

PRODUCT INFORMATION PACKET

Model No: 048A17O147

Catalog No: X269

Refrigeration Motor, 0.17 HP, 1 Ph, 60 Hz, 208-230 V, 1800 RPM, 48Y Frame, OAO





Nameplate Specifications

Output HP	0.17 Hp	Output KW	0.13 kW
Frequency	60 Hz	Voltage	208-230 V
Current	1.1-1.2 A	Speed	1625 rpm
Service Factor	1	Phase	1
Efficiency	67.5 %	Power Factor	90
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	B
Frame	48Y	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	10
Number of Speeds	1		

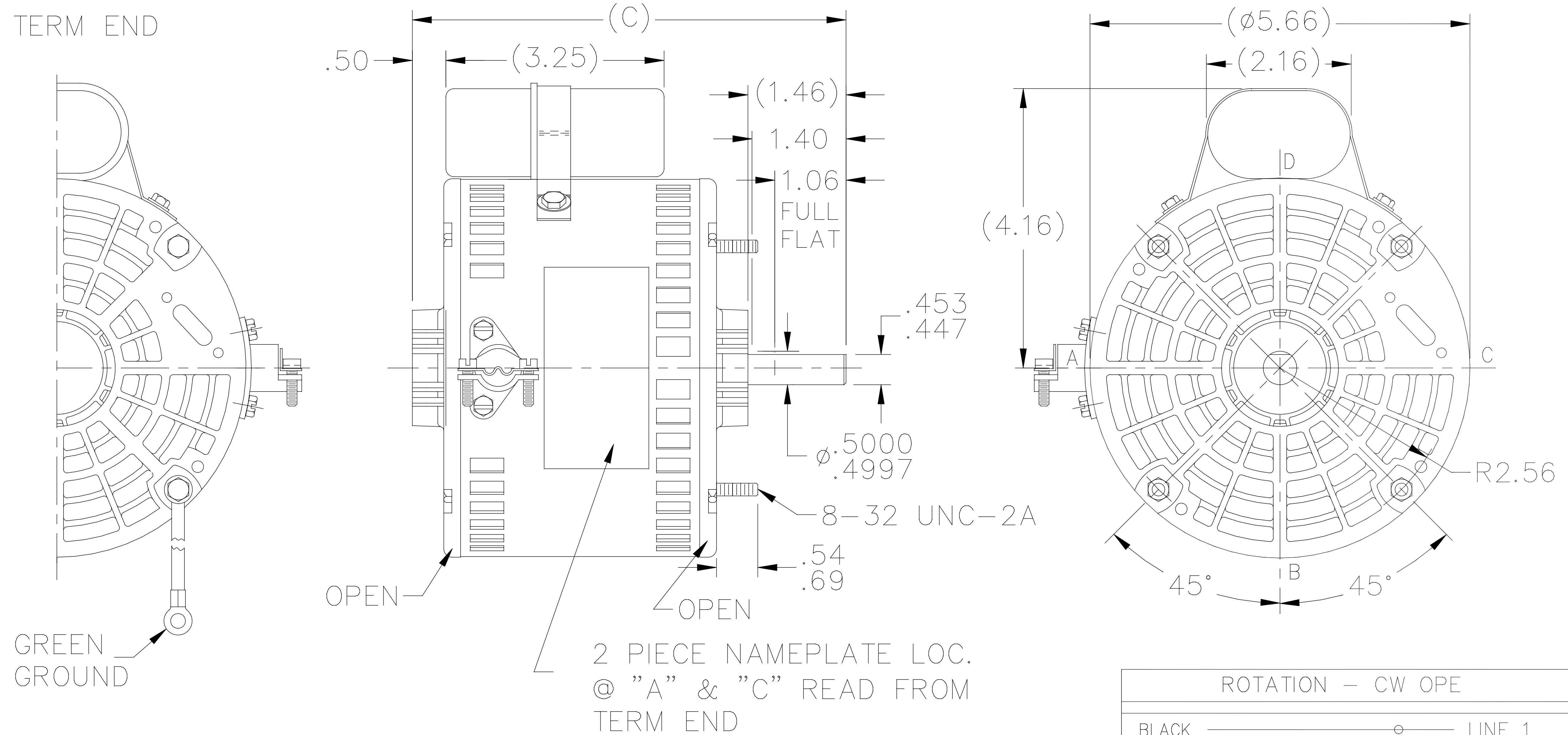
Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Fixed Clockwise
Mounting	Round - Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Single Special Extension
Overall Length	6.46 in	Frame Length	3.62 in
Shaft Diameter	0.500 in	Shaft Extension	1.46 in
Assembly/Box Mounting	F1 ONLY		
Connection Drawing	9510634	Outline Drawing	A-SS74438-362

