

PRODUCT INFORMATION PACKET



Model No: FS1016
Catalog No: FS1016

Condenser Fan Motor, 1/6 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 2 Speed, 48 Frame, SEMI ENCLOSED



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Nameplate Specifications

Output HP	1/6 Hp	Output KW	0.13 kW
Frequency	60 Hz	Voltage	208-230 V
Current	0.90 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Any
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	10.80 in	Frame Length	3.25 in
Shaft Diameter	0.500 in	Shaft Extension	6.4 in
Connection Drawing	614131-109	Outline Drawing	FS1016-S01

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GENERAL INFORMATION:

SHAFT RUNOUT: .001[.025] T.I.R. PER INCH[mm] LENGTH OF EXTENSION

BEARINGS: BALL

MOUNTING POSITION: VERTICAL SHAFT-UP OR HORIZONTAL

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LEADS: NO. 18 GA., .06[1.52] THK. 105°C INSUL.

REVERSING LEADS: NO. 18 GA., .03[.76] THK. 125°C INSUL.

GROUND LEAD: NO. 18 GA., .03[.76] THK. (GREEN) INSUL.

NOTE:
1. DISTRIBUTION: CUST. P/N:FS1016
GRAINGER: CUST. P/N: 4MB49

NAMEPLATE DATA :

MODEL NO.: F48SE6L7
CUST. P/N: []
HP: 1/6

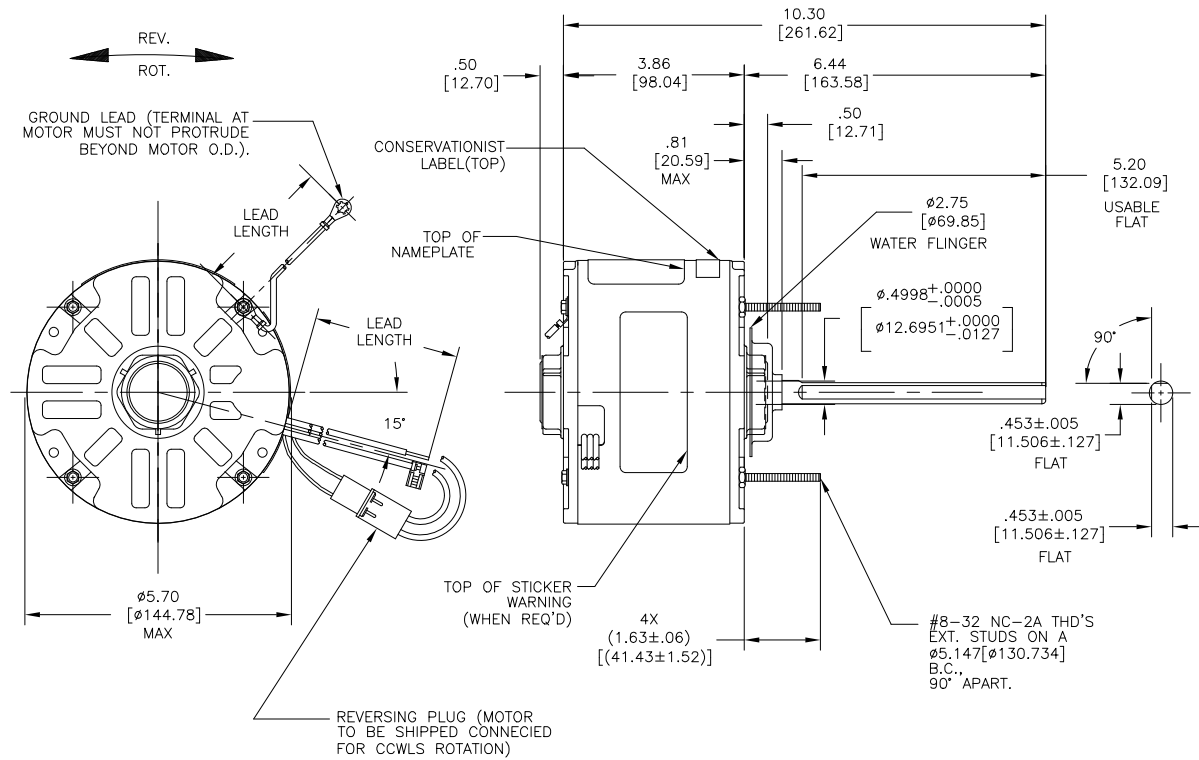
ROT: REVERSIBLE
RPM: 1075/2 SPD
TYPE: UF
FRAME: 48Y
VOLTS: 208-230
PH: 1
AMPS: 0.9 (1.1 MAX.)
HZ: 60
INS: B
AMB: 60°C
DUTY: AIR OVER
CAP.: 5 MFD/370V
ENCL: SEMI-ENCL.
CSA LOGO
UL LOGO
THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM

BROWN SEP. CAP.
BROWN/W
YELLOW
BLACK HI
RED LO
ROTATION
BLACK WHITE
WHITE CCWLE
BLACK CWLE
WHITE BLACK

614131-109

PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE #	GUIDE#	FILE #	GUIDE #
C22801	15.9 OZ. FT.	EX11126	E46412	PRGY2	LR43341	260-0-0



GREEN(GRD)	12/13 [305/330]	#10 EYELET
BLACK/WHITE	3/5 [76/127]	REVERSING PLUG
BROWN/WHITE TRACER(CAP)	26/28 [660/711]	.25[6.35] FLAG
BROWN(CAP)	26/28 [660/711]	.25[6.35] FLAG
YELLOW	26/28 [660/711]	.50[12.70] SKIN
BLACK	26/28 [660/711]	.50[12.70] SKIN
RED	26/28 [660/711]	.50[12.70] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH
LEAD DATA		

REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

MAIN FR.-OLE	ENCLOSED
END FR.-OLE	ENCLOSED
MAIN FR.-LE	ENCLOSED
END FR.-LE	OPEN

CUST.	DISTRIBUTION SERVICE
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DRAWING REVISION

BY	REVISION BY	DATE
ECO	TRISK	11-11-2022
NMR-0217500	APPROVED BY	DATE
ECO DESCRIPTION	KEP	11-11-2022
STB CHANGE		

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DRAWN BY: C.ZHOU

DATE: 10-23-2015

APPROVED BY: C.ZHANG

DATE: 10-23-2015

REFERENCE: 11948-008

THIRD ANGLE PROJECTION

REGAL-BELOIT America, Inc.

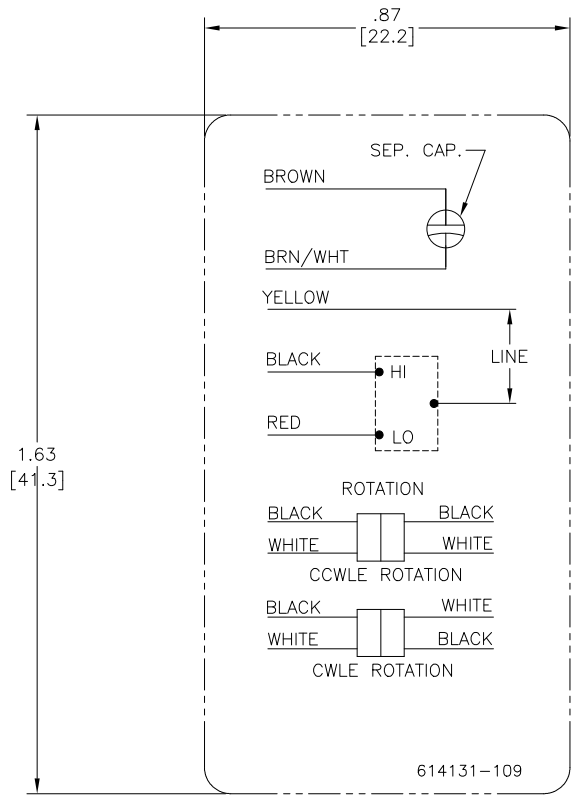
MODEL-RFHP-48FR OUTLINE

MATERIAL: -

SIZE: C

DWG NO: FS1016

SHEET: 1



NOTES:

1. FOR USE WITH 614129 NAMEPLATE BLANK
2. ———— INDICATES DIMENSION LIMITS
3. DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION
4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

