

PRODUCT INFORMATION PACKET



Model No: 048A11O1771

Catalog No: X453

Condenser Fan Motor, 0.50 HP, 1 Ph, 60 Hz, 575 V, 1200 RPM, 48Y Frame, OAO



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Nameplate Specifications

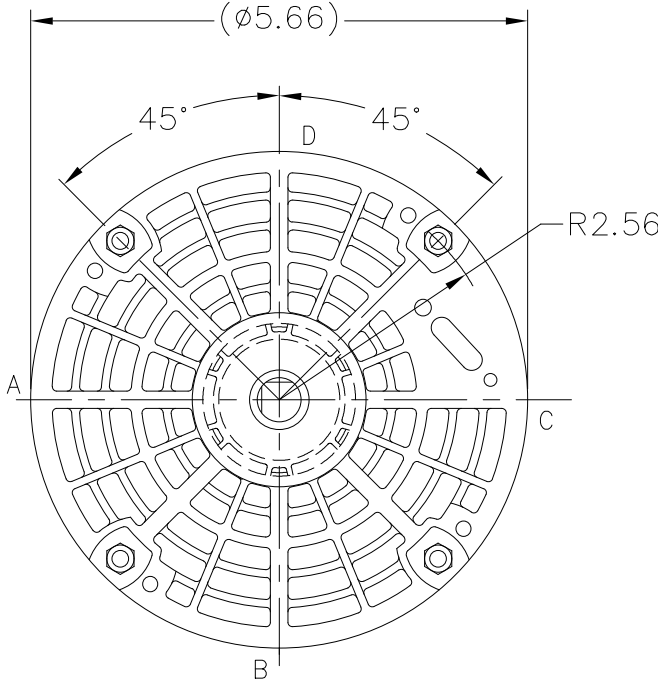
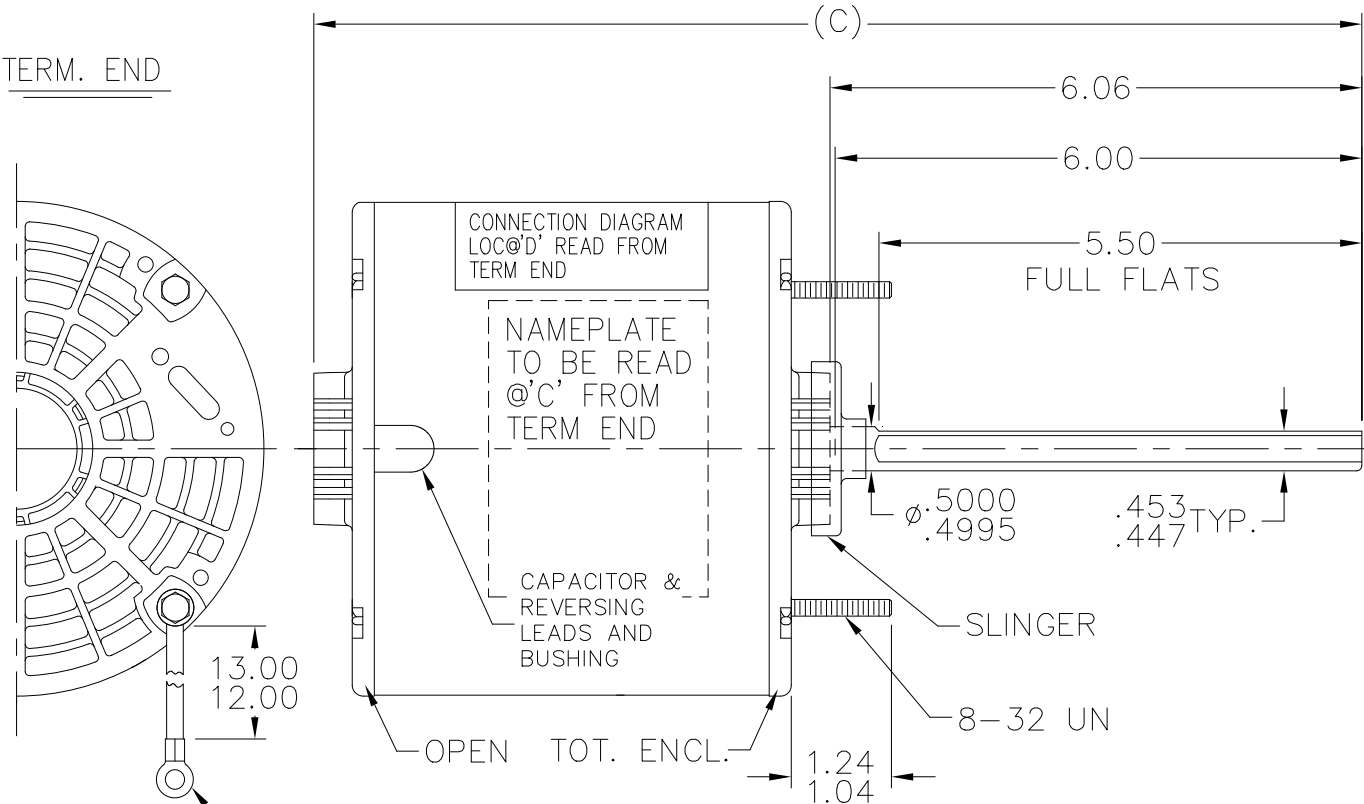
Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	575 V
Speed	1075 rpm	Service Factor	1
Frame	48Y	Enclosure	Open Air Over
Thermal Protection	Automatic	Efficiency	64 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	1.2 A	Power Factor	96.5
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	01
Number of Speeds	1		

