

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 048A11O1874
Catalog No: X038
1/2,1140,OPEN,48Y,1,60,460
Direct Drive



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REGAL



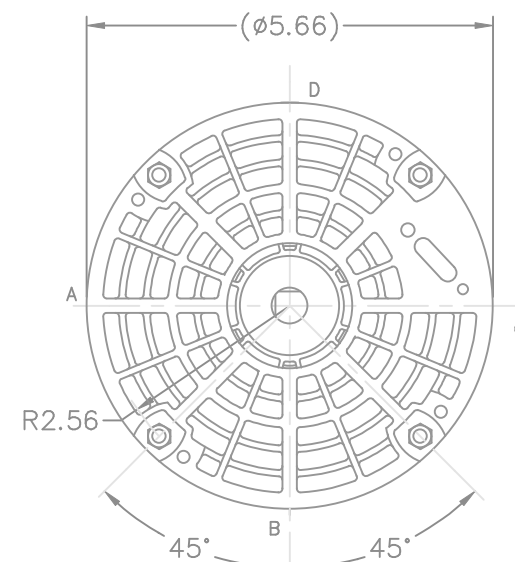
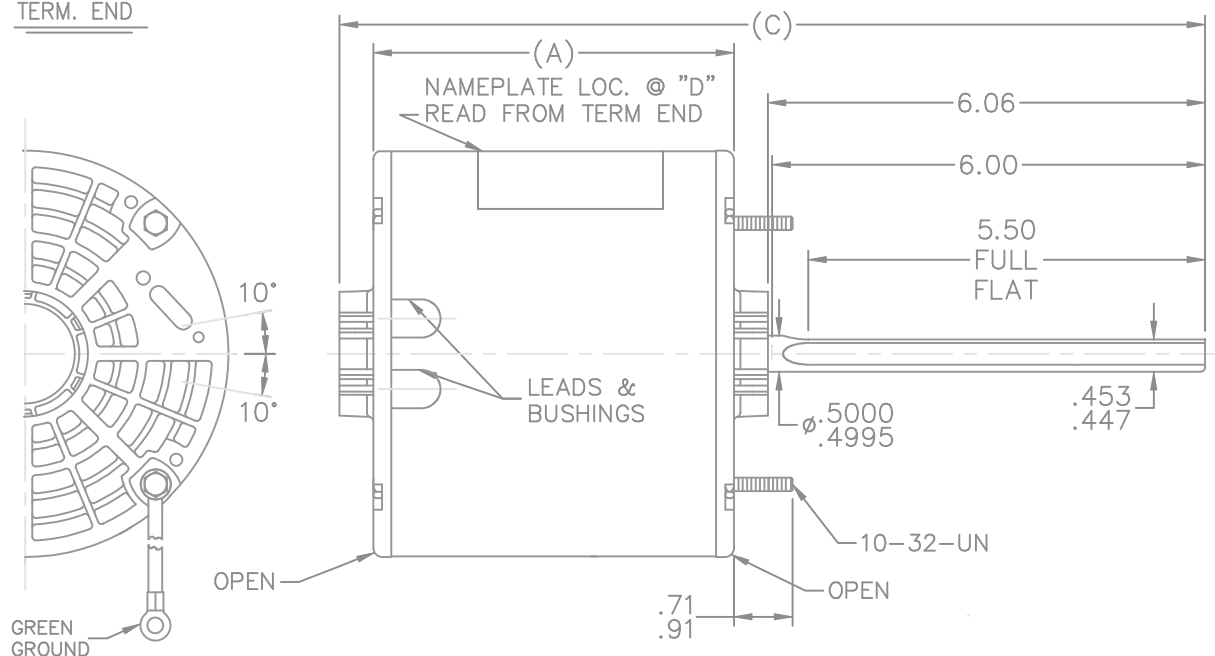
Nameplate Specifications

Output HP	0.5 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	460 V
Current	1.6 A	Speed	1075 rpm
Service Factor	1	Phase	1
Efficiency	62.6 %	Duty	CONTINUOUS
Insulation Class	B	Design Code	2VT
KVA Code	D	Frame	48Y
Enclosure	OPAO	Overload Protector	AUT LCK RTR ONLY
Ambient Temperature	40 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	1		

Technical Specifications

Electrical Type	PSC 2 SPEED	Starting Method	ACROSS THE LINE
Poles	6	Rotation	SELECTIVE CCW
Mounting	ROUND	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	SGL SPL EXT
Overall Length	12.19 in	Frame Length	4.75 in
Shaft Diameter	0.5 in	Shaft Extension	6.06 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-SS400491-475	Connection Diagram	9580309

TERM. END



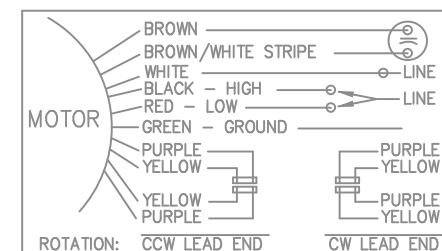
LEAD DESCRIPTION:

1 BLACK, 1 RED & 1 WHITE LEAD WITH .50 BARE WIRE STRIP 27.00" LONG.

2 BROWN CAPACITOR LEADS WITH .50" BARE WIRE STRIP 27.00" LONG BROWN WITH WHITE MARK IS COMMON TO WHITE LEAD.

REVERSING LEADS ARE MOLDED INTO MATING PULL APART PLUGS 1 PURPLE, AND 1 YELLOW PER PLUG 5.00" LONG.

