

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 048A11O1772
Catalog No: X036
1/2,1075,OPEN,48Y,1/60/115
Direct Drive



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REGAL

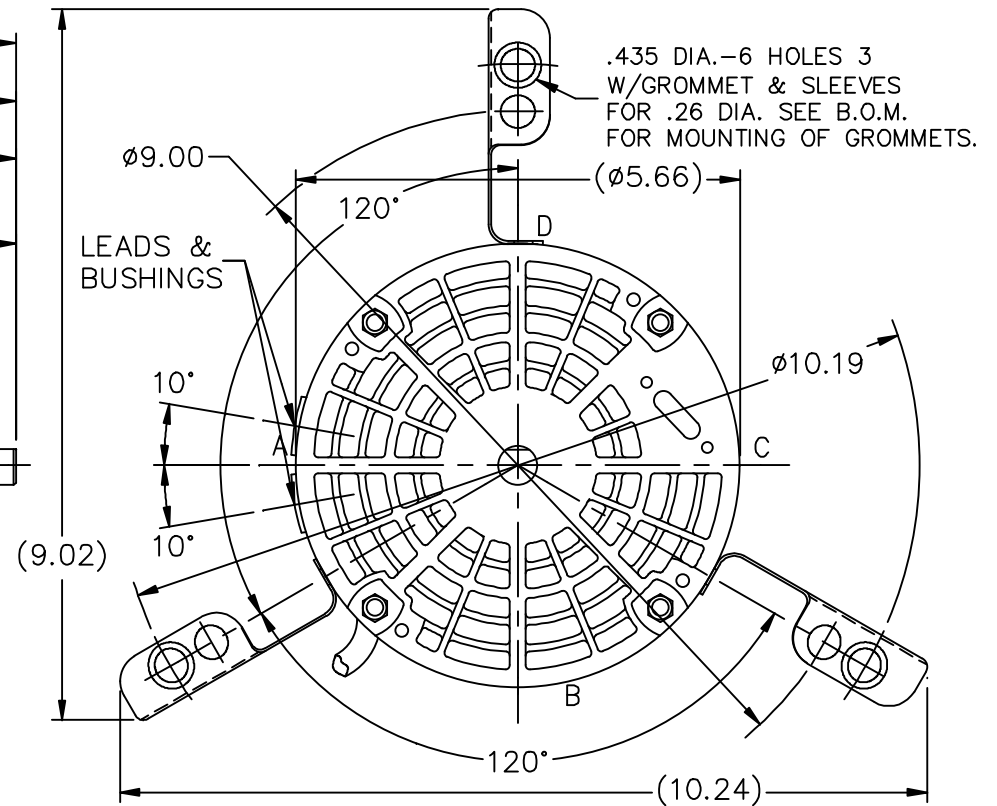
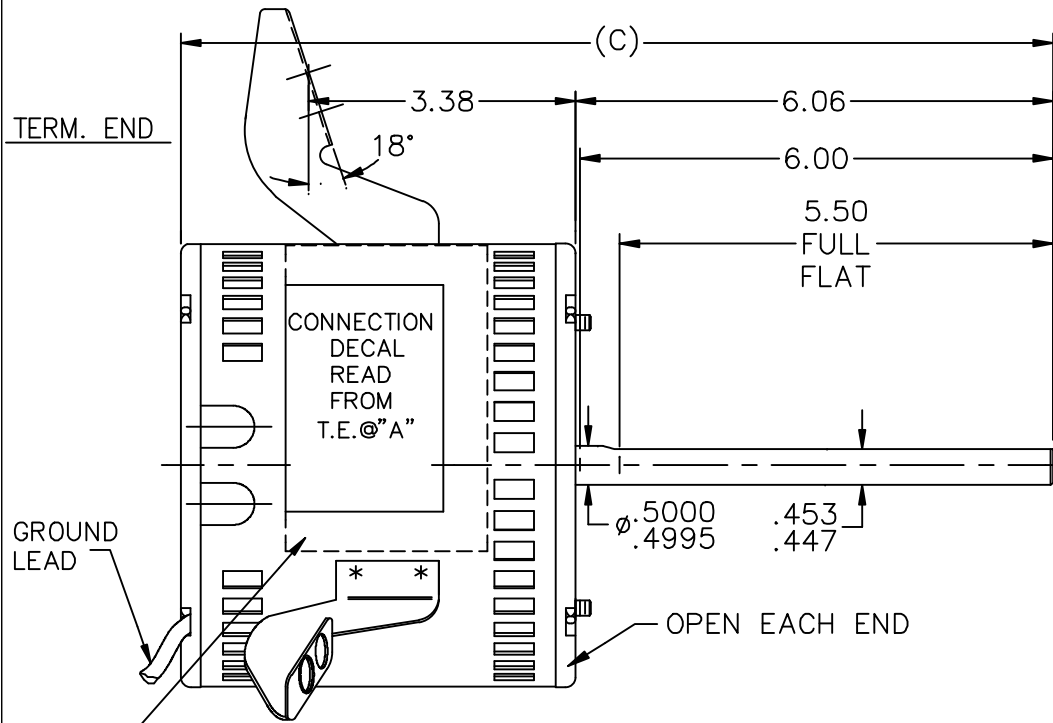
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115 V
Current	6.0 A	Speed	1075 rpm
Service Factor	1	Phase	1
Efficiency	64 %	Duty	Continuous
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	C	Frame	48Z
Enclosure	Open Air Over	Overload Protector	Automatic Lock Rotor Only
Ambient Temperature	40 °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	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Selective Counterclockwise
Mounting	Three Lug Mount	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Single Special Extension
Overall Length	11.06 in	Frame Length	4.50 in
Shaft Diameter	0.500 in	Shaft Extension	6.06 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	A-SS403891-450	Connection Diagram	6906500

