

PRODUCT INFORMATION PACKET



Model No: RAL10156
Catalog No: RAL10156
Fan Coil & Air Conditioner Motor, 1/15 HP, 1 Ph, 60 Hz, 115 V, 1075 RPM, 3 Speed, 48 Frame,
SEMI ENCL



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Nameplate Specifications

Phase	1	Output HP	1/15 Hp
Output KW	0.05 kW	Voltage	115 V
Speed	1075 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	.63 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	3

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Counterclockwise Lead End
Mounting	Resilient Rings	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	15.25 in	Frame Length	3.00 in
Shaft Diameter	0.500 in	Shaft Extension	5.9X.5X5.9 in
Outline Drawing	RAL10156-S01	Connection Drawing	614131-229

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GENERAL INFORMATION:

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

BEARINGS: BALL

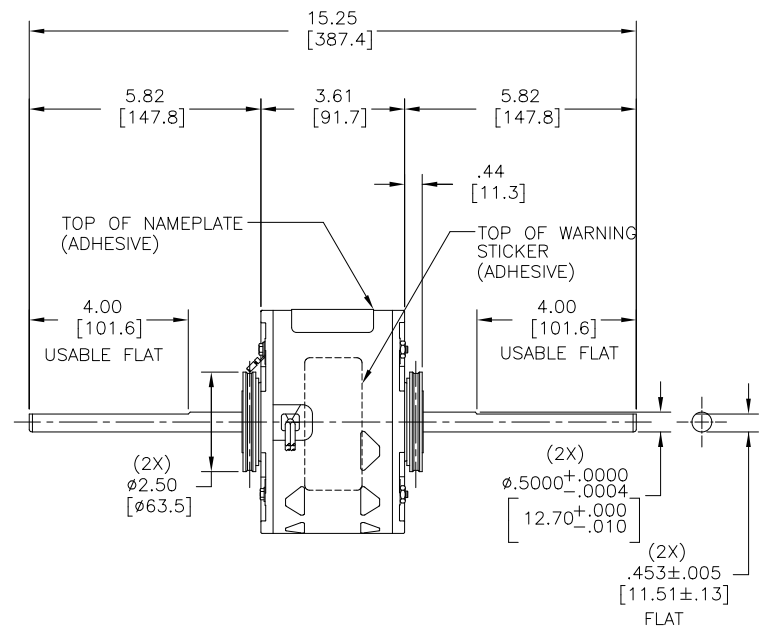
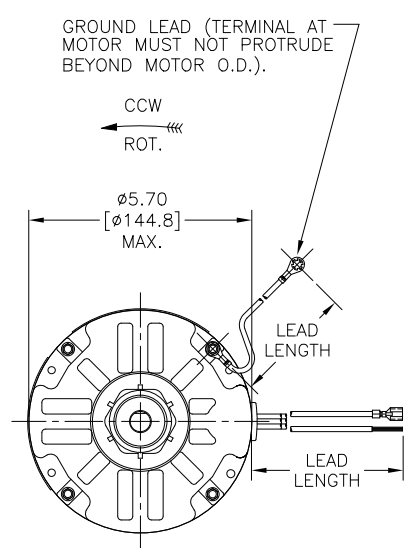
MOUNTING POSITION: HORIZONTAL

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

LEADS: NO. 18 GA., .06 [.5] THK., 105°C PVC INSUL.

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



SEE NOTE 1

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48V04A01 CUST. P/N: [] HP: 1/15 ROT.: CCWLE RPM: 1075/3 SPD TYPE: UF FRAME: 48Y VOLTS: 115 PH: 1 AMPS: 0.63 HZ: 60 INS.: B AMB.: 40°C DUTY: AIR OVER CODE: - CAP.: 3-5 MFD/370 V ENCL: SEMI-ENCLOSED CSA LOGO UL LOGO THERMALLY PROTECTED	<p>BROWN SEP. CAP.</p> <p>BRN/WHT</p> <p>PURPLE</p> <p>BLACK HI</p> <p>BLUE MED</p> <p>RED LO</p> <p>LINE</p>

614131-229

GREEN/YELLOW (GROUND)	10.0/12.0 [254/305]	#10 EYELET
BROWN/WHITE	24.0/26.0 [610/660]	.25 [6.4] FEMALE SPADE
BROWN	24.0/26.0 [610/660]	.25 [6.4] FEMALE SPADE
PURPLE	24.0/26.0 [610/660]	.50 [12.7] SKIN
BLACK	24.0/26.0 [610/660]	.50 [12.7] SKIN
BLUE	24.0/26.0 [610/660]	.50 [12.7] SKIN
RED	24.0/26.0 [610/660]	.50 [12.7] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

NOTES:
 1. DISTRIBUTION PART NUMBER: RAL10156
 GRAINGER PART NUMBER: 4UB73

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

PREFORMANCE CURVE NO.	TORQUE @ 1170 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT				CSA	
			FILE#	GUIDE#	FILE#	GUIDE#		
C32284	3.06 OZ. FT.	0442581B	E46412	PRGY2	LR43341	260-Ø-0		

DRAWING REVISION

REVISION BY: JA	REVISION BY: DSK	DATE: 9/25/2023
ECO: ECR-0227341	APPROVED BY: AA	DATE: 9/25/2023

ECO DESCRIPTION: UPDATED AS PER ECR-0227341

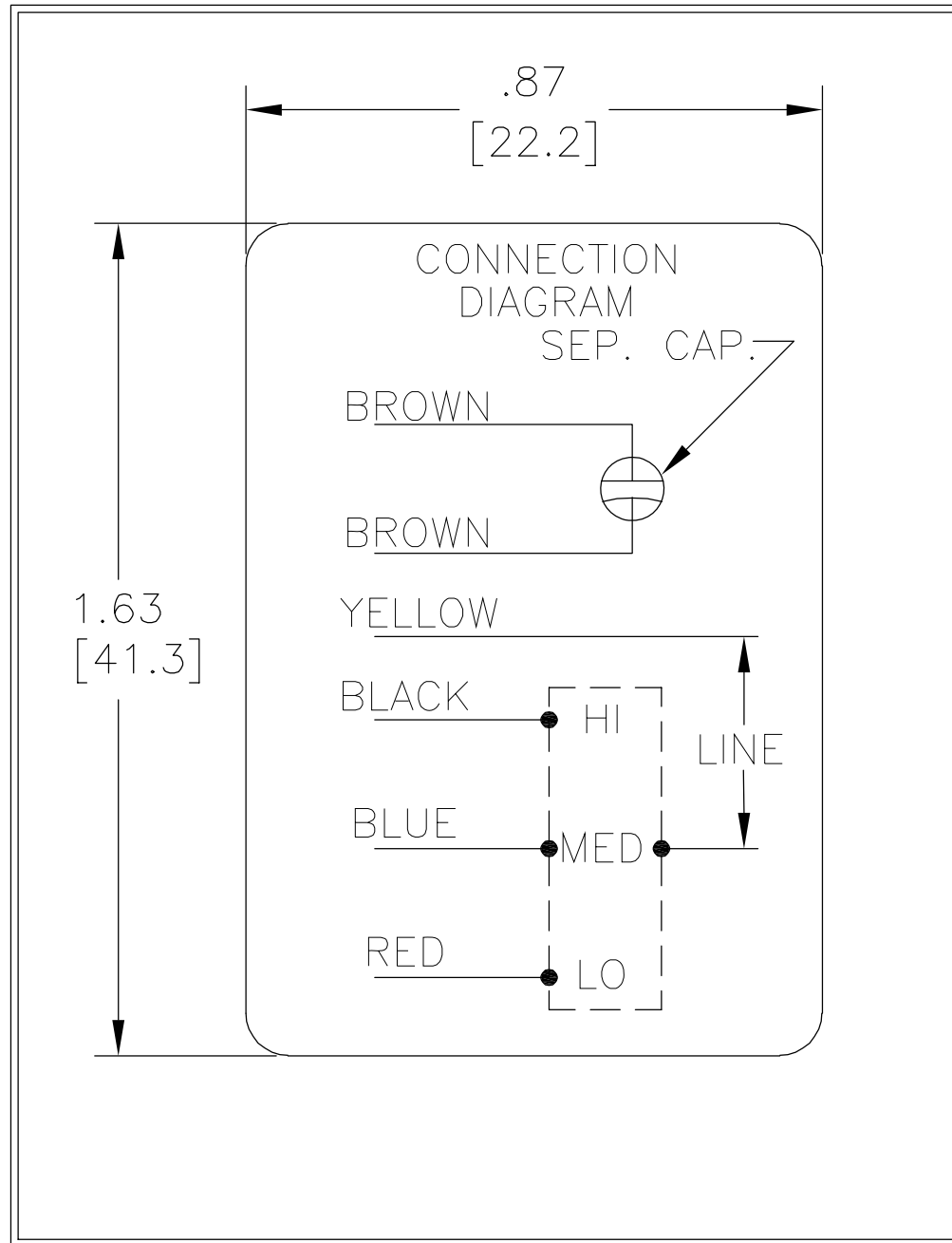
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DRAWN BY: []		ENCLOSURE	
DATE: 04-27-1992	APPROVED BY: G. PIATT	DESCRIPTION: MODEL-RFHP-48FR OUTLINE	
DATE: 08-11-2004	REFERENCE:	MATERIAL:	PROCESS/FINISH:
THIRD ANGLE PROJECTION	SIZE: C	DWG NO: RAL10156	SHEET: 1

CUSTOMER: [] DISTRIBUTION SERVICE: []

REGAL Beloit America, Inc.

REV	ECO	REV BY	DATE	APPD	DATE
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



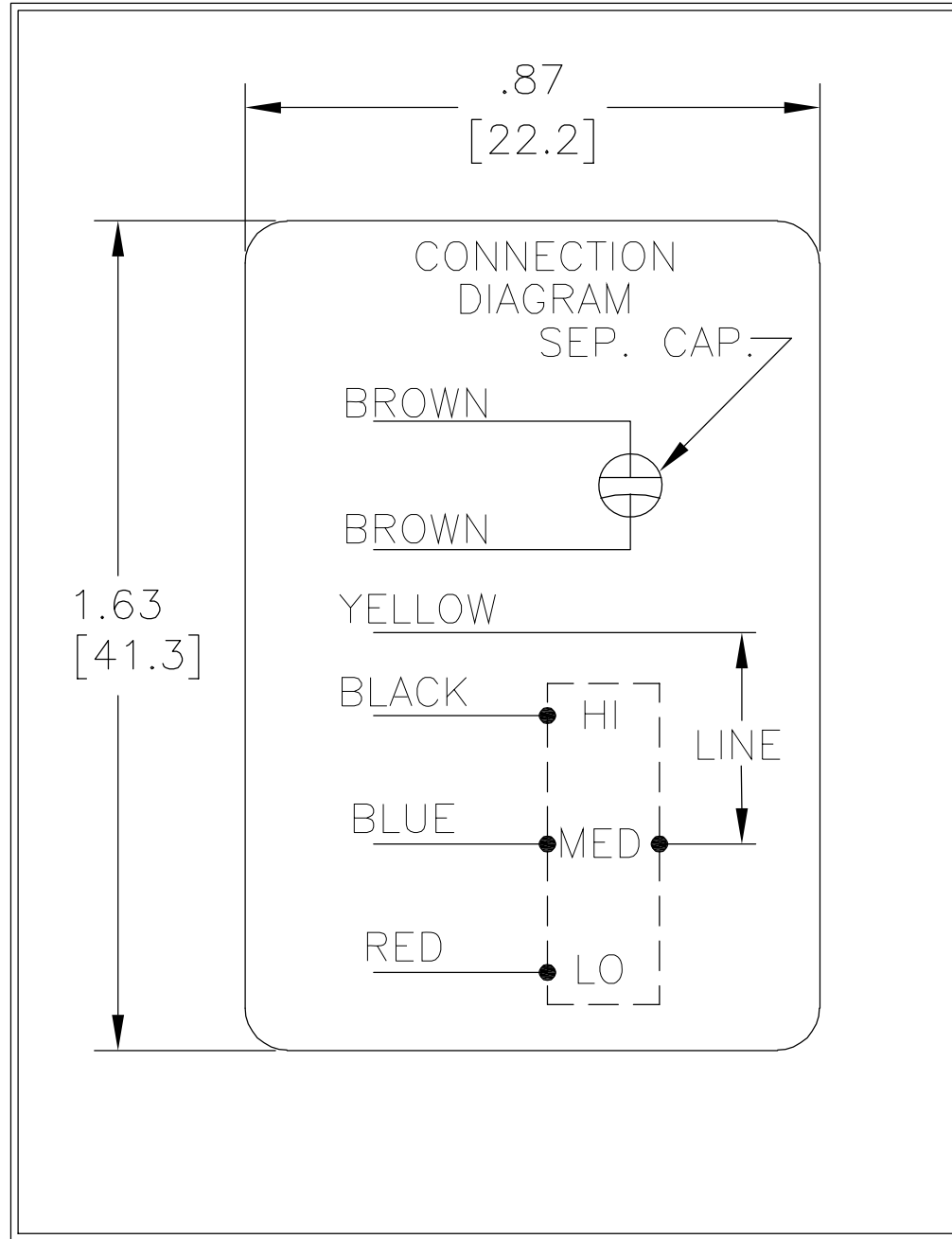
GEOMETRIC CHARACTERISTICS & SYMBOLS
 ▭ FLATNESS
 — STRAIGHTNESS
 ∠ ANGULARITY
 ⊥ PERPENDICULARITY (SQUARENESS)
 // PARALLELISM
 ○ ROUNDNESS (CIRCULARITY)
 ∅ CYLINDRICITY
 △ PROFILE OF ANY SURFACE
 ∩ PROFILE OF ANY LINE
 ↑ RUNOUT
 ⊕ TRUE POSITION
 ◎ CONCENTRICITY
 ≡ SYMMETRY

UNLESS OTHERWISE SPECIFIED
 DIM. TOLERANCES ARE AS FOLLOWS:
 INCH X XX XXX XXXX
 ±.1 ±.02 ±.005 ±.0005
 mm ±0.5 ±0.13 ±0.013
 ANG. ±.50 DEG
 REMOVE BURRS & BREAK SHARP EDGES:
 INCH .003-.015 mm 0.1-0.4
 CORNER FILLETS TO:
 INCH .020 mm 0.5
 MACHINE SURFACES:
 INCH 125 mm 3.2
 METRIC DIMS. SHOWN IN [BRACKETS]

DR BY: N.LONG 07/14/1986
 APPD:
 THIRD ANGLE PROJECTION EDS DATE 02-22-2008
 FORMAT REV F
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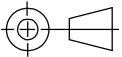
		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONN DIAGRAM-NAMEPLATE			
SIZE A	DWG NO 614131-001		
SCALE NONE			SHEET 1


REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0017050	VICTOR MIJARES	03-01-2011	C CONTRERAS	03-01-2011



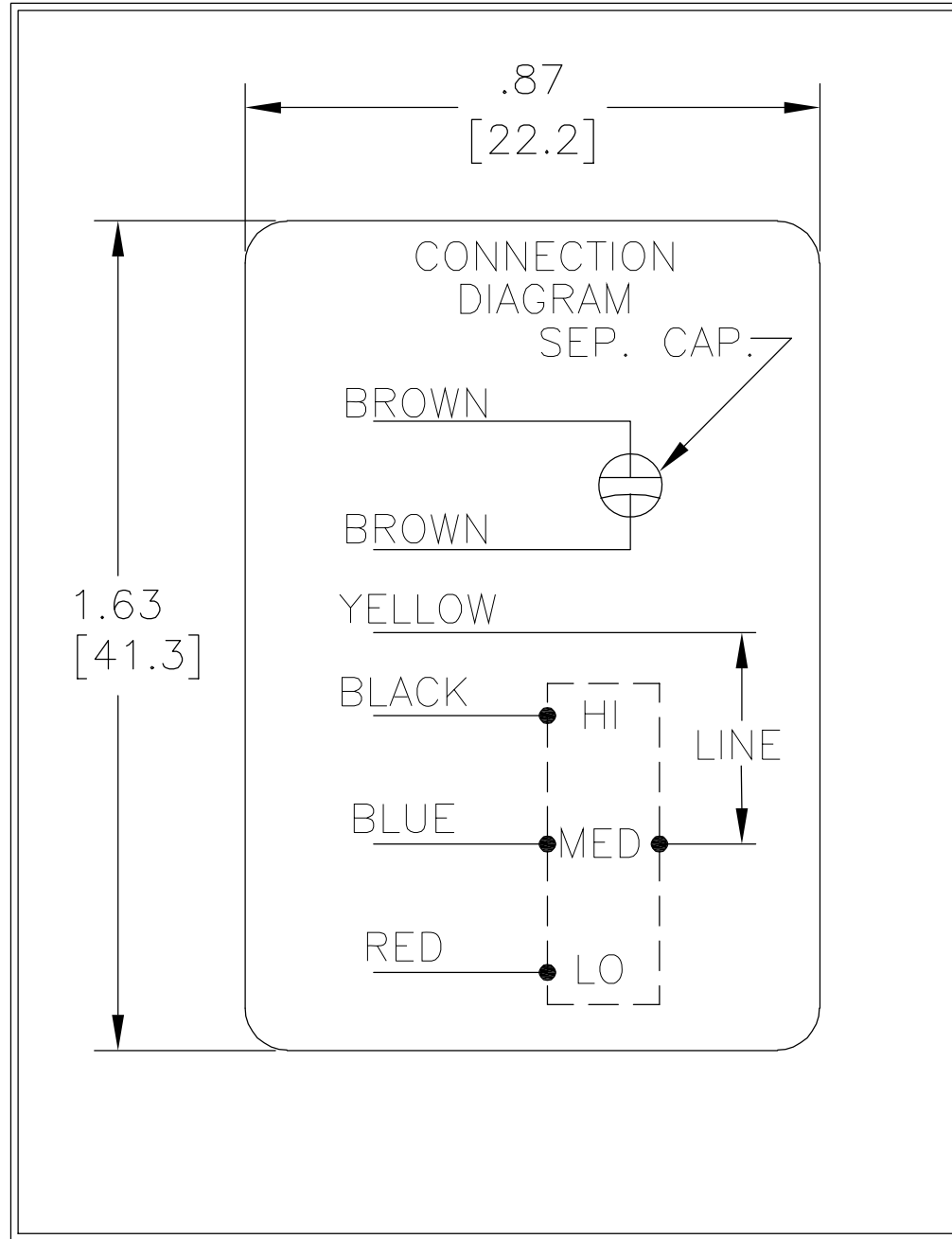
CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS
 ▯ PLANICIDAD
 — RECTITUD
 < ANGULARIDAD
 ⊥ PERPENDICULARIDAD (A ESCUADRA)
 // PARALELISMO
 ○ REDONDEZ (CIRCULARIDAD)
 ∅ CILINDRICIDAD
 △ PERFIL DE CUALQUIER SUPERFICIE
 ∩ PERFIL DE CUALQUIER LINEA
 ↑ VARIACION
 ⊕ POSICION REAL
 ⊙ CONCENTRICIDAD
 ≡ SIMETRIA

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:
 X XX XXX XXXX
 PULG ±.1 ±.02 ±.005 ±.0005
 mm ±0.5 ±0.13 ±0.013
 ANG. ±.50 GRADOS
 ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.
 PULG .003-.015 mm 0.1-0.4
 FILETEAR ESQUINA: PULG .020 mm 0.5
 MAQUINAR SUPERFICIES
 PULG 125 mm 3.2
 DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: N.LONG 07/14/1986
 APROBADO POR:
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 REV. FORMATO: F
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TAMAÑO: A	NUMERO DE DIBUJO: 614131-001
ESCALA:NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
A	0017050	VICTOR MIJARES	03-01-2011	CCONTRERAS	03-01-2011



- 形位公差
- 平面度
- 直线度
- ∠ 倾斜度
- ⊥ 垂直度
- // 平行度
- 圆度
- ∅ 圆柱度
- △ 面轮廓度
- ∩ 线轮廓度
- ↗ 圆跳动
- ⊕ 位置度
- ◎ 同轴度
- ≡ 对称度

除另有注明
尺寸公差如下:

	X	XX	XXX	XXXX
英寸	±.1	±.02	±.005	±.0005
毫米	±0.5	±0.13	±0.013	
角度	±.50 度			
清理毛刺和尖棱				
英寸	.003-.015	毫米	0.1-0.4	
内圆角				
英寸	.020	毫米	0.5	
表面粗糙度				
英制	125	米制	3.2	

米制尺寸显示在 []

绘图:	N.LONG	07/14/1986
批准:		
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名称 CONN DIAGRAM-NAMEPLATE			
图幅	A	图号	614131-001
比例	NONE	页号	1