

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 048A11O1046
Catalog No: X473
1/6,1075,OPEN,48Y,1/60/115
Direct Drive



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REGAL



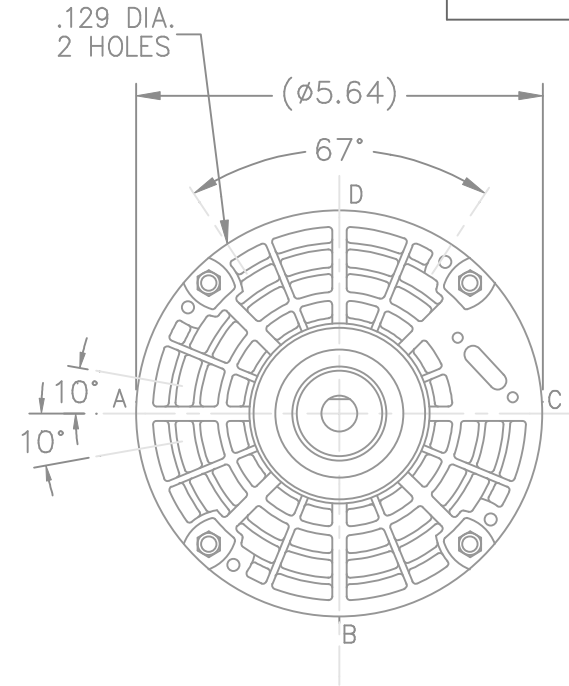
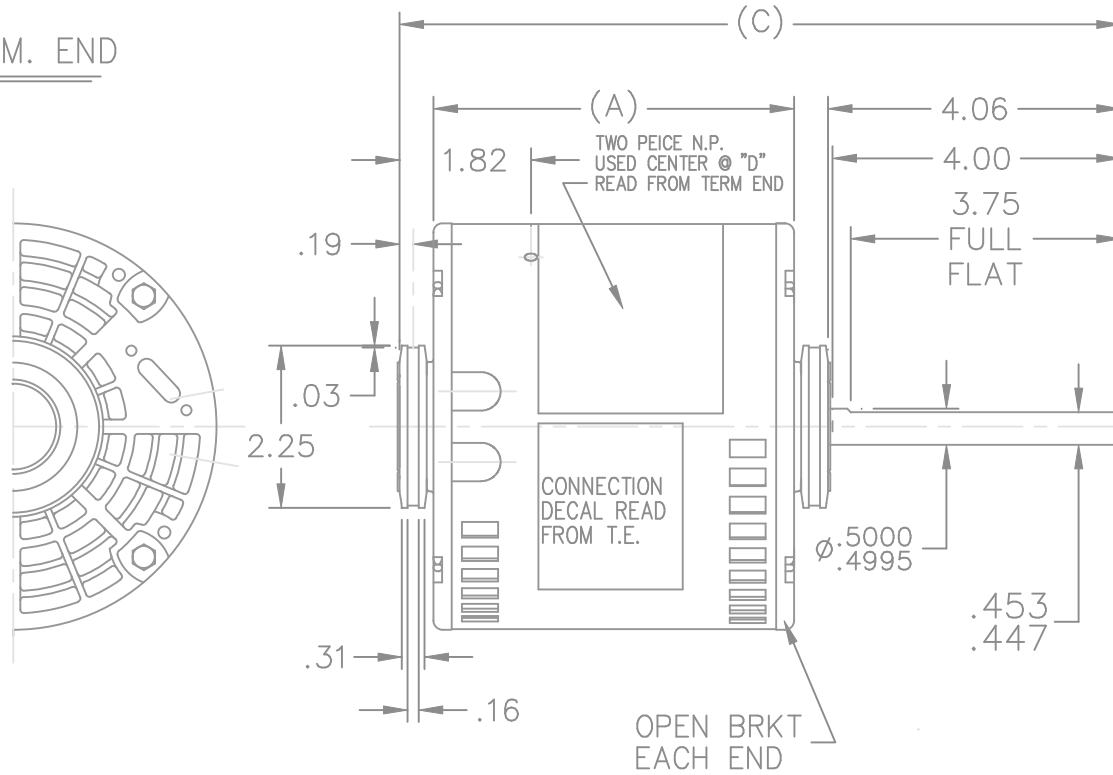
Nameplate Specifications