GREEN GROUND LEAD WITH TERM. FOR #10 SCREW 12.00" LONG.



DASH	FRAME	C	A
400	48Y	11.44	4.50
425	48Y	11.69	4.75
450	48Y	11.94	5.00
475	48Y	12.19	5.25
500	48Y	12.44	5.50

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED
5	UPDATED DRAWING	RJW 04-13-2007		DEC.	INCHES
4	REDRAWN IN AUTOCAD	TAT 08-03-2004	ML	.X	±.1
3	REVISED NAME PLATE LOCATION CN 29400-13	CAV 01-18-2000		.XX	±.03
2	BLACK, RED, & WHITE WAS 30" MU26803	CAV 09-10-1999		.XXX	±.005
1	NEW DRAWING MU26799	TRB 09-03-1999		.XXXX	±.0005
				±.7'30"	

	TITLE OUTLINE		DRAWN TRB 09-01-1999	
			CHK ML 09-02-1999	
			APPD RJS 09-03-1999	
			SCALE 3=8	
			REF	
MAT'L.		FMF		
FINISH		PREV		

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RFP

DIST WP

CAD FILE ss400491

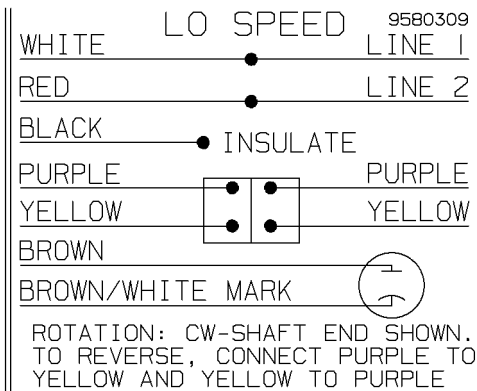
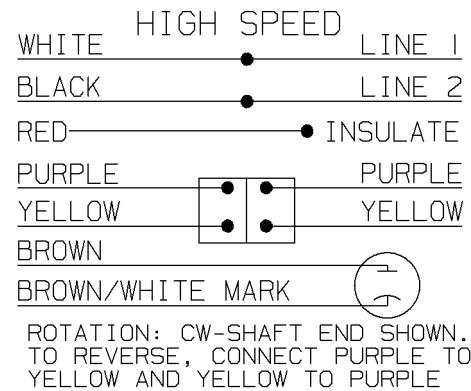
SIZE

A

DRAWING NO. PAGE OF REV.

SS400491

5



				✓ 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 TRB	09-01-1999	
				FINISH				CHKD BY ML	09-02-1999	
I	09-03-1999	NEW DRAWING	TRB		WAUSAU, WISCONSIN 54401			APPD BY RJS	09-03-1999	
		MU26799		PART NAME CONNECTION DIAGRAM INSERT					DRWG NO A - 9580309	
REV	DATE	CHANGE		NAME						
			SHOP BOOK	PURCHASED	DISTRIBUTION - WA - LB - WP - LM			CADD FILE NO.	9580309	

ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--

STACK:

225 /agrave
224 /germandbls
223 /Thorn
222 /Yacute
221 /Udieresis
220 /Ucircumflex
219 /Uacute
218 /Ugrave
217 /Oslash
216 /multiply
215 /Odieresis
214 /Otilde
213 /Ocircumflex
212 /Oacute
211 /Ograve
210 /Ntilde
209 /Eth
208 /Idieresis
207 /Icircumflex
206 /Iacute
205 /Igrave
204 /Edieresis
203 /Ecircumflex
202 /Eacute
201 /Egrave
200 /Ccedilla
199 /AE
198 /Aring
197 /Adieresis
196 /Atilde
195 /Acircumflex
194 /Aacute
193 /Agrave
192 /questiondown

CERTIFICATION DATA SHEET

Model#:

48A1101874 A

WINDING#:

PE4861936 NONE 4

CONN. DIAGRAM:

9580309

ASSEMBLY:

F1 ONLY

OUTLINE:

A-SS400491-475

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	-	1075	48Y	OPAO	D	2VT

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	460	1.6	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: -	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 2 SPEED	-

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

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	-1 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	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	BEACON 325	SGL SPL EXT	0.500 x 6.00 WITH 5.50 DBL FULL FLATS	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /in HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	AUT LCK RTR ONLY	NONE	NONE	NONE	FALSE	NONE VOLTS

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E
S
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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