06:45 AM  
 FORM 3531 REV.3 02/07/99

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