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Round - Extended Studs
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	11.94 in
Frame Length	4.50 in	Shaft Diameter	0.500 in
Shaft Extension	6.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-SS73949-450	Connection Drawing	6906496

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TERM. END

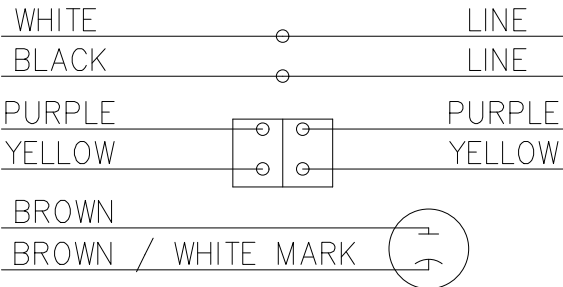


1 GREEN GRD.
W/TERM FOR
#10 SCREW

LEAD DESCRIPTION:
1 WHITE & 1 BLACK WITH .50 BARE
WIRE STRIP 30.00" LONG.

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



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

DASH	FRAME	C
350	48Y	10.94
400	48Y	11.44
450	48Y	11.94
500	48Y	12.44
525	48Y	12.69

NO.	REVISION	BY & DATE	CHK	ANG	TOLERANCES UNLESS SPECIFIED	
					DEC.	INCHES
6	CHG FROM MARATHON TO RRX TEMPLATE PER ECR-0233452	MD 4/30/24	DS			
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	