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N.P. LOC'D @ 45° CW OF 'C' READ FROM T.E. WHEN TWO PIECE N.P. IS USED LOCATE 1/2" ON EACH SIDE OF LUG

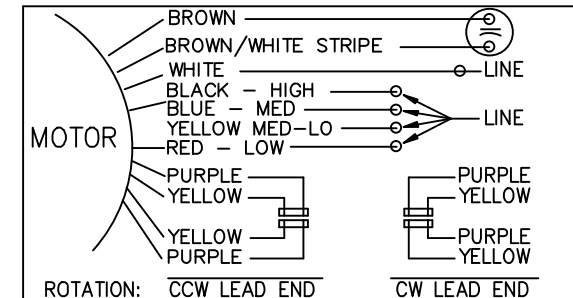
LEAD DESCRIPTION:

1 WHITE, 1 BLACK, 1 YELLOW, 1 BLUE, & 1 RED LEAD WITH .50 BARE WIRE STRIP. 30.00" LONG.

2 BROWN LEADS WITH .25 FLAG-TYPE QUICK CONNECTS, 30.00" LONG. BROWN/WHITE MARKED LEAD IS COMMON TO WHITE.

REVERSING LEADS ARE MOLDED INTO MATING PULL-APART PLUGS. 1 YELLOW & 1 PURPLE LEAD PER PLUG. 5.00" LONG.

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



ROTATION: CCW LEAD END

CW LEAD END

DASH	FR	C
375	48	10.31
400	48	10.56
425	48	10.81
450	48	11.06

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	
					DEC.	INCHES
					.X	±.1
					.XX	±.03
					.XXX	±.005
					.XXXX	±.0005
						±7'30"



TITLE OUTLINE

MAT'L.

FINISH

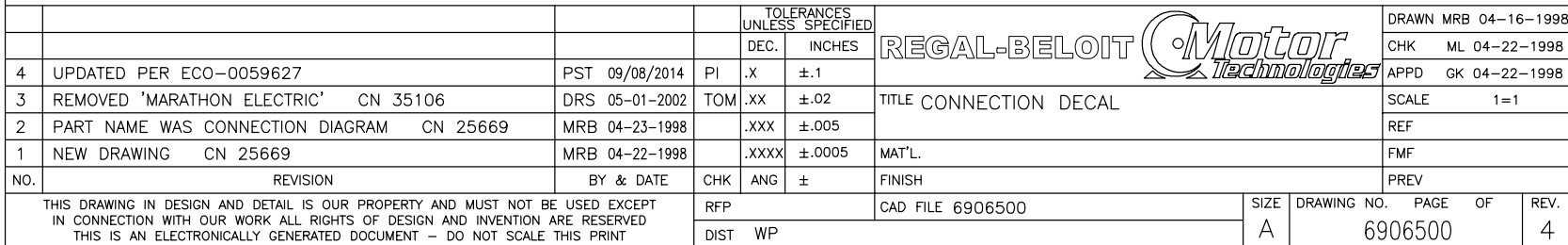
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CHK	NB 12/29/09
APPD	NB 12/29/09
SCALE	13=32
REF	SS403519
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PREV	

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RFP 12/29/09
DIST WP

CAD FILE SS403891

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CERTIFICATION DATA SHEET

Model#: 48A1101772 C **WINDING#:** PE4861803 NONE 1
CONN. DIAGRAM: 6906500 **ASSEMBLY:** F1 ONLY
OUTLINE: A-SS403891-450

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	1200	1075	48Z	OPAO	C	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115	6	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 64	3/4 LOAD EFF: -	1/2 LOAD EFF: -	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 93.5	3/4 LOAD PF: -	1/2 LOAD PF: -	-	PSC 4 SPEED	2.9

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
37 LB-FT	16.4	15.9 LB-FT -	67.4 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	THREE LUG MOUNT	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE	BEACON 325	SGL SPL EXT	0.500 x 6.00 IN SEF WITH 5.50 IN FULL FLAT	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	AUT LCK RTR ONLY	NONE	NONE			

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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