

PRODUCT INFORMATION PACKET



Model No: 640

Catalog No: 640

1/20-1/40-1/50 HP Fan Coil / Room Air Conditioner Motor, 1050 RPM, 3 Speed, 115 Volts, 42 Frame, OAO
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 against a dark grey rectangular background with a slight shadow effect.

REGAL



Nameplate Specifications

Output HP	1/20, 1/40, 1/50 Hp	Output KW	0.04 kW
Frequency	60 Hz	Voltage	115 V
Current	2.6 A	Speed	1050 rpm
Service Factor	1	Phase	1
Duty	Continuous Air Over	Insulation Class	A
Frame	42	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N		

Technical Specifications

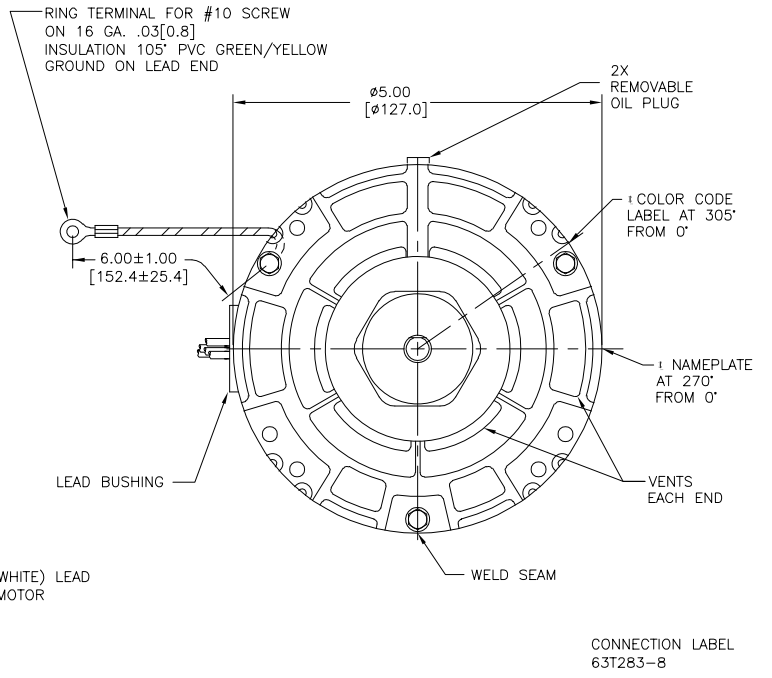
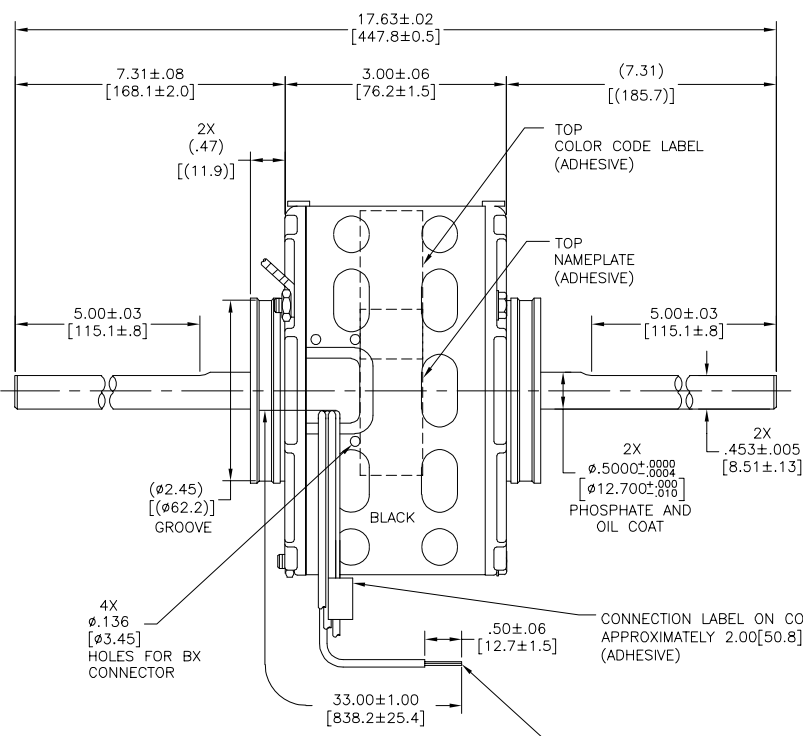
Electrical Type	Shaded Pole	Starting Method	Across The Line
Poles	6	Rotation	Clockwise Lead End
Mounting	Resilient Rings	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	17.63 in	Frame Length	2.42 in
Shaft Diameter	0.500 in	Shaft Extension	7 5/16 in
Outline Drawing	640-S01		