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SS74438

TERM END

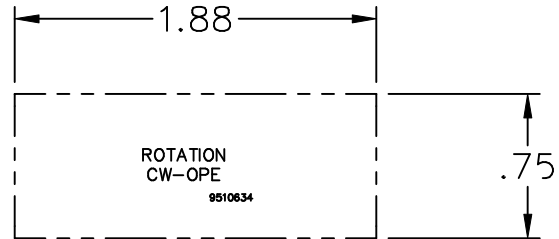


LEAD DESCRIPTION:
 2 BLACK LEADS 42.00" LONG W/.75" WIRE STRIPPED.
 GREEN GROUND LEAD 14.50" LONG W/TERM. FOR #10
 SCREW.

DASH	FR.	C
350		6.34
362		6.46

ROTATION - CW OPE		
BLACK	—○—	LINE 1
BLACK	—○—	LINE 2
BROWN	—⊕—	
BROWN	—⊕—	

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED		MARATHON ELECTRIC	DRAWN SMC 08-28-1992			
				DEC.	INCHES					
				.X	±.1		CHK ML 08-28-1992			
4	ROTATION WAS CCW CHD TO CW PER ECO-0087016	SL 10/14/15	KK	.XX	±.03	TITLE OUTLINE	APPD GK 08-28-1992			
3	REDRAWN ON CADD	TAT 05-19-2005	ML	.XXX	±.005		SCALE 7=16			
2	REDRAWN, UPDTD. STUD EXT. WAS .54/.69 CN 6402	SMC 08-28-1992		.XXXX	±.0005	MAT'L.	REF			
				ANG	±7'30"	FINISH	FMF			
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 ss74438	SIZE A	DRAWING NO. SS74438	PAGE OF	REV. 4
				DIST WP						



				TOLERANCES UNLESS SPECIFIED			DRAWN RR 08-27-1976		
				DEC.	INCHES		CHK	GK 08-27-1976	
				.X	±.1		APPD	HM 08-31-1976	
				.XX	±.02		SCALE 1=1		
2	REDRAWN IN AUTOCAD	HLB 01-11-2005	ML	.XXX	±.005	TITLE CONNECTION DIAGRAM		REF	
1	NEW DRAWING ECN 171	RR 09-02-1976		.XXXX	±.0005	MAT'L.		FMF	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH		PREV	
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				DIST WP			A	9510634	2

CERTIFICATION DATA SHEET

Model#: 48A17O147 D WINDING#: PE484223 NONE 2
 CONN. DIAGRAM: 9510634 ASSEMBLY: F1 ONLY
 OUTLINE: A-SS74438-362

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/6	0.13	1800	1625	48Y	OPAO	B	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	1.1-1.2	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 67.5	3/4 LOAD EFF: -	1/2 LOAD EFF: -	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: -	1/2 LOAD PF: -	-	PSC 1 SPEED	.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
8.27 LB-FT	2.4	5.84 LB-FT -	15.6 LB-FT -	-

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	- LB-FT^2	- LB-FT^2	- SEC.	-	- LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	ROUND-EXTENDED STUDS	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	MULTEMP SRL	SGL SPL EXT	0.500 x 1.40 WITH 1.06 FULL FLAT	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUT LCK RTR ONLY	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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MARATHON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 230 Volts
60 HZ
0.167 HP

