# PRODUCT INFORMATION PACKET



Model No: 048A17O153
Catalog No: X016
0.50 HP 3 speed Fan and Blower HVAC/R Motor, 1 phase, 1800 RPM, 115 V, 48Z Frame, OPAO Direct Drive Motors





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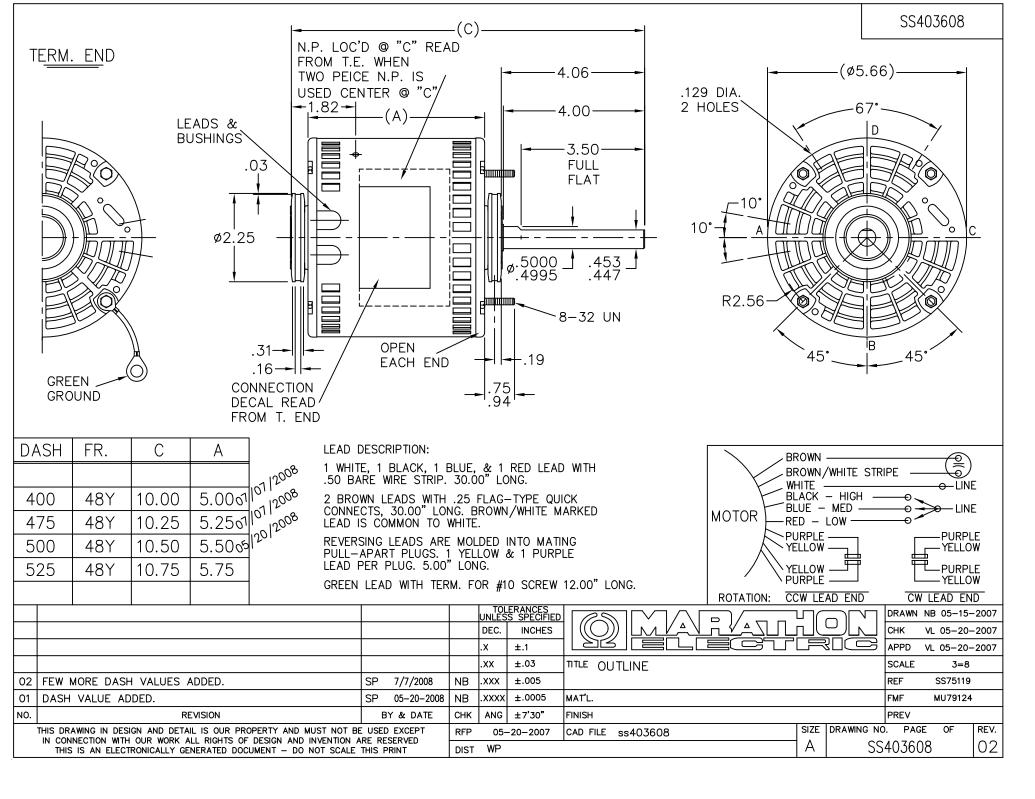
### Nameplate Specifications

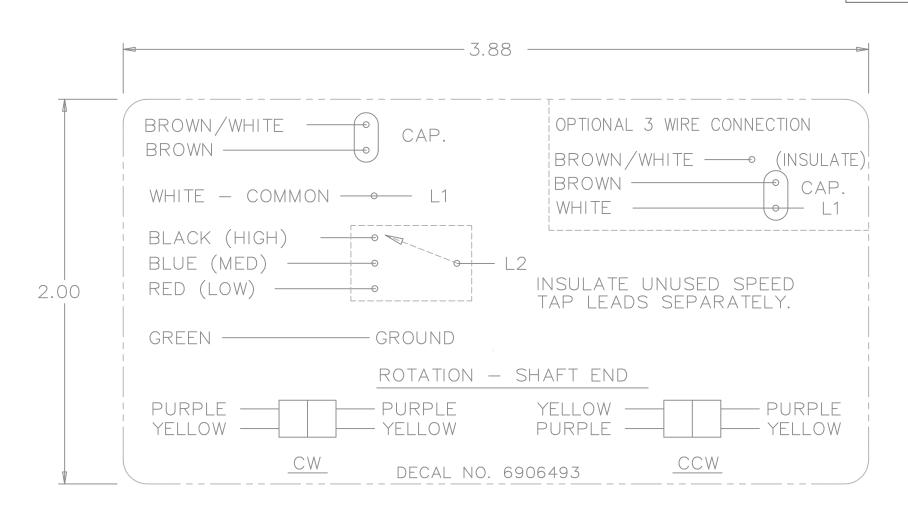
Output HP	0.50 Hp	Output KW	0.37 kW	
Frequency	60 Hz	Voltage	115 V	
Current	7.4 A	Speed	1625 rpm	
Service Factor	1	Phase	1	
Efficiency	71.7 %	Power Factor	92.9	
Duty	Continuous	Insulation Class	В	
Design Code	NO DESIGN CODE	KVA Code	С	
Frame	48Z	Enclosure	Open Air Over	
Thermal Protection	Automatic Lock Rotor Only	Ambient Temperature	40 °C	
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203	
UL	Recognized	CSA	Υ	
CE	N	IP Code	10	

## **Technical Specifications**

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Resilient Ring - 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	10.25 in
Frame Length	4.75 in	Shaft Diameter	0.500 in
Shaft Extension	4.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-SS403608-475	Connection Drawing	6906493

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				.x	±.1	1 Tedhmo	ologies	APPD	GK 04-22-	-1998
3	REMOVED 'MARATHON ELECTRIC' CN 35106	DRS 05-01-2002	ТОМ	.xx	±	TITLE CONNECTION DECAL		SCALE	1=1	
2	PART NAME WAS CONNECTION DIAGRAM CN 25669	MRB 04-25-1998		.xxx	±.005			REF		
1	NEW DRAWING CN 25669	MRB 04-22-1998		.xxxx	±.0005	MAT'L.		FMF		
NO	REVISION	BY & DATE	СНК	ANG	±	FINISH				
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#### **CERTIFICATION DATA SHEET**

**Model#:** 48A17O153 E **WINDING#:** PE484236 NONE 1

CONN. DIAGRAM: 6906493 ASSEMBLY: F1 ONLY

**OUTLINE**: A-SS403608-475

#### **TYPICAL MOTOR PERFORMANCE DATA**

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	.37	1800	1625	48Z	OPAO	С	NO DESIGN
							CODE

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
1	60	115	7.4	ACROSS THE	CONTINUOU	B3	1.0	40	3300
				LINE	s				

FULL LOAD EFF: 71.7	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 3 SPEED	1.8

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C	
24.6 LB-FT	17.7	8.72 LB-FT -	41.2 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 RING- EXTENDED	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY (POWDER)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	BEACON 325	SGL SPL EXT	0.500 x 4.00 IN	NONE	1144	ROLLED STEEL
6203	6203			SEF WITH 3.50 IN		STRESSPROOF	
0200	0200			FULL FLAT		(C-223)	

	THERMO-PR	OTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	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

> DATE: 06/28/2017 01:19:38 AM FORM 3531 REV.3 02/07/99

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