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CUSTOMER IS SOLELY RESPONSIBLE FOR MOTOR PERFORMANCE AND SUITABILITY IN APPLICATIONS FOR CUSTOMER'S USES

REV	ECO	REV BY	DATE	APPD	DATE
E	0029000	L.ORTIZ	10-16-2012	M.AVILA	10-16-2012

END PLAY .005[0.13] MIN - .040[1.02] MAX
 MAX. SHAFT RUNOUT .001[.03] PER INCH
 MAX. RUNOUT NOT TO EXCEED .010[0.25]



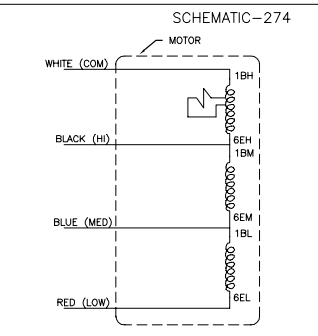
ROT.: - CWLE

NAMEPLATE DATA:

Tipp City, OH
 THERMALLY PROTECTED

SER. DATE & P# PLT LTR MOD DA3D216N# STK NO. 640
 VOLTS 115 HZ 60 AMPS
 RPM 1050 SP PH CAP
 INS CL AMB °C HP CONTINUOUS AO → ROT →
 BRG SLV

ASSEMBLED IN MEXICO



63T452-14
 BLACK-HI 2.6A 1/20HP
 BLUE-MED 1.5A 1/40HP
 RED-LO 1.0A 1/50HP
 WHITE-COMMON

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

ASME Y14.5M 1994

UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS:

X XX XXX XXXX
 INCH ±.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: TLB 06-01-2001

APPD: DRB

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011
 FORMAT REV H

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REGAL REGAL-BELOIT CORPORATION

DESCRIPTION: MODEL-RFHP-42FR OUTLINE

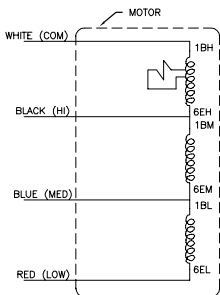
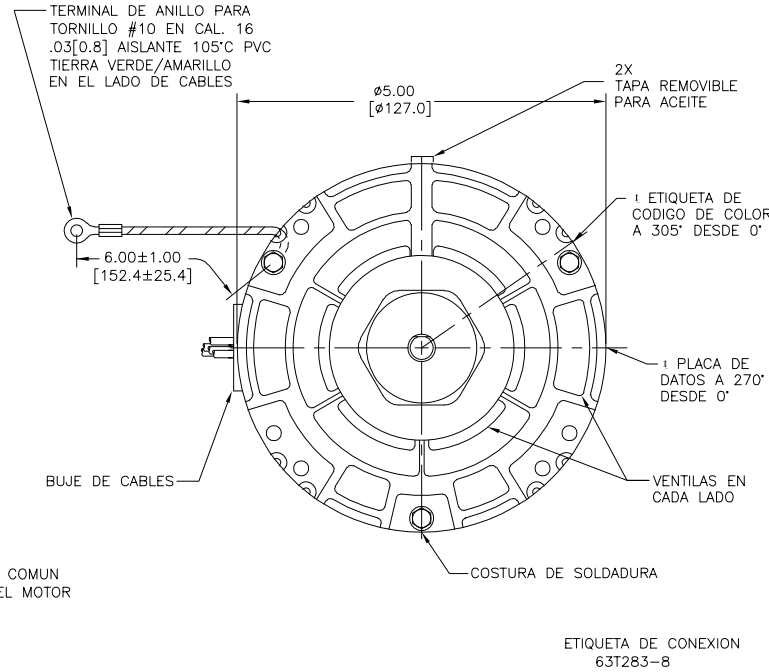
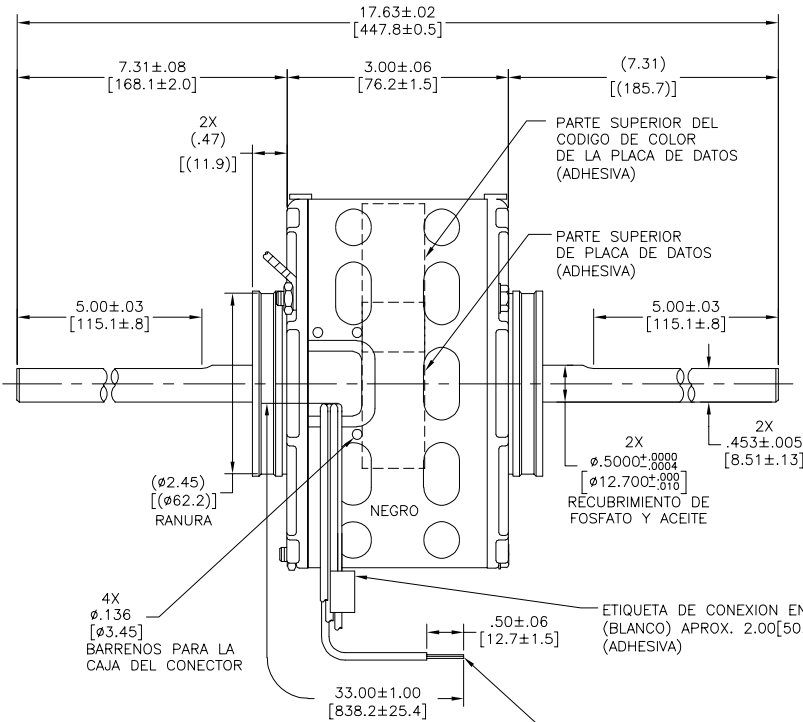
SIZE C DWG NO 640