HP 0.167

PHASE 1

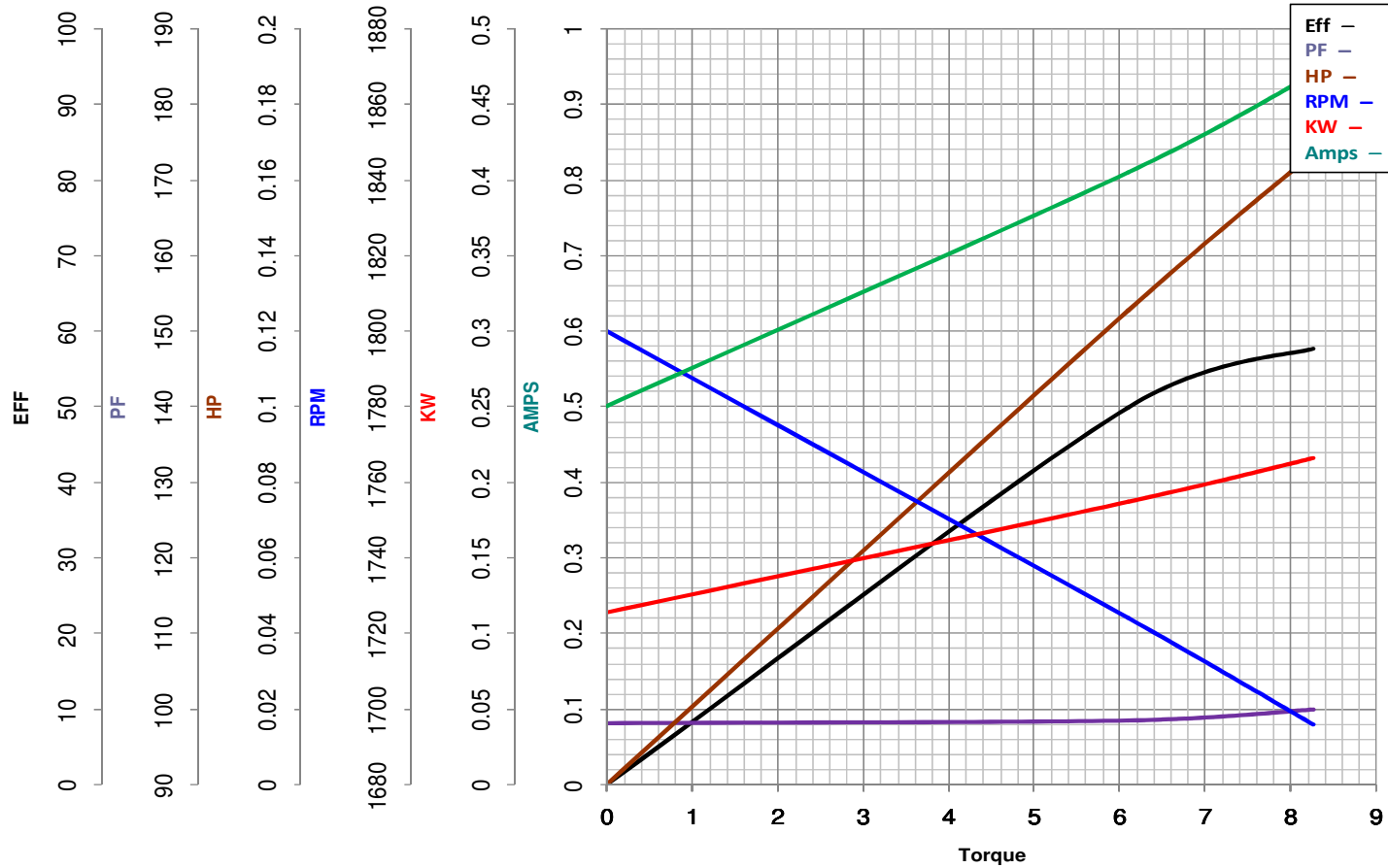
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VOLTS 208-230

Catalog No X269

HZ 60

RPM 1625



		Torque in Oz.Ft			
FL TORQUE	<u>8.27</u>	Oz.Ft	FL AMPS	<u>1.1-1.2</u>	
BD TORQUE	<u>15.6</u>	Oz.Ft	PU TORQUE	<u>5.5</u>	Oz.Ft
LR TORQUE	<u>5.84</u>	Oz.Ft	LR AMPS	<u>2.37</u>	
WINDING	PE484223-2		Date	1/17/2019	