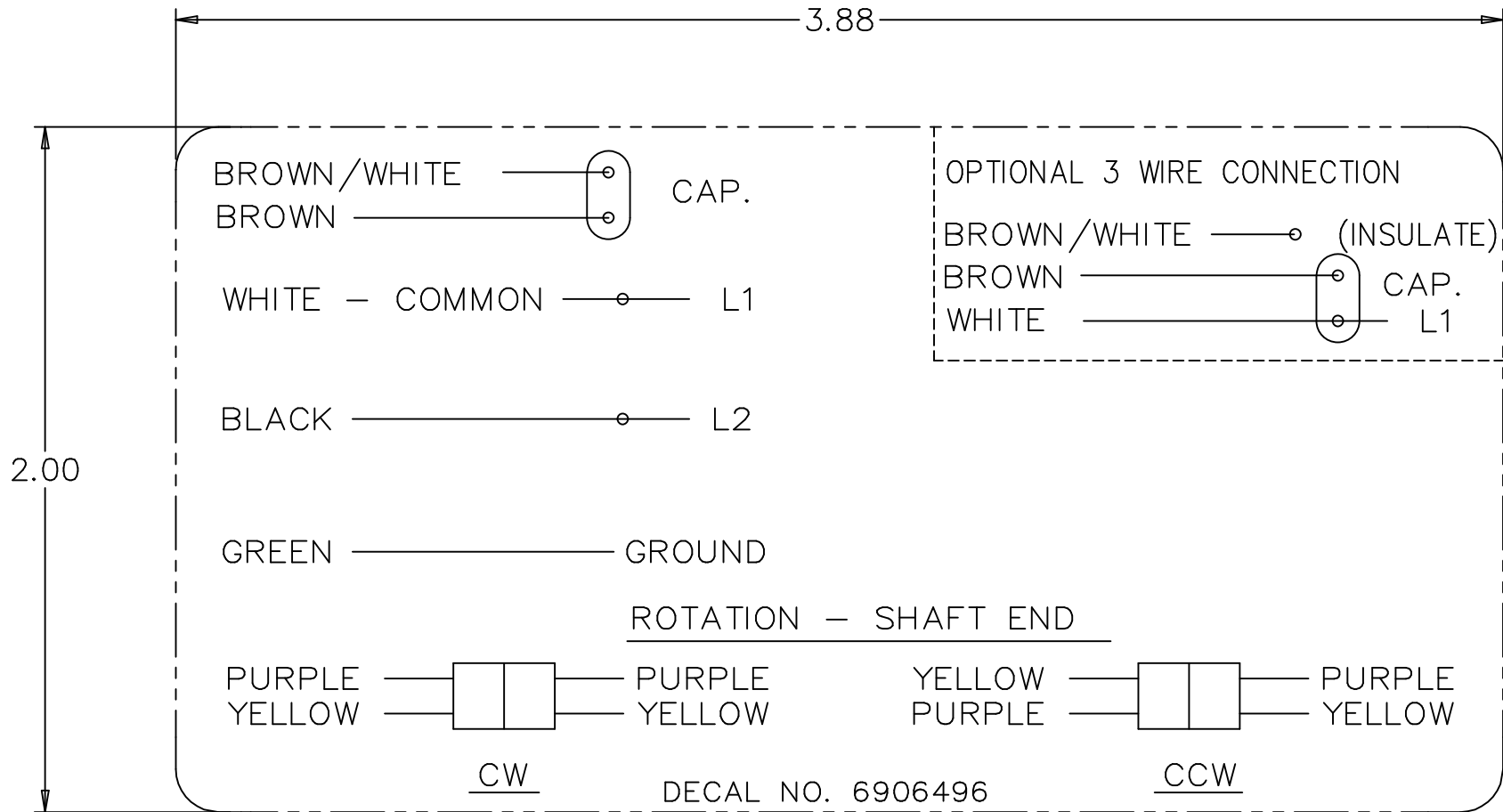
Regal Rexnord Regal Beloit America, Inc.		DRAWN MRB 09-13-1995	
		CHK DA 09-14-1995	
TITLE OUTLINE 48Y FR.		APPD GK 09-14-1995	
MAT'L.		SCALE 7=16	
FINISH		REF	
		FMF	
		PREV	

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RFP
DIST WP

CAD FILE ss73949

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REV. 6



			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		
3	REMOVED 'MARATHON ELECTRIC' CN 35106	DRS 05-01-2002	TOM	.XX	±.02			
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#: 48A1101771 E
 CONN. DIAGRAM: 6906496
 OUTLINE: A-SS73949-450

WINDING#: PE4861853 NONE 5
 ASSEMBLY: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

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

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	575	1.15	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300

FULL LOAD EFF: 64.0	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	.6

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
37 LB-FT	3.3	10 LB-FT -	69 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	ROUND-EXTENDED STUDS	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	BEACON 325	SGL SPL EXT	0.500 x 6.00 WITH 5.50 DBL FULL FLATS	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

If Inverter equals NONE, contact factory for further information

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N
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E
S
*

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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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

Volts

 HP 0.50

 PHASE 1

 Model No 48A11O1771
60

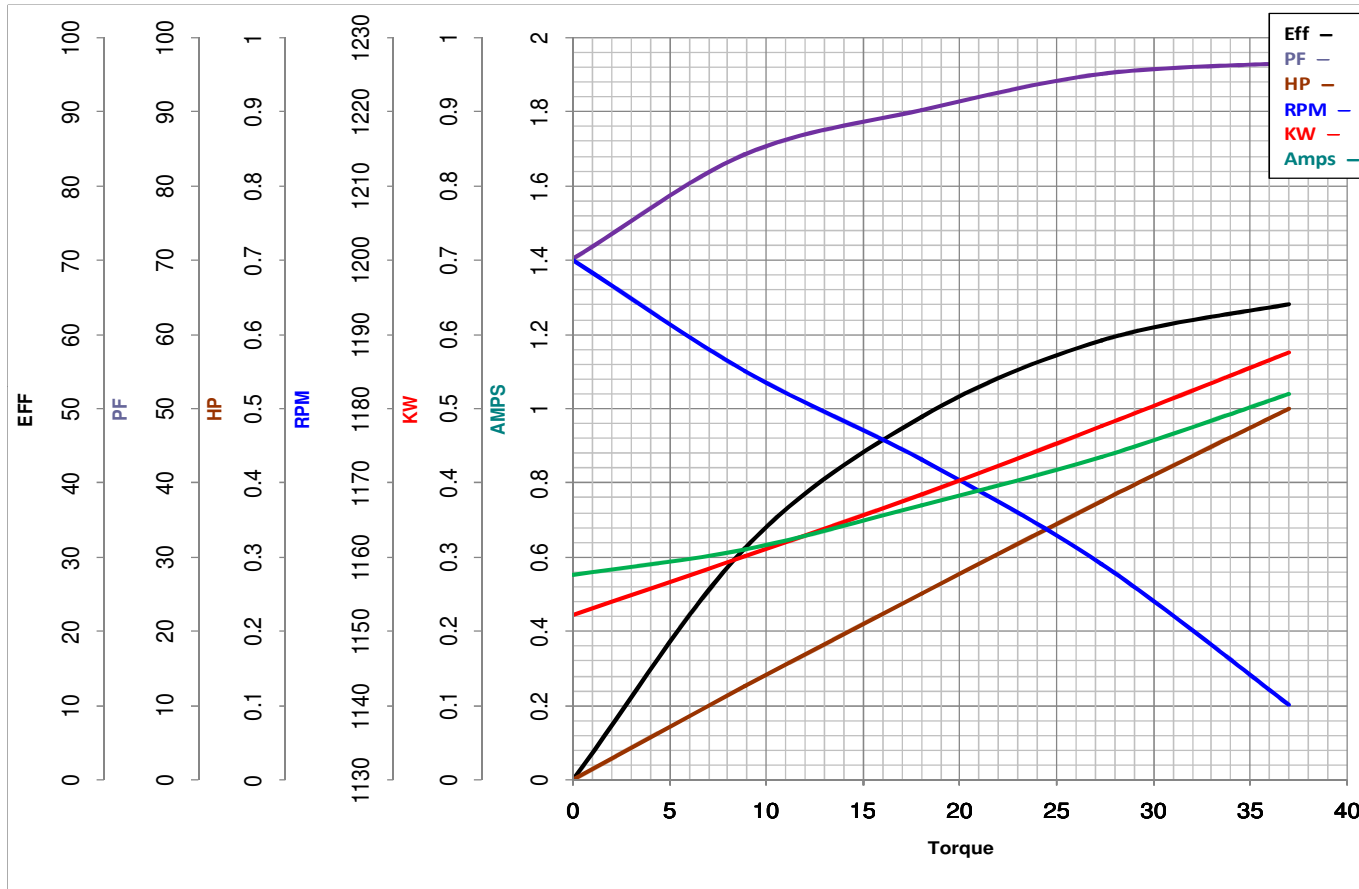
HZ

 VOLTS 575
0.5

HP

 Catalog No X453

 HZ 60

 RPM 1075


Torque in Oz.Ft

 FL TORQUE 37 Oz.Ft

 BD TORQUE 69.0 Oz.Ft

 LR TORQUE 10 Oz.Ft

 FL AMPS 1.15

 PU TORQUE 17.6 Oz.Ft

 LR AMPS 3.3

WINDING PE4861853-5

Date 1/4/2019