

PRODUCT INFORMATION PACKET



Model No: FS1037S

Catalog No: FS1037S

Condenser Fan Motor, 1/3 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame, SEMI ENCLOSED



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Nameplate Specifications

Output HP	1/3 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	208-230 V
Current	2.4 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	1

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	11.18 in	Frame Length	3.63 in
Shaft Diameter	0.500 in	Shaft Extension	6.5 in
Outline Drawing	FS1037S-S01	Connection Drawing	614131-115

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GENERAL INFORMATION:

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

END PLAY: .010 TO .063 [.25 TO 1.60]

BEARINGS: SLEEVE

MOUNTING POSITION: HORIZONTAL OR VERTICAL SHAFT-UP

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 034)

LINE LEADS: NO. 18 GA., .03 [.8] THK. 125°C INSUL.

REVERSING LEADS: NO. 18 GA., .03 [.8] THK. 125°C INSUL.

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

NAMEPLATE DATA:

MODEL NO.: F48SH6L1
CUST. P/N: FS1037S
HP: 1/3
ROT.: REVERSIBLE
RPM: 1075
TYPE: UF
FRAME: 48Y
VOLTS: 208-230
PH: 1
AMPS: 2.4
HZ: 60
INS.: B
AMB.: 60°C
DUTY: AIR OVER
CAP.: 5 MFD/370 V
ENCL: SEMI-ENCL.
UL LOGO
CSA LOGO
THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM

SEP. CAP.

BROWN

BRN/WHT

YELLOW

BLACK

LINE

ROTATION

BLACK

WHITE

CCWLE

WHITE

BLACK

WHITE

CWLE

614131-115

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
C22792	36.3 OZ. FT.	EX11144	FILE #	CCN #	FILE #	CLASS #
			E46412	PRGY2	LR43341	4211-01

REV. ROT.

GROUND LEAD (TERMINAL AT MOTOR MUST NOT PROTRUDE BEYOND MOTOR O.D.)

TOP OF NAMEPLATE

LEAD LENGTH

15°

REVERSING PLUG (MOTOR TO BE SHIPPED CONNECTED FOR CCWLE ROTATION)

NOTES:
1. MOUNTING RING 1014B28H03 (2 REQ'D.) TO BE PACKED WITH MOTOR

10.68 [271.3]

4.24 [107.7]

6.44 [163.6]

.50 [12.7]

.50 [12.7]

.81 [20.6] MAX.

TOP OF STICKER CONSERVATIONIST

TOP OF WARNING STICKER (WHEN REQ'D)

5.20 [132.1]

USABLE FLAT

90°±2°

Ø.4998^{+.0000}_{-.0005}

Ø12.695^{+.000}_{-.013}

.453±.005 [11.51±.13] FLAT

.453±.005 [11.51±.13] FLAT

Ø2.75 [Ø69.9]

WATER FLINGER

4X1.53±.06 [38.9±1.5]

#8-32 NC-2A THD'S EXT. STUDS ON A Ø5.147[Ø130.73] B.C. 90° APART

LEAD DATA

COLOR	LENGTH	TERMINAL OR STRIP LENGTH
BLACK	26.0/28.0 [660/711]	.50 [12.7] SKIN
YELLOW	26.0/28.0 [660/711]	.50 [12.7] SKIN
BROWN	26.0/28.0 [660/711]	.25 [6.35] FLAG
BROWN/WHITE	26.0/28.0 [660/711]	.25 [6.35] FLAG
BLACK/WHITE	4.0/6.0 [102/152]	REVERSING PLUG
GREEN (GROUND)	12.0/13.0 [305/330]	#10 EYELET

ENCLOSURE

END FRAME - LE	OPEN
MAIN FRAME - LE	ENCLOSED
END FRAME - OLE	ENCLOSED
MAIN FRAME - OLE	ENCLOSED

CUSTOMER

DISTRIBUTION SERVICE

DRAWING REVISION: A
ECO-0041020
ECO DESCRIPTION
CHANGE AMPS

REVISION BY: J. COX
APPROVED BY: C. McREYNOLDS
DATE: 11-20-2013
DATE: 11-20-2013

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DRAWN BY: RP
DATE: 10-19-2006
APPROVED BY:
DATE:

PROCESS/FINISH
THIRD ANGLE PROJECTION

REGAL™
Regal Beloit America, Inc.

DESCRIPTION
MODEL-RFHP-48FR
OUTLINE

MATERIAL
-

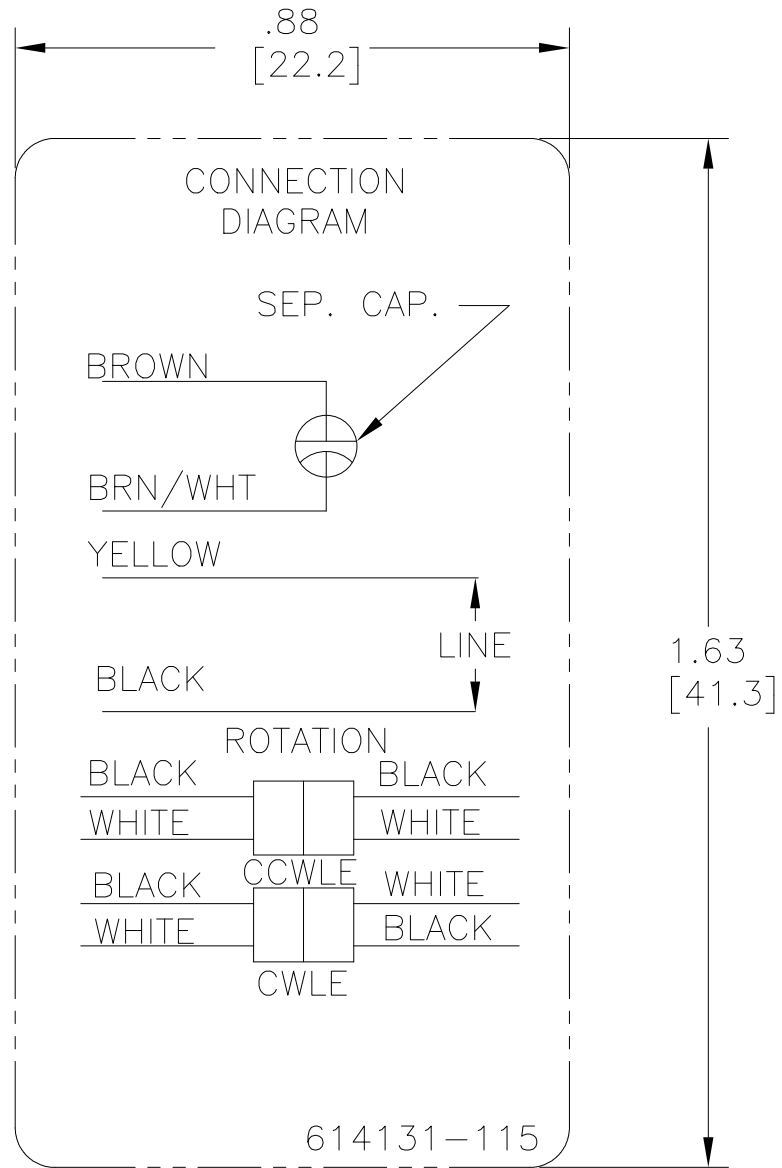
SIZE DWG NO
C FS1037S

SHEET
1

3 of 4

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			TOLERANCES UNLESS OTHERWISE SPECIFIED			DRAWN BY:			REGAL™ Regal Beloit America, Inc.		
REVISION BY	DATE		DEC.	INCH	mm	ANGLE	J. RUPERT				
D	09-09-2021		.X	±0.1	[±2.5]	±0.5°	DATE:	06-24-2010	DESCRIPTION		
ECO	APPROVED BY	DATE	.XX	±0.02	[±0.51]		APPROVED BY:				
NMR-0210333	J. RUPERT	09-09-2021	.XXX	±0.005	[±0.127]		T. RILEY		CONN DIAGRAM EXTERNAL		
ECO DESCRIPTION			.XXXX	±0.0005	[±0.0127]		DATE:	06-24-2010			
REVISED FOR UP ISSUE			REMOVE BURRS & BREAK SHARP			REFERENCE			MATERIAL		PROCESS/FINISH
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			CORNER FILLETS R.02 [.51]								
			MACHINED SURFACES								
			mm SHOWN IN [BRACKETS]								
						THIRD ANGLE PROJECTION			SIZE		SHEET
									DWG NO		1
									A		
									4 of 4		
									614131-115		