

# PRODUCT INFORMATION PACKET

Model No: 048A8O181  
Catalog No: X098  
1/2,825,OPEN,48Y,1/60/208-230  
Condenser Fans



Regal and Marathon are trademarks of Regal Beloit Corporation or one of its affiliated companies.  
©2018 Regal Beloit Corporation, All Rights Reserved. MC017097E



**Nameplate Specifications**

Output HP	<b>0.50 Hp</b>	Output KW	<b>0.37 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>208-230 V</b>
Current	<b>3.3-3.3 A</b>	Speed	<b>825 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Efficiency	<b>62 %</b>	Duty	<b>Continuous</b>
Insulation Class	<b>B</b>	Design Code	<b>NO DESIGN CODE</b>
KVA Code	<b>A</b>	Frame	<b>48Z</b>
Enclosure	<b>Open Air Over</b>	Overload Protector	<b>Automatic Lock Rotor Only</b>
Ambient Temperature	<b>40 °C</b>	Drive End Bearing Size	<b>6203</b>
Opp Drive End Bearing Size	<b>6203</b>	UL	<b>Recognized</b>
CSA	<b>Y</b>	CE	<b>N</b>
IP Code	<b>01</b>		

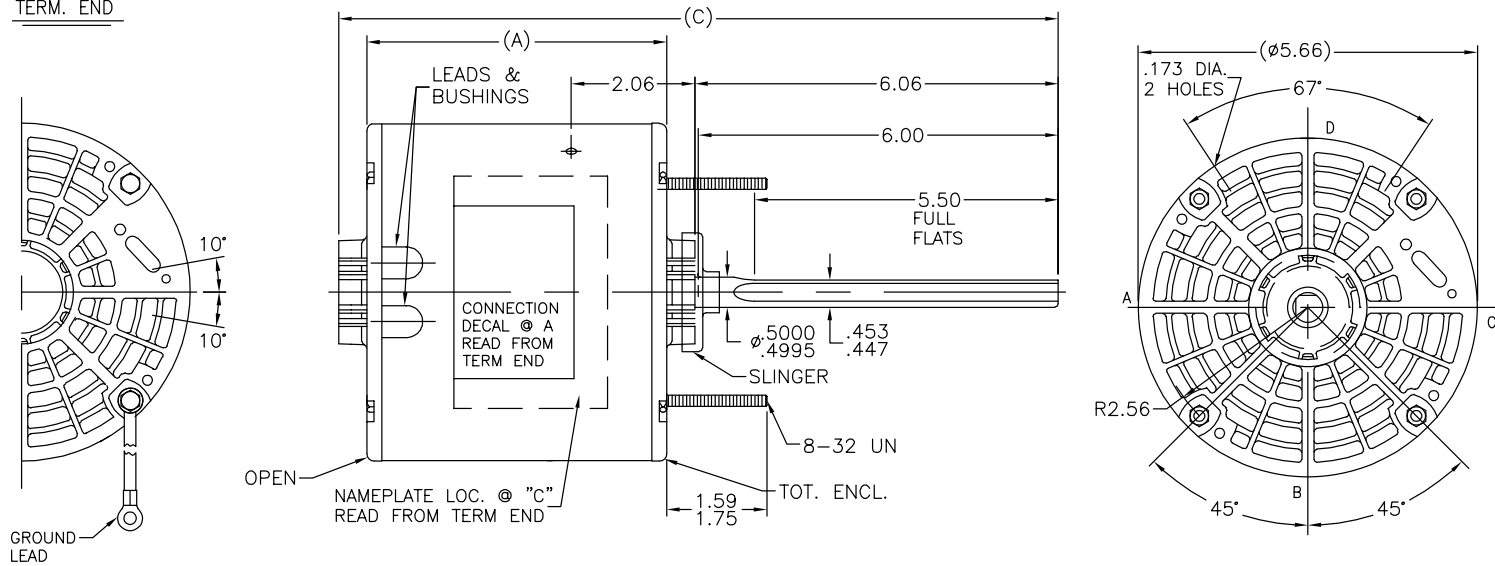
**Technical Specifications**

Electrical Type	<b>Permanent Split Capacitor</b>	Starting Method	<b>Across The Line</b>
Poles	<b>8</b>	Rotation	<b>Selective Counterclockwise</b>
Mounting	<b>Round - Extended Studs</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Ball</b>	Opp Drive End Bearing	<b>Ball</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>Single Special Extension</b>
Overall Length	<b>12.44 in</b>	Frame Length	<b>5.00 in</b>
Shaft Diameter	<b>0.500 in</b>	Shaft Extension	<b>6.06 in</b>
Assembly/Box Mounting	<b>F1 Only</b>		
Outline Drawing	<b>A-SS73901-500</b>	Connection Diagram	<b>6906496</b>

**This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 10/08/2018**

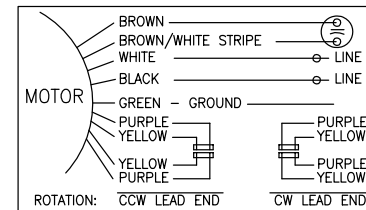
SS73901

TERM. END



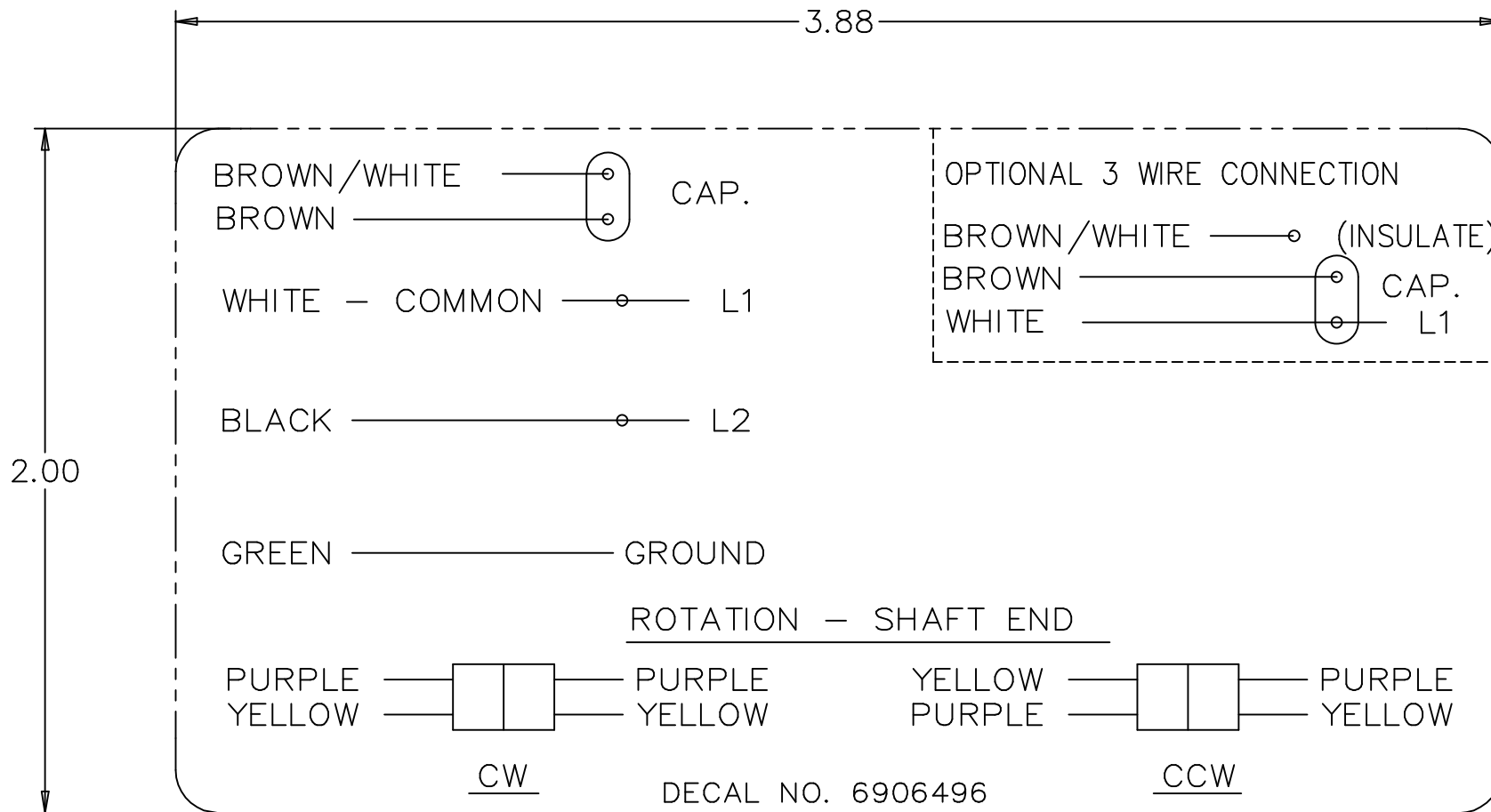
LEAD DESCRIPTION:


- 1 BLACK, AND 1 WHITE LEAD WITH .50 BARE WIRE STRIP 30.00" LONG.
- 2 BROWN CAPACITOR LEADS WITH .25 FLAG-TYPE QUICK CONNECTS 30.00" LONG BROWN WITH WHITE MARK IS COMMON TO WHITE LEAD.
- REVERSING LEADS ARE MOLDED INTO MATING PULL APART PLUGS 1 PURPLE, AND 1 YELLOW PER PLUG 5.00" LONG.
- GROUND LEAD WITH TERM. FOR #10 SCREW 12.00" LONG.



DASH	FRAME	C	A
375	48Y	11.19	4.25
400	48Y	11.44	4.50
450	48Y	11.94	5.00
475	48Y	12.19	5.25
500	48Y	12.44	5.50

NO.	REVISION	BY & DATE	CHK	ANG	FINISH	TOLERANCES UNLESS SPECIFIED		DRAWN RM 03-17-1992			
						DEC.	INCHES				
8	UPDATED DRAWING	TJW 03/30/2007						CHK ML 03-17-1992			
7	REDRAWN IN AUTOCAD	TAT 07-22-2004	ML	.X	±.1			APPD GK 03-17-1992			
6	REVISED LEAD LENGTHS	CN 21148 BLR 09-28-1995		.XX	±.03	TITLE	OUTLINE	SCALE 3=8			
5	STUD EXT. WAS 1.71/1.58	CN 6402 RM 08-31-1992		.XXX	±.005			REF			
4	REDRAWN AND UPDATED AN CADD	RM 03-17-1992		.XXXX	±.0005	MAT'L.		FMF			
					±7'30"			PREV			
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT						RFP	CAD FILE ss73901	SIZE A	DRAWING NO. SS73901	PAGE OF 8	REV. 8



				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.	FMF		
NO.	REVISION	BY & DATE	CHK	ANG	±7'30"	FINISH	PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT			RFP	CAD FILE 6906496		SIZE	DRAWING NO.	PAGE OF	REV.
			DIST	WP	A		6906496		4

**CERTIFICATION DATA SHEET**

**Model#:** 48A80181 H                      **WINDING#:** PE488258 NONE 2  
**CONN. DIAGRAM:** 6906496                      **ASSEMBLY:** F1 ONLY  
**OUTLINE:** A-SS73901-500

**TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN		
1/2	.37	900	825	48Z	OPAO	A	NO DESIGN CODE		
PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	208-230	3.3-3.3	ACROSS THE LINE	CONTINUOUS	B3	1.0	40	3300
FULL LOAD EFF: 62.0	3/4 LOAD EFF: 57	1/2 LOAD EFF: 46.5	GTD. EFF		ELEC. TYPE		NO LOAD AMPS		
			0		PSC 1 SPEED		2		
F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE		F.L. RISE°C				
50.2 LB-FT	6.6	18.5 LB-FT 0	67.5 LB-FT 0		-				
SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT			
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	0 SEC.	0	18 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	POLYREX EM	SGL SPL EXT	0.500 x 6.00 IN SEF WITH 5.50 IN DOUBLE FULL FLAT	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

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

\*  
N  
O  
T  
E  
S  
\*

\*\* Subject to change without notice.