Output HP	0.17 Hp	Output KW	0.13 kW
Frequency	60 Hz	Voltage	115 V
Current	2.9 A	Speed	1075 rpm
Service Factor	1	Phase	1
Efficiency	50.5 %	Duty	CONTINUOUS
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	C	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	10		

Technical Specifications

Electrical Type	PSC 1 SPEED	Starting Method	ACROSS THE LINE
Poles	6	Rotation	SELECTIVE CCW
Mounting	RESILIENT RINGS	Motor Orientation	HORIZONTAL
Drive End Bearing	BALL	Opp Drive End Bearing	BALL
Frame Material	ROLLED STEEL	Shaft Type	SGL SPL EXT
Overall Length	9 in	Frame Length	3.5 in
Shaft Diameter	0.5 in	Shaft Extension	4.06 in
Assembly/Box Mounting	F1 ONLY		
Outline Drawing	A-SS403800-350	Connection Diagram	6906496

TERM. END



LEAD DESCRIPTION:

1 BLACK AND 1 WHITE LEAD WITH .50 BARE WIRE STRIP. 36.00 TO 39.00 LONG.

2 BROWN LEADS WITH .25 FLAG-TYPE QUICK CONNECTS 36.00 TO 39.00 LONG.
WHITE MARKED LEAD IS COMMON TO WHITE.

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

CW ROTATION - SHAFT END SHOWN TO REVERSE, CONNECT PURPLE TO YELLOW, AND YELLOW TO PURPLE.

