

marathon®
Motors

The image shows a black Omalathon 3000W electric motor. The motor has a black main body and a silver-colored end cap on the left. A mounting bracket is attached to the bottom. A label on the side provides technical details:

Omialathon	
3000W	
Model	3000W
Power	3000W
Voltage	230V
Frequency	50Hz
Speed	1400 RPM
Current	13.5A
Efficiency	85%
Protection	IP54
Material	Aluminum
Weight	2.5kg
Dimensions	180x180x180mm
Barcode	1234567890123





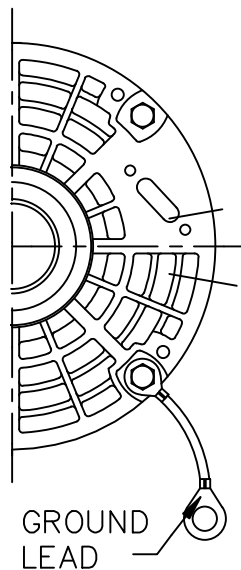
Nameplate Specifications

Output HP	.5 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230 V
Current	6.74-6.1 A	Speed	1075 rpm
Service Factor	1	Phase	1
Efficiency	63.5 %	Duty	CONTINUOUS
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	A	Frame	48Z
Enclosure	OPAO	Overload Protector	AUT LCK RTR ONLY
Ambient Temperature	60 °C	Drive End Bearing Size	6203
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N
IP Code	10		

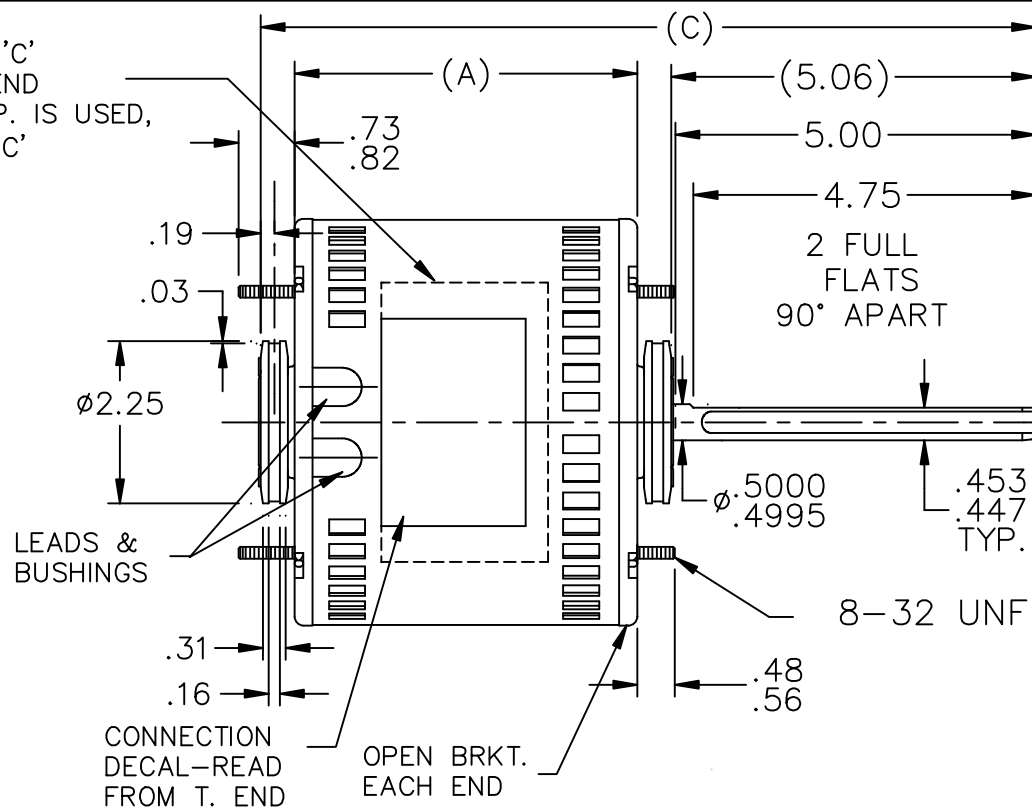
Technical Specifications

Electrical Type	PSC 4 SPEED	Starting Method	ACROSS THE LINE
Poles	6	Rotation	SELECTIVE CCW
Mounting	RESILIENT RING-EXTENDED STUDS	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	SGL SPL EXT
Overall Length	4.75 in	Frame Length	4.25 in
Shaft Diameter	.5 in	Shaft Extension	4.75 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-SS403887-425	Connection Diagram	SEE OUTL.

NAMEPLATE LOC. @ 'C'
READ FROM TERM. END
WHEN TWO PART N.P. IS USED,
CENTER PIECES AT 'C'



TERM. END



LEAD DESCRIPTION:

1 WHITE, 1 BLACK, 1 BLUE, 1 RED, & 1 ORANGE LEAD WITH
.25 FLAG-TYPE QUICK CONNECTS 36.00" LONG.
1 BROWN & WHITE AND
1 BROWN LEAD WITH .25 FLAG-TYPE QUICK
CONNECTS 36.00" LONG.

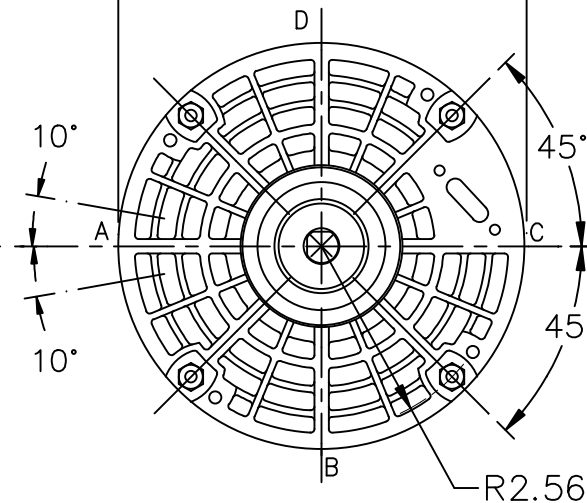
REVERSING LEADS ARE MOLDED INTO MATING
PULL-APART PLUGS. 1 YELLOW & 1 PURPLE
LEAD PER PLUG. 6.00" LONG.

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

WHITE ————— L1
BLACK — HIGH
BLUE — MED HIGH
ORANGE — MED LOW
RED — LOW

ROTATION — SHAFT END
PURPLE — CCW
YELLOW — CCW
PURPLE — CW
YELLOW — CW

INSULATE UNUSED SPEED
TAP LEADS SEPARATELY. BROWN/WHITE — CAP.



SS403887

DASH	FR.	C	A
425	48Y	10.75	4.75
450	48Y	11.00	5.00

		TOLERANCES UNLESS SPECIFIED	
		DEC.	INCHES
		.X	±.1
		.XX	±.03
		.XXX	±.005
		.XXXX	±.0005
NO.	REVISION	BY & DATE	CHK
			ANG

MARATHON ELECTRIC	
TITLE OUTLINE	
MAT'L.	
FINISH	

DRAWN	NB 12/29/09
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PREV	

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CAD FILE ss403373

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