

PRODUCT INFORMATION PACKET



Model No: DC4001

Catalog No: DC4001

1/3 HP Fan Coil / Room Air Conditioner Motor, 1625 RPM, 208-230 Volts, 42 Frame, OAO
Fan Coil / Room Air Conditioner Motors



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The REGAL logo is a grey, trapezoidal shape with the word 'REGAL' in white, bold, uppercase letters. It is positioned on a dark blue background with a halftone dot pattern that tapers to the right.

REGAL



Nameplate Specifications

Output HP	1/3 Hp	Output KW	0.25 kW
Frequency	50 Hz	Voltage	208-230 V
Current	2.3 A	Speed	1625 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	A
Frame	42Y	Enclosure	Open 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	4	Rotation	Counterclockwise Lead End
Mounting	Resilient Rings	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Na	Shaft Type	Flat
Overall Length	18.50 in	Shaft Diameter	0.500 in
Shaft Extension	7.2X.5X7.2 in		
Connection Drawing	2494A79F01	Outline Drawing	DC4001-S01

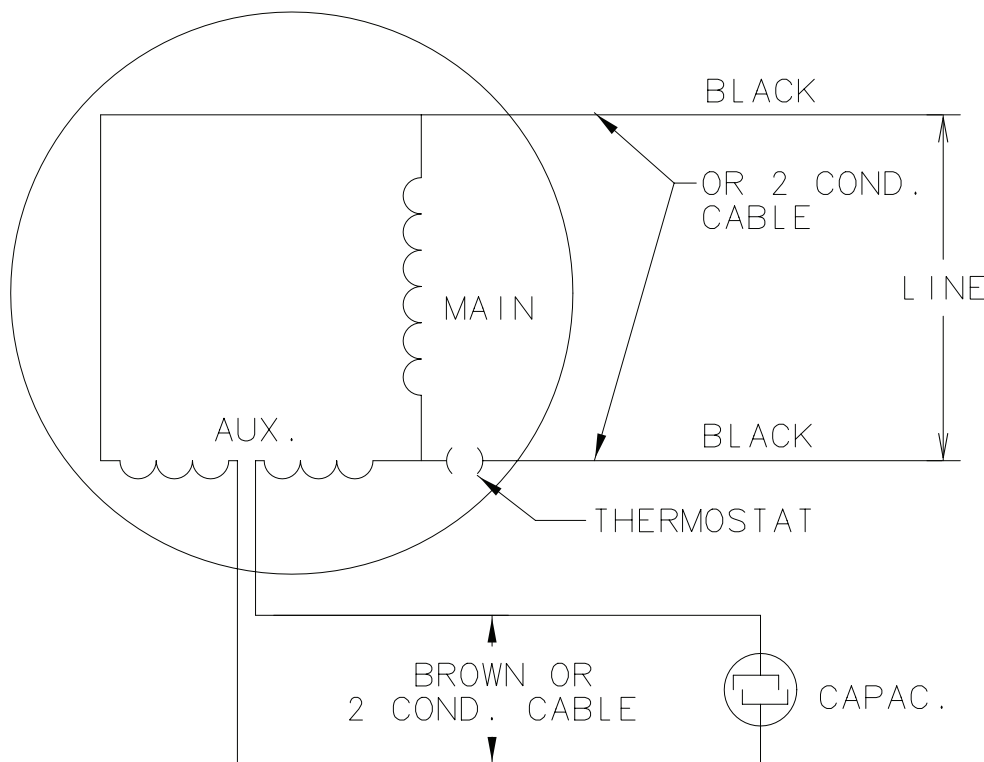
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:22/09/2020

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GENERAL INFORMATION: SHAFT RUNOUT: .001[.03] T.I.R. PER INCH LENGTH OF EXTENSION END PLAY: .010[.25] TO .063[1.60] BEARINGS: SLEEVE MOUNTING POSITION: HORIZONTAL ELECTRICAL DATA: OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 034) LEADS: NO. 18 GA., .03[.8] THK., XLP 125°C INSULATION GROUND LEAD: NO. 18 GA., .03[.8] THK., GREEN INSULATION		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>REV</th> <th>ECO</th> <th>REV BY</th> <th>DATE</th> <th>APPD</th> <th>DATE</th> </tr> <tr> <td>H</td> <td>0025542</td> <td>L.HEREDIA</td> <td>04-25-2012</td> <td>D.BALDERRAMA</td> <td>04-25-2012</td> </tr> </table>		REV	ECO	REV BY	DATE	APPD	DATE	H	0025542	L.HEREDIA	04-25-2012	D.BALDERRAMA	04-25-2012																
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<p>GEOMETRIC CHARACTERISTICS & SYMBOLS</p> <ul style="list-style-type: none"> FLATNESS STRAIGHTNESS ANGULARITY PERPENDICULARITY (SQUARENESS) PARALLELISM ROUNDNESS (CIRCULARITY) CYLINDRICITY PROFILE OF ANY SURFACE PROFILE OF ANY LINE RUNOUT TRUE POSITION CONCENTRICITY SYMMETRY <p>ASME Y14.5M 1994</p>		<p>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.</p> <p>DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.</p> <p>CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF REGAL-BELOIT CORPORATION AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF REGAL-BELOIT CORPORATION. -ALL RIGHTS RESERVED.</p>																													
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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		REGAL-BELOIT CORPORATION (RBC) PROVEE ASISTENCIA TECNICA A NUESTROS CLIENTES EN VARIAS AREAS. DESDE QUE RBC NO RECIBE TODOS LOS DATOS EN RELACION AL USO Y A LA APLICACION DEL MOTOR, LA APLICACION ADECUADA DEL MOTOR DEBE SER DETERMINADA POR EL CLIENTE. DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE																							
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CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION, Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION. -TODOS LOS DERECHOS RESERVADOS.		DESCRIPCION: OUTLINE TAMANO: C NUMERO DE DIBUJO: DC4001 ESCALA: NONE HOJA: 1																							

<p>总技术要求: _____</p> <p>轴跳动: _____</p> <p>端部窜动量: .010[.25] TO .063[1.60]</p> <p>轴承: _____</p> <p>安装位置: HORIZONTAL</p> <p>电气数据: _____</p> <p>过载保护: _____</p> <p>引线: _____</p> <p>接地线: _____</p>	<p style="text-align: center;">← CCWLE</p> <p style="text-align: center;">∅4.878±.100 [∅123.91±2.54]</p> <p style="text-align: center;">2X .540±.100 [13.72±2.54]</p> <p style="text-align: center;">5.750±.100 [146.05±2.54]</p> <p style="text-align: center;">2X ∅2.250±.100 [∅57.15±2.54]</p> <p style="text-align: center;">18.500±.100 [469.90±2.54]</p> <p style="text-align: center;">7.200±.100 [182.88±2.54]</p> <p style="text-align: center;">4.090±.100 [103.89±2.54]</p> <p style="text-align: center;">7.210±.100 [183.13±2.54]</p> <p style="text-align: center;">4.830±.100 [122.68±2.54]</p> <p style="text-align: center;">5.750±.100 [146.05±2.54]</p> <p style="text-align: center;">2X ∅.5000^{+0.0000}_{-0.0005} [∅12.700^{+0.0000}_{-0.013}]</p> <p style="text-align: center;">.453±.005 [11.51±0.13]</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>版本</th> <th>ECO</th> <th>编制</th> <th>日期</th> <th>批准</th> <th>日期</th> </tr> <tr> <td>H</td> <td>0025542</td> <td>L.HEREDIA</td> <td>04-25-2012</td> <td>D.BALDERRAMA</td> <td>04-25-2012</td> </tr> </table>	版本	ECO	编制	日期	批准	日期	H	0025542	L.HEREDIA	04-25-2012	D.BALDERRAMA	04-25-2012																											
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QUALITY CONTROL NOTE:
TO CHECK THE WDGS. FOR OPENS,
VERIFY THE CONTINUITY BETWEEN
THE TWO CAPACITOR LEADS



A	06/23/03	REDRAWN TO CAD	-	KAG	0343652
	DATE	CHANGED FROM	ENG	DRF	NOTICE
			APPROVED		

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 DIMENSION TOLERANCES ARE AS FOLLOWS .X .XX .XXX INCHES ±.02 ±.005 METRIC ±.5 ±.13 ANGLES ±.50 DEG REMOVE BURRS AND BREAK SHARP EDGES .003-.015. CORNER FILLETS TO .020 MACHINE SURFACES 125✓	MATERIAL -	DRAWN KLINE 07/02/75 APPROVED CORBIN 0/05/75	A.O. SMITH A DIVISION OF A.O. SMITH CORPORATION ELECTRICAL PRODUCTS COMPANY TIPP CITY, OHIO  COPYRIGHT 1995
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