WHITE ———— ○ ———— LINE

BLACK ———— ○ ———— LINE

PURPLE ———— □ ———— PURPLE
YELLOW ———— □ ———— YELLOW

BROWN ———— ○ ————

BROWN/WHITE STRIPE ———— ○ ————

DASH	FR.	C	A
350	48Y	9.00	4.00
375	48Y	9.25	4.25

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

	DRAWN SP 01-07-2009	
	CHK NB 01-07-2009	
	APPD SP 01-07-2009	
	SCALE 3=8	
	REF SS73918	
	FMF 07-2426	
PREV		

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RFP 01-07-2009

DIST WP

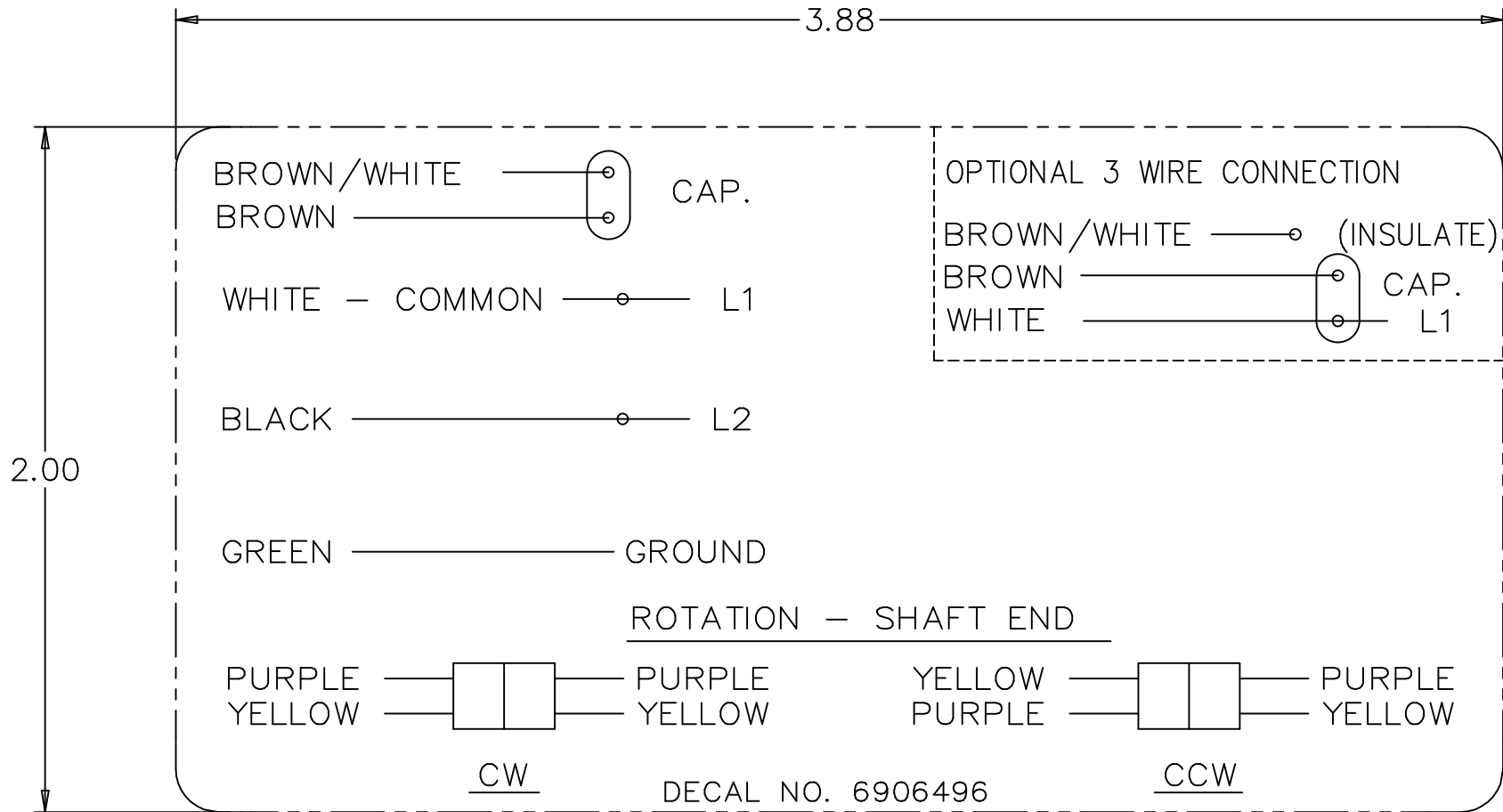
CAD FILE SS403800

SIZE

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SS403800



				TOLERANCES UNLESS SPECIFIED		REGAL-BELOIT 	DRAWN MRB 04-16-1998			
				DEC.	INCHES		CHK	ML	04-22-1998	
4	ADDED DIM. TO DECAL	RDH 09/22/2003	ML	.X	±.1	TITLE CONNECTION DECAL	APPD	GK	04-22-1998	
3	REMOVED 'MARATHON ELECTRIC' CN 35106	DRS 05-01-2002	TOM	.XX	±.02		SCALE	1=1		
2	PART NAME WAS CONNECTION DIAGRAM CN 25669	MRB 04-23-1998		.XXX	±.005		REF			
1	NEW DRAWING CN 25669	MRB 04-22-1998		.XXXX	±.0005	MAT'L.	FMM			
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV			
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			DIST WP				A	6906496		4

CERTIFICATION DATA SHEET

Model#: 48A1101046 F **WINDING#:** PE4861103 NONE 1
CONN. DIAGRAM: 6906496 **ASSEMBLY:** F1 ONLY
OUTLINE: A-SS403800-350

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/6	0.13	1200	1075	48Y	OPAO	C	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115	2.9	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 50.5	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	1.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
- LB-FT	5.2	3.95 LB-FT -	17.5 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	RESILIENT RINGS	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 4.00 IN SEF WITH 3.75 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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 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.