

PRODUCT INFORMATION PACKET



Model No: 9704

Catalog No: 9704

Fan and Blower Motor, 1/8 HP, 1 Ph, 60 Hz, 115/208-230 V, 1550 RPM, 1 Speed, 48 Frame,
SEMI ENCLOSED



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Nameplate Specifications

Output HP	1/8 Hp	Output KW	0.10 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	2.7/1.2-1.4 A	Speed	1550 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Counterclockwise Lead End
Mounting	Resilient Rings	Motor Orientation	Any
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	9.11 in	Frame Length	3.63 in
Shaft Diameter	0.500 in	Shaft Extension	4.5 in
Outline Drawing	9704-S01	Connection Drawing	614131-323

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GENERAL INFORMATION:

SHAFT RUNOUT: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION.

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

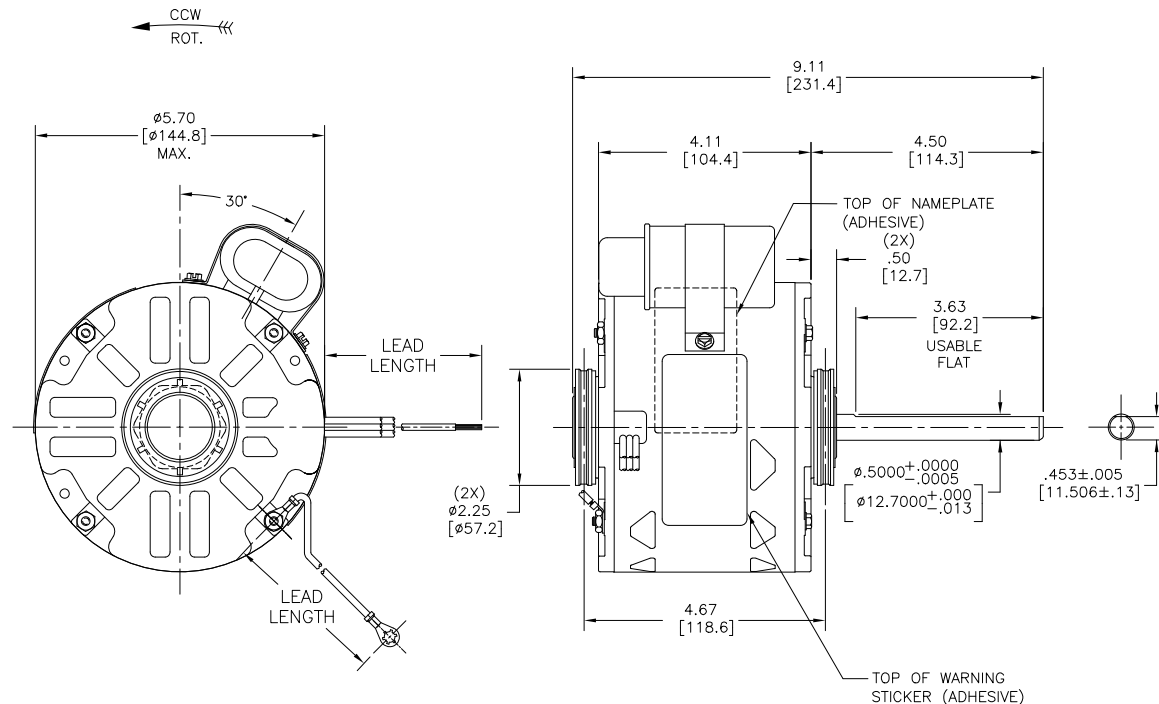
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 304)

LEADS: NO. 18 GA., .06 [1.5] THK., PVC 105° INSULATION

GROUND LEAD: NO. 18 GA., .03 [.8] THK., (GREEN) INSULATION

NOTE:
1. DISTRIBUTION PART NUMBER: 9704
GRAINGER PART NUMBER: 4UU84



NAMEPLATE DATA: SEE NOTE 1

MODEL NO.: F48V81A01
CUST. P/N: []
HP: 1/8
ROT.: CCWLE
RPM: 1550
TYPE: UF
FRAME: 48Y
VOLTS: 115/208-230
PH: 1
AMPS: 2.7/1.2-1.4
HZ: 60/50
INS.: B
AMB.: 40° C
DUTY: AIR OVER
CAP.: 4 MFD/370V
ENCL: SEMI-ENCL
UL LOGO
CSA LOGO
THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM

BROWN BRN/WHT SEP.CAP.
YELLOW
WHITE
ORANGE
BLACK
BLUE
PURPLE

115V LINE

BROWN BRN/WHT SEP.CAP.
YELLOW
WHITE
ORANGE
BLACK
BLUE
PURPLE

230V LINE

GREEN(GRD)	11.0/13.0 [279/330]	#10 EYELET
BROWN	CONNECTED TO CAPACITOR	.25 [6.4] FLAG
BROWN/WHITE	CONNECTED TO CAPACITOR	.25 [6.4] FLAG
YELLOW	11.0/13.0 [279/330]	.50 [12.7] SKIN
WHITE	11.0/13.0 [279/330]	.50 [12.7] SKIN
ORANGE	11.0/13.0 [279/330]	.50 [12.7] SKIN
BLACK	11.0/13.0 [279/330]	.50 [12.7] SKIN
BLUE	11.0/13.0 [279/330]	.50 [12.7] SKIN
PURPLE	11.0/13.0 [279/330]	.50 [12.7] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

MAIN FRAME - OLE	SEMI-ENCL.
END FRAME - OLE	OPEN
MAIN FRAME - LE	SEMI-ENCL.
END FRAME - LE	OPEN

CUSTOMER	DISTRIBUTION SERVICE
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PERFORMANCE CURVE NO.	TORQUE @ 1550 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C32408	11.0 OZ. FT.	0442805A	FILE # E46412	CCN # PRGY2
			FILE # LR43341	CLASS # 4211-01

DRAWING REVISION

REVISION BY	DATE
ECO	11-04-02022
APPROVED BY	
DATE	11-04-2022
ECO DESCRIPTION	
CHANGED TO BALL BEARING	

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ENCLOSURE

DRAWN BY: J. RUPERT
DATE: 11-06-2015
APPROVED BY: J. RUPERT
DATE: 11-06-2015

THIRD ANGLE PROJECTION

REGAL-BELOIT CORPORATION, Inc.

DESCRIPTION: MODEL-RFHP-48FR OUTLINE

MATERIAL: [] PROCESS/FINISH: []

SIZE: C DWG NO: 9704 SHEET: 1