

PRODUCT INFORMATION PACKET

marathon[®]
Motors

Model No: 048A11O1770
Catalog No: X455
3/4,1075,OPAO,48Y,1/60/575
Condenser Fans



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REGAL



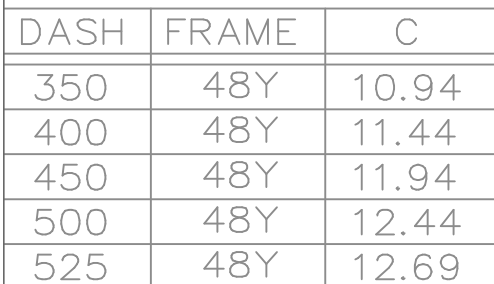
Nameplate Specifications

Output HP	0.75 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	575 V
Current	1.7 A	Speed	1075 rpm
Service Factor	1	Phase	1
Efficiency	66 %	Duty	CONTINUOUS
Insulation Class	B	Design Code	NO DESIGN CODE
KVA Code	B	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 1 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	12.44 in	Shaft Diameter	0.5 in
Shaft Extension	6.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-SS73949-500	Connection Diagram	6906496

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2 BROWN CAPACITOR LEADS W/.25
FLAG TYPE QUICK CONNECTS 30.00" LONG
BROWN W/WHITE MARK IS COMMON TO WHITE LEAD

REVERSING LEADS ARE MOLDED INTO MATING PULL APART PLUGS. ONE PURPLE AND ONE YELLOW PER PLUG. 5.0 LONG

WHITE LINE
BLACK LINE
PURPLE PURPLE
YELLOW YELLOW
BROWN
BROWN / WHITE MARK

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

					TOLERANCES UNLESS SPECIFIED	
					DEC.	INCHES
5	UPDATED DRAWING	TJW 04/02/2007		.X	±.1	
4	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML	.XX	±.03	
3	REMOVED CONDUIT BOX, LEADS WERE 36.00-39.00	MRB 09-14-1995		.XXX	±.005	
	LONG. - REDRAWN ON CADD CN 21154			.XXXX	±.0005	
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	



TITLE	OUTLINE
48Y	FR.

MAT'L.	
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FINISH

DRAWN MRB 09-13-1995

CHK	DA 09-14-1995
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APPD GK 09-14-1995

SCALE	7=16
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REF

FMF

PREV

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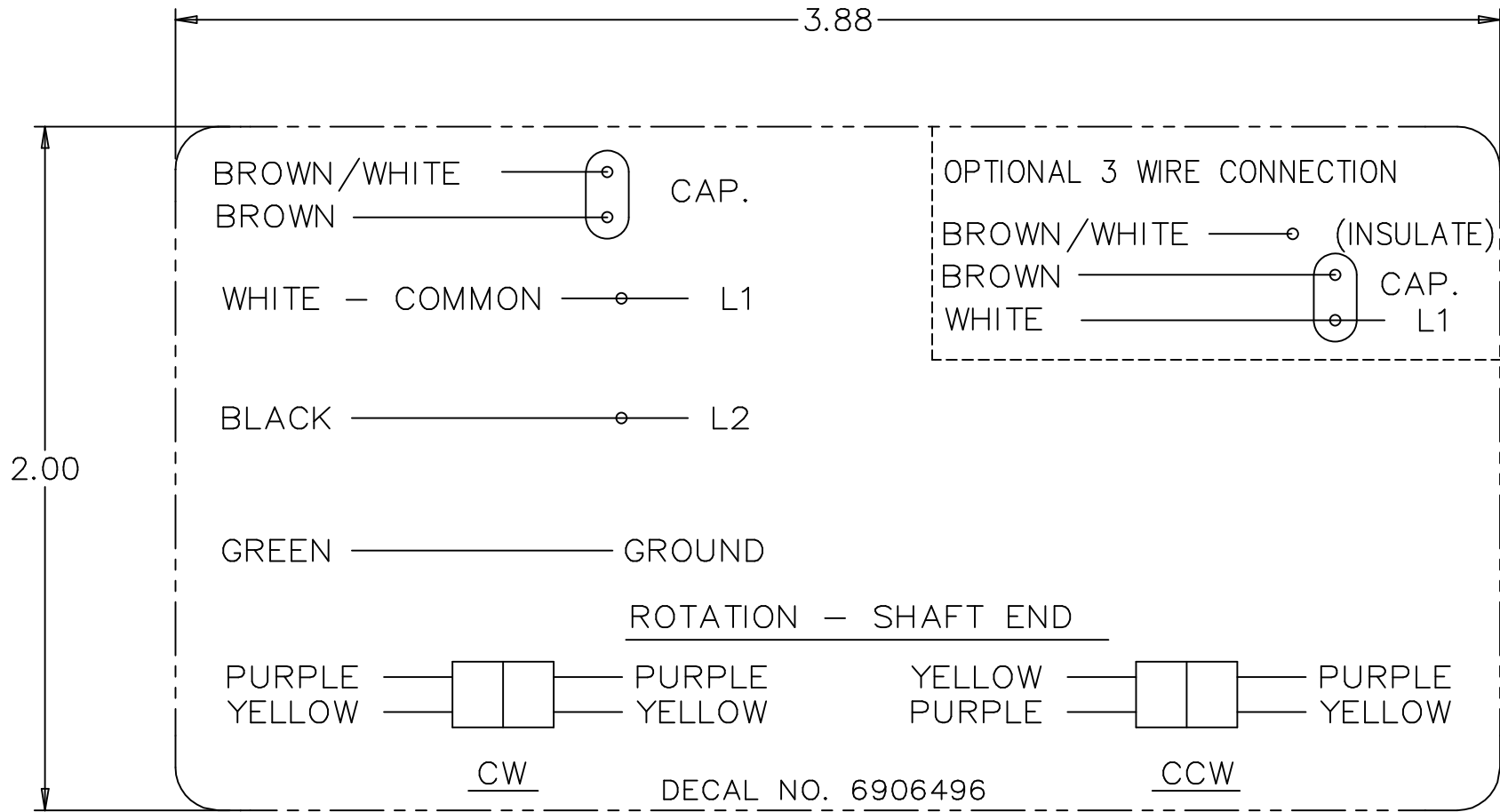
RFP

DIST	WP
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CAD FILE ss73949

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

CERTIFICATION DATA SHEET

Model#: 48A1101770 D **WINDING#:** PE4861852 NONE 5
CONN. DIAGRAM: 6906496 **ASSEMBLY:** F1 ONLY
OUTLINE: A-SS73949-500

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3/4	.56	1200	1075	48Y	OPAO	B	NO DESIGN CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	575	1.7	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: -	3/4 LOAD EFF: 59.1	1/2 LOAD EFF: 48.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: -	3/4 LOAD PF: 97.6	1/2 LOAD PF: 94.7	-20	PSC 1 SPEED	.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
55.8 LB-FT	4.2	27.7 LB-FT -	91.4 LB-FT -	0

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
- dBA	- dBA	0 LB-FT^2	- LB-FT^2	- SEC.	-	0 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	MULTEMP SRL	SGL SPL EXT	0.500 x 6.00 WITH 5.50 DBL FULL FLATS	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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