SCALE NONE SHEET 1

EL CLIENTE ES TOTALMENTE RESPONSABLE DEL DESEMPEÑO DEL MOTOR Y DE LAS ADECUADAS APLICACIONES PARA EL USO DE LOS CLIENTES

REVISION: E	ECO	0029000	REVISADO POR: I.ORTIZ	FECHA: 10-16-2012	APROBADO POR: M.AVILA	FECHA: 10-16-2012
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JUEGO AXIAL .005[.13] MIN - .040[1.02] MAX
 MAXIMA OSCILACION DE FLECHA .001[.03] POR PULGADA
 MAXIMA OSCILACION, NO DEBE EXCEDER .010[0.25]



63T452-14

NEGRO-ALTA 2.6A 1/20HP
 AZUL-MED 1.5A 1/40HP
 ROJO-BAJA 1.0A 1/50HP
 BLANCO-COMUN

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

ASME Y14.5M 1994

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS: SON LAS SIGUIENTES:

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-.04

FILETEAR ESQUINA: PULG .020 mm 0.5

MAQUINAR SUPERFICIES

PULG .125 mm .32

DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: TLB

APROBADO POR: DRB

TERCER ANGULO DE PROYECCION

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ELECTRICAMENTE DE ACUERDO A S-9218E

ROT.: CWLE

NAMEPLATE DATA:

Century Tipp City, OH
 THERMALLY PROTECTED

SER. DATE & P# P# PLT LTR MOD DA3D216N# STK NO. 640
 VOLTS 115 HZ 60 AMPS
 RPM 1050 SP PH CAP
 INS CL AMB °C HP CONTINUOUS AO ROT
 BRG SLV

ASSEMBLED IN MEXICO

REGAL REGAL-BELOIT CORPORATION

DESCRIPCION: MODEL-RFHP-42FR OUTLINE

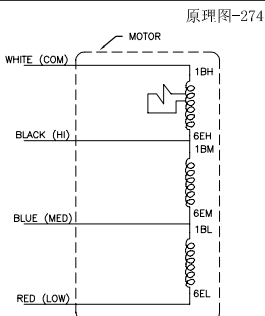
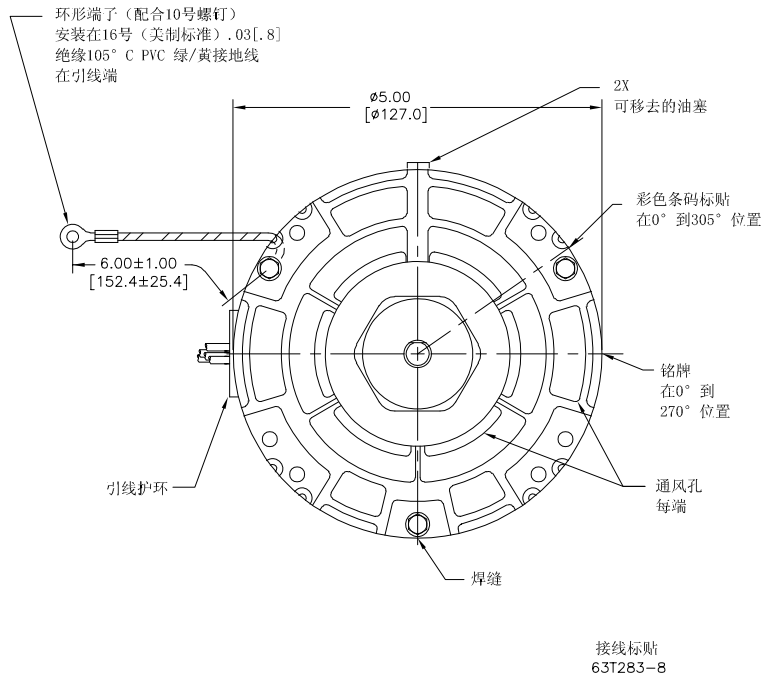
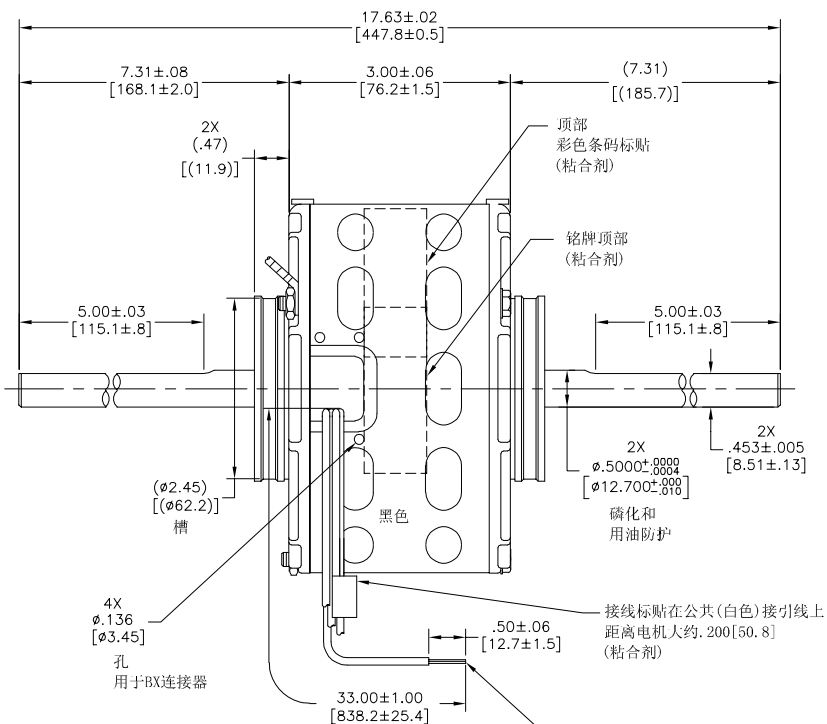
TAMAÑO: C NUMERO DE DIBUJO: 640

ESCALA: NONE HOJA: 1

客户全权负责电机的性能和适用性。

版本	ECO	编制	日期	核准	日期
E	0029000	L.ORTIZ	10-16-2012	M.AVILA	10-16-2012

端部窜动量.005[.13] 最小-.040[1.02]最大
最大轴跳动.001[.03]每英寸
最大跳动不超过.010[.25]



63T452-14
黑-高 2.6安培 1/20马力
蓝-中 1.5安培 1/40马力
红-低 1.0安培 1/50马力
白-公共

- 形位公差
- 平面度
- 直线度
- ∠ 倾斜度
- ⊥ 垂直度
- ∥ 平行度
- 圆度
- ⊘ 圆柱度
- ⊙ 圆跳动
- ⊕ 圆跳动
- ⊖ 圆跳动
- ⊗ 对称度

ASME Y14.5M 1994

除另有注明
尺寸公差如下:
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 公制 3.2
米制尺寸显示在[]

电气数据参考
S-9218E

ROT.:— CWLE

NAMEPLATE DATA:

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THERMALLY PROTECTED

SER. DATE & P# PLT LTR MOD DA3D216N# STK NO. 640
VOLTS 115 HZ 60 AMPS
RPM 1050 SP PH CAP
INS CL AMB °C HP CONTINUOUS AO — ROT —
BRG SLV

ASSEMBLED IN MEXICO

除图:	TLB	06-01-2001
批准:	DRB	
第三角投影	⊕	图纸格式发布日期 11-11-2011 图纸格式版本 H
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名称 MODEL-RFHP-42FR OUTLINE	
图号 C	图号 640
比例 NONE	页号 1