DRAWING REVISION		REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED			DRAWN BY:	 Regal Beloit America, Inc.	
ECO		J. RUPERT	08-24-2021	DEC.	INCH	mm	ANGLE		
NMR-0210151		J. RUPERT	08-24-2021	.X	±0.1	[±2.5]	±0.5°	CZ	
ECO DESCRIPTION				.XX	±0.02	[±0.51]		11-20-2009	
REVISED FOR UP ISSUE				.XXX	±0.005	[±0.127]		APPROVED BY:	
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				REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381] X 45°				DATE:	
				CORNER FILLETS R.02 [51]				11-20-2009*	
				MACHINED SURFACES				REFERENCE	
				mm SHOWN IN [BRACKETS]				MATERIAL	PROCESS/FINISH
				THIRD ANGLE PROJECTION				SIZE DWG NO	SHEET
								C	614131-109
									1



Specification & Rating Report

Item Number: **FS1016**

Specification Number: **1**

Model Number: **F48SE6L7**

Carton Label Model
Number:

Customer Model
Number:

Sample Number:

Customer Specification
Number:

Catalog Number: **FS1016**

Agency Type:

CE: **N**

CSA: **Y**

UL: **Y**

CE Number:

CSA Number: **NO**

UL Number: **NO**

UL Explosion Proof Rating:

Cubic Feet Per Minute:

F2 Assembly:

UPC Model Number:

UPC Catalog Number: **786674021212**

Nameplate Drive
Bearing Type:

Nameplate Opposite
Drive Bearing Type:

Label Drive Bearing **BALL**
Type:

Label Opposite Drive **BALL**
Bearing Type:

Capacitor:

Capacitor Rating MFD: **5**

Capacitor Included: **N**

Capacitor Rating VAC: **370**

Control Code:

DC Design Number:

Form Factor:

Design Status:

Features:

Connection Diagram:

Lubrication Label
Diagram:

Outline Diagram: **FS1016-S01**

Installation Diagram:

Warning Label
Diagram:

Outline Graphic: **38A**

Ambient Temperature: **60**

Insulation Class: **B**



Specification & Rating Report

Protector: AUTOMATIC	Thermal Protection:
Nameplate Overload:	Label Overload:
IP Code:	
Nameplate Enclosure: SEMI ENCL	Label Enclosure: SEMI ENCL
Frame Length: 3.25	Frame Length UOM:
Frame Diameter:	Frame Diameter UOM:
Frame Size: 48Y	
Frame Material: ROLLED STEEL	End Frame Material:
Operator Instruction Manual:	
Nameplate Mounting:	Label Mounting: EXT STUDS
Base Height:	Base Height UOM:
Ring Diameter:	RingDiameterUOM:
Nameplate:	Carton Label:
Nameplate Location L Format:	
Brake:	Tachometer:
Layer Quantity:	Pallet Quantity:
Phase: 1	CurrentType:
DC Pole:	
Poles: 6	
Speeds: 2	
Duty: AIR OVER	
Shaft Diameter: 1/2	Shaft Diameter UOM: IN
Shaft Extension: 6.4	Shaft Extension UOM: IN
Shaft Material:	Rotation: REVERSIBLE
Shaft Type: DBL FLAT	
Motor Type: UF	
Motor Use:	
Nameplate 1:	
Nameplate 2:	
Nameplate Text 1:	



Specification & Rating Report

Nameplate Text 2:

Nameplate Text 3:

Nameplate Text 4:

Label Text 1: **PERMANENT**
SPLIT
CAPACITOR

Label Text 2:

Label Text 3: **CONSERVATIONIST TM**
CONDENSER
FAN MOTOR

Label Text 4:

Brand Line:

Vendor Line:

Motor Weight:

Shipping Weight:

Armature Field Winding:

Core Length:

Winding Code:

Nameplate Only Instructions:

Nameplate & Label Instructions:

Label Only Instructions:

Motor Weight UOM:

Shipping Weight UOM:

Core Length UOM:

Winding Specification:



Specification & Rating Report

Rating Number: **1**

Horsepower: **1/6**

Volts: **208-230**

Hertz: **60**

Field Current:

Revolutions Per **1075/2 SPD.**
Minute:

Service Factor: **1.0**

Service Factor Amps:

NEMA Code:

NEMA Design:

Customer Nameplate Number:

Kilowatts:

Amps: **0.90**

Maximum Amps: **1.1**

Armature Current:

Power Factor:

Service Factor Volts:

NEMA Nominal Efficiency: **61.6**

NEMA Guaranteed Efficiency: