

PRODUCT INFORMATION PACKET



Model No: RAL1076

Catalog No: RAL1076

3/4 HP Fan Coil / Room Air Conditioner Motor, 1075 RPM, 3 Speed, 115 Volts, 48 Frame, Semi Enclosed
Fan Coil / Room Air Conditioner Motors



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The REGAL logo consists of the word 'REGAL' in a bold, white, sans-serif font, set within a dark grey, trapezoidal shape that tapers to the right. This logo is positioned on a vertical blue gradient bar with a halftone dot pattern that runs down the right side of the page.

REGAL



Nameplate Specifications

Output HP	3/4 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	115 V
Current	8.2 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	A
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N		

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Counterclockwise Lead End
Mounting	Resilient Ring/Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	20.00 in	Frame Length	4.75 in
Shaft Diameter	0.500 in	Shaft Extension	7.4X.5X7.3 in
Connection Drawing	614131-106	Outline Drawing	11773-035

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11773-035

GENERAL INFORMATION:

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

END PLAY: .010 TO .063

BEARINGS: SLEEVE

MOUNTING POSITION: HORIZONTAL

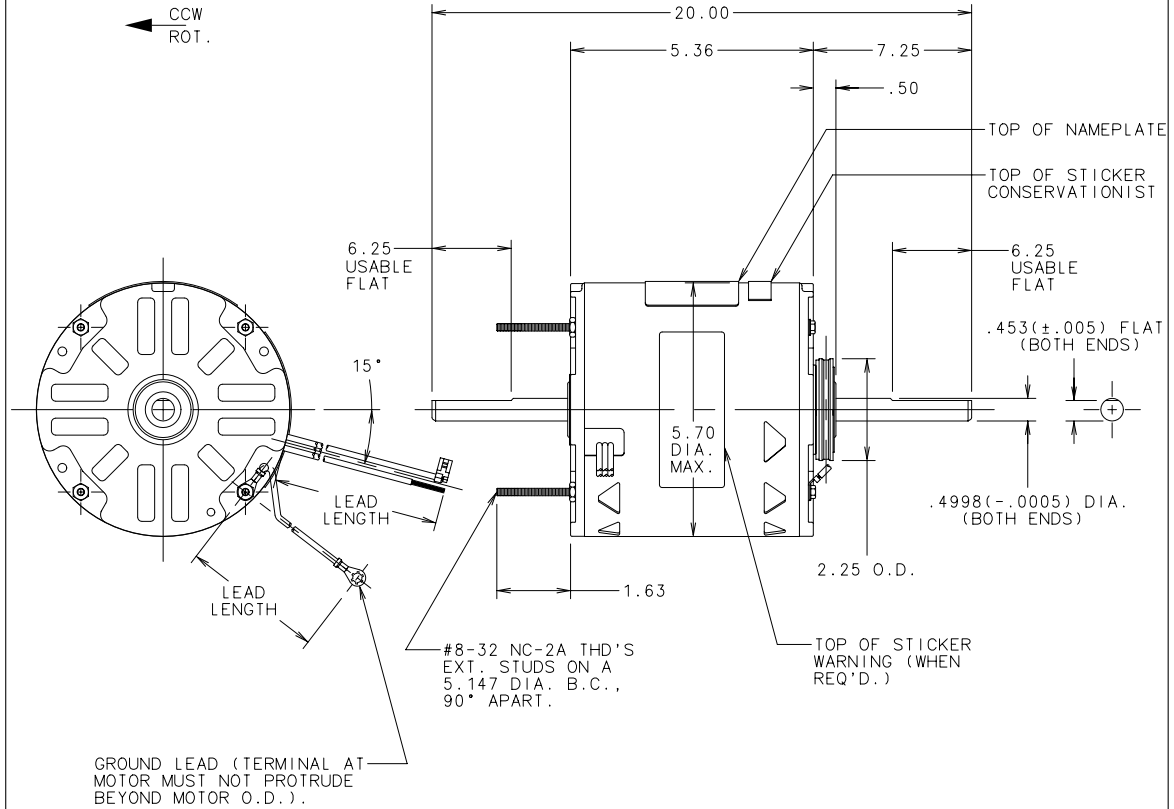
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 032)

LINE LEADS: NO. 16 GA., .06 THK. 105°C PVC. INSUL.

CAPACITOR LEADS: NO. 18 GA., .06 THK. 105°C PVC. INSUL.

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



NOTE:
- (1) RESILIENT MOUNTING KIT 615059-001 TO BE PACKED WITH EACH MOTOR.

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL: F48G06A01 CUST. P/N: RAL1076 HP: 3/4 ROT: CCWLE RPM: 1075/3 SPD TYPE: UF FRAME: 48Y VOLTS: 115 PH: 1 AMPS: 8.2 HZ: 60 INS: A AMB: 40 °C DUTY: AIR OVER CODE: - CAP.: 15 MFD/370V ENCL: SEMI-ENCL CSA LOGO UL LOGO THERMALLY PROTECTED	
614131-106	

COLOR	LENGTH	TERMINAL OR STRIP LENGTH
GREEN (GRD)	29/31	#10 EYELET
BROWN	35/37	.25 FLAG
BROWN/WHITE	35/37	.25 FLAG
WHITE	35/37	.60 SKIN
BLACK	35/37	.60 SKIN
BLUE	35/37	.60 SKIN
RED	35/37	.60 SKIN

FR.	DESCRIPTION
MAIN FR.-OLE	OPEN-BOTTOM HALF
END FR.-OLE	OPEN
MAIN FR.-LE	OPEN-BOTTOM HALF
END FR.-LE	OPEN

CUST.	DISTRIBUTION SERVICES

PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25 °C)	APPROVED SAMPLE	UL COMPONENT	CSA
FILE#	GUIDE#	FILE#	GUIDE#	
C31255	61.9 OZ. FT.	95AC073A	E46412	LR43341 260-0-0

DATE	CHANGED FROM	APPROVED ENG DRG	NOTICE	DATE	CHANGED FROM	APPROVED ENG DRG	NOTICE
H				A	09/18/97	REMOVED PLUGGED DILERS REDRAWN TO NEW FORMAT	JRS JAR 97AR0485
J				B	05/18/98	INCREASED LEAD LENGTHS	JRS EUR 98AR0021
K				C			
L				D			
M				E			

A.O. SMITH PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE A.O. SMITH DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION IS THE RESPONSIBILITY OF THE CUSTOMER.

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W. HEATH 05/11/95
T. RILEY 05/12/95

A.O. SMITH
ELECTRIC PRODUCTS
TIPP CITY, OHIO

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DESCRIPTION: **OUTLINE MOTOR**

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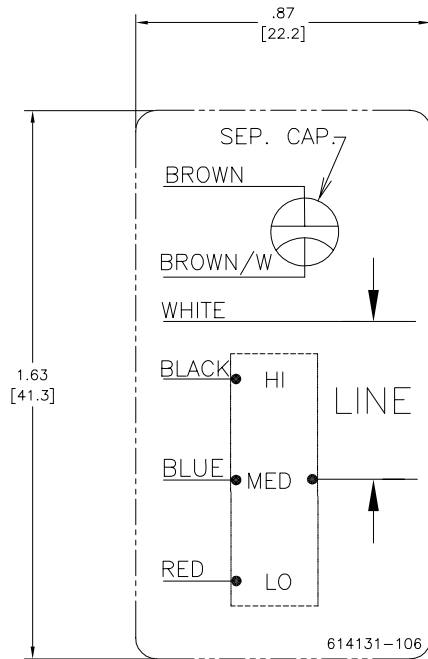
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REV	ECO	REV BY	DATE	APPD	DATE
C	0019808	PZ	04-12-2011	Tiger.Wang	04-12-2011



NOTES:

1. FOR USE WITH 614129 OR 2513020-001 NAMEPLATE BLANKS
2. _____ INDICATES DIMENSION LIMITS

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-.04
CORNER FILLETS TO:	
INCH	.020 mm 0.5
MACHINE SURFACES:	
INCH	125 mm 3.2
METRIC DIMS. SHOWN IN [BRACKETS]	

DR BY:	PZ	04-12-2011
APPD:	Tiger.Wang	04-12-2011
THIRD ANGLE PROJECTION		EDS DATE 02-22-2011 FORMAT REV F
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	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A.O. SMITH CORPORATION
DESCRIPTION CONN DIAGRAM-NAMEPLATE	
SIZE C	DWG NO 614131-106
SCALE NONE	SHEET 1

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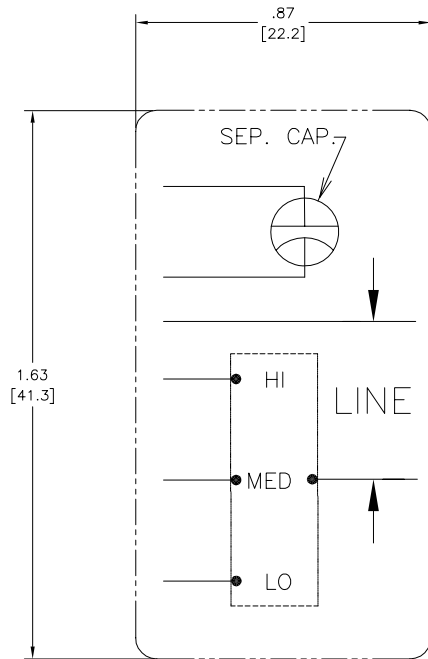
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
C	0019808	PZ	04-12-2011	Tiger.Wang	04-12-2011



CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ▽ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESQUADRA) // 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: PZ	04-12-2011	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A.O. SMITH CORPORATION	
		APROBADO POR: Tiger.Wang	04-12-2011		DESCRIPCION:
TERCER ANGULO DE PROYECCION	FECHA EDS: 02-22-2011 REV. FORMATO: F	TAMAÑO: C	NUMERO DE DIBUJO: 614131-106	ESCALA: NONE	HOJA: 1

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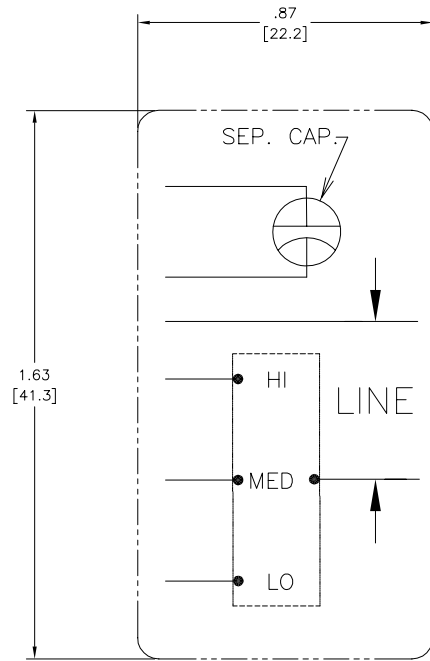
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版本	ECO	编制	日期	批准	日期
C	0019808	PZ	04-12-2011	Tiger.Wang	04-12-2011



形位公差 □ 平面度 — 直线度 ∠ 倾斜度 ⊥ 垂直度 // 平行度 ○ 圆度 ⊙ 圆跳动 Ⓜ 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： 英寸 X XX XXX XXXX 毫米 ±.1 ±.02 ±.005 ±.0005 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： PZ 04-12-2011 批准： Tiger.Wang 04-12-2011 第三角投影 图纸格式发布日期 02-22-2011 图纸格式版本 F 机密：本图纸及相关信息所有权归A. O. SMITH公司所有。 未经A. O. SMITH公司书面授权，不得泄露、复制、传播或作 其他用途。—版权所有	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION
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