

# PRODUCT INFORMATION PACKET

Model No: B794

Catalog No: B794

1.5 HP General Purpose Motor, 1 phase, 3600 RPM, 208-230/115 V, 56C Frame, TEFC



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**Nameplate Specifications**

Output HP	1.5 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	208-230/115 V
Current	8.3-8.0/16.0 A	Speed	3450 rpm
Service Factor	1.15	Phase	1
Duty	Continuous	Insulation Class	B
Frame	T56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

**Technical Specifications**

Electrical Type	Capacitor Start, Induction Run, Single Or Dual Voltage	Starting Method	Across The Line
Poles	2	Rotation	Reversible Counterclockwise
Mounting	Round	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	12.71 in
Frame Length	6.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.94 in		
Connection Drawing	17050302.PCX	Outline Drawing	195125-S01

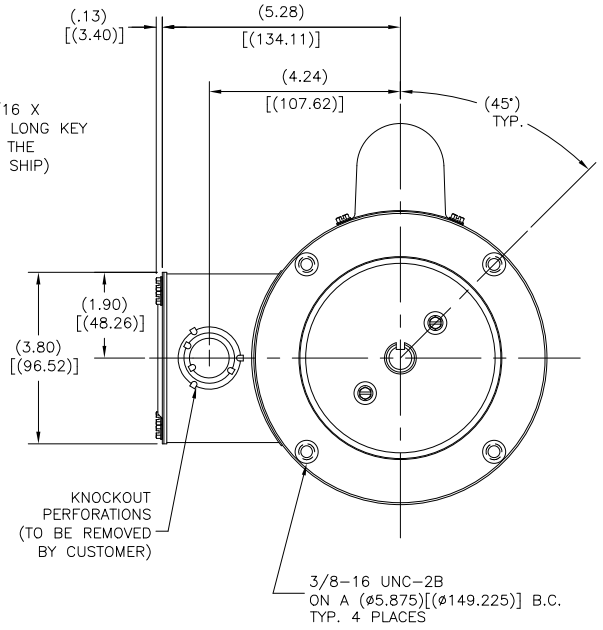
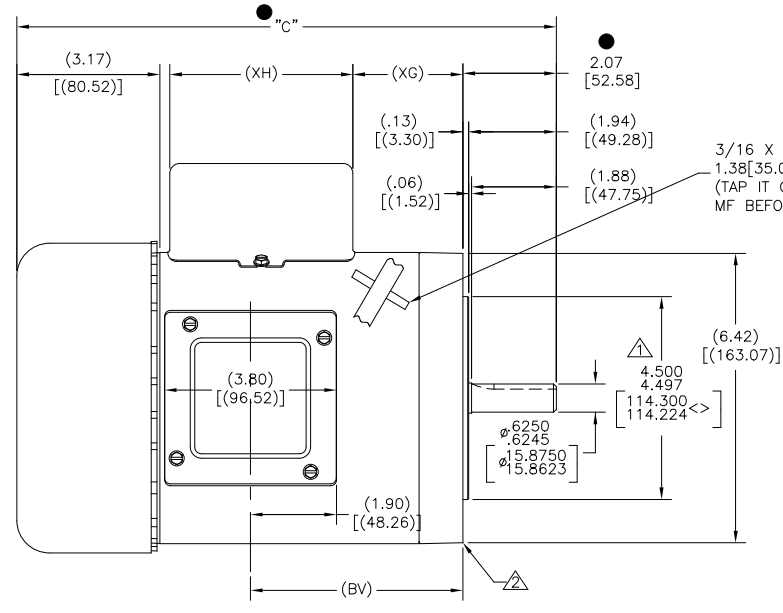
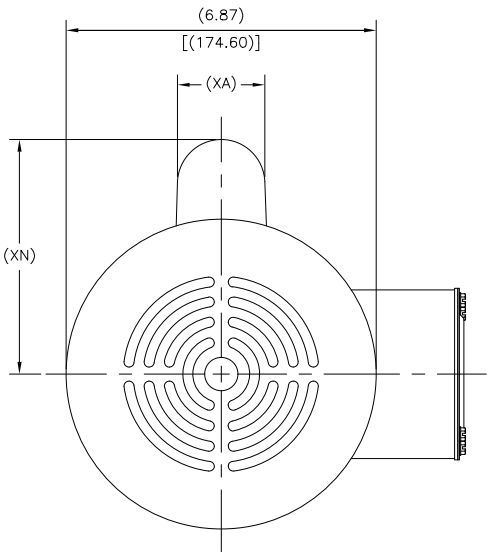
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GROUP	TYPE	FRAME	"c"	(BV)	(XA)	(XG)	(XH)	(XN)
-01	CS	J56C	11.34 [288.04]	4.09 [103.89]	1.64 [41.66]	1.81 [45.97]	4.08 [103.63]	4.87 [123.70]
-06	CS	M56C	12.96 [329.18]	5.71 [145.03]	2.01 [51.05]	3.44 [87.38]	4.06 [103.12]	5.20 [132.08]
-07	CS	G56C	12.21 [310.13]	4.96 [125.98]	2.01 [51.05]	2.69 [68.33]	4.06 [103.12]	5.20 [132.08]
-08	CS	T56C	12.71 [322.83]	5.46 [138.68]	2.01 [51.05]	3.19 [81.03]	4.06 [103.12]	5.20 [132.08]

- NOTES:
- ▲ PILOT DIAMETER IS CONCENTRIC WITH SHAFT CENTERLINE WITHIN .004[.102] T.I.R.
  - ▲ FACE OF MOUNTING FLANGE IS PERPENDICULAR TO SHAFT CENTERLINE WITHIN .004[.102] T.I.R.
  3. SHAFT RUNOUT NOT TO EXCEED .002[.051] T.I.R.
  4. END PLAY NOT TO EXCEED .010[.254] MEASURED WITH NO THRUST.
  5. ● = CRITICAL DIMENSION

ALL DIMENSIONS SHOWN IN PARENTHESIS ARE REFERENCE DIMENSIONS. ALL OTHER DIMENSIONS ARE TOLERANCED PER THE FOLLOWING CHART UNLESS OTHERWISE SPECIFIED.

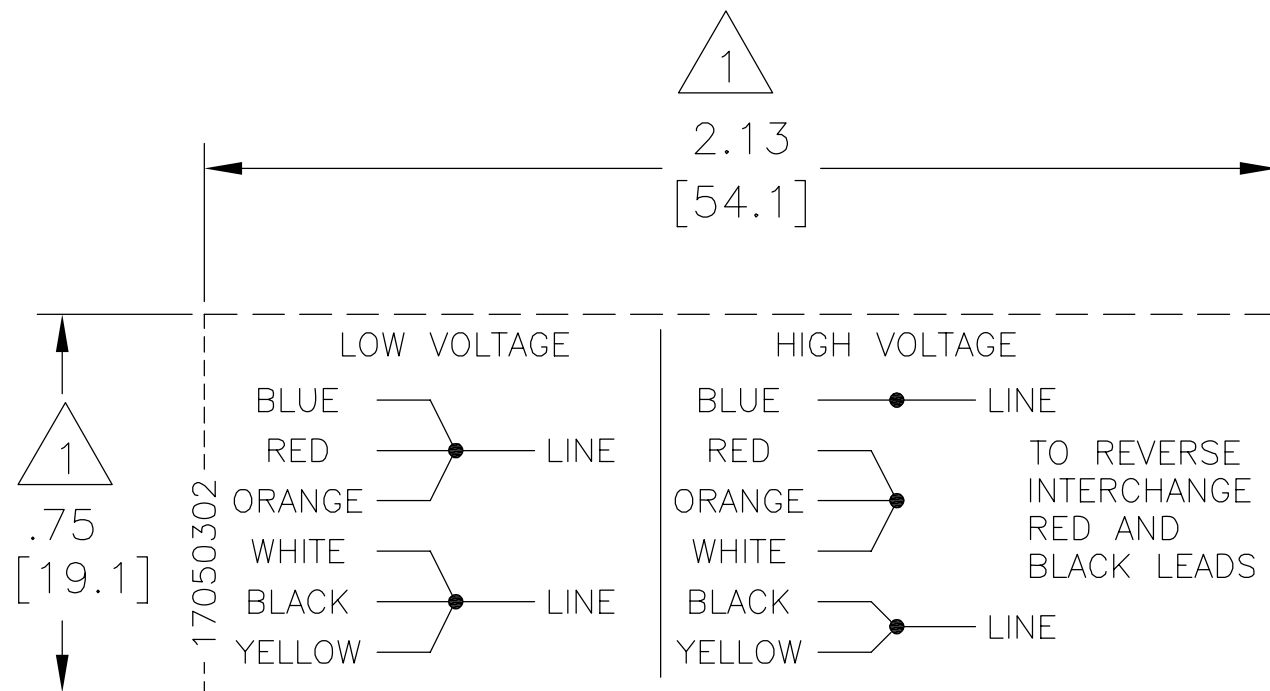
"c" DIM. = ±.055[1.397]  
 SHAFT EXT. = ±.034[.864]  
 LEAD LENGTHS = ±1.00[25.40]  
 EXTENDED THROULTS = ±.05[1.270]  
 ANGULAR DIMS. = ±2'



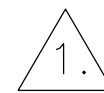
3/16 X 3/16 X 1.38[35.05] LONG KEY (TAP IT ON THE MF BEFORE SHIP)

DRAWING REVISION: F	REVISION BY: D.SURYAWANSHI	DATE: 09/01/2021	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY: D.HOLT	Regal Beloit America, Inc.
ECR-0212200	APPROVED BY:	DATE:	DEC. INCH mm ANGLE	DATE: 02-29-2000	
ECO DESCRIPTION: ADDED KEY ON MF			.X ±0.1 [±2.5] ±0.5	APPROVED BY:	DESCRIPTION: MODEL-CFHP-56FR OUTLINE
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			.XXX ±0.005 [±0.127]	REFERENCE:	PROCESS/FINISH: -
			REMOVE BURRS & BREAK SHARP EDGES .003[.015] L076[.381] X 45°	THIRD ANGLE PROJECTION	SIZE: C
			CORNER FILLETS R.02 [51]		DWG NO: 195125
			MACHINED SURFACES		SHEET: 1
			INCH mm		

REV	ECO	REV BY	DATE	APPD	DATE
Y	ECO-0022098	J. COX	04-24-2012	C. McREYNOLDS	04-24-2012

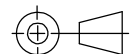



NOTES:

-  DOTTED BOX REPRESENTS TOTAL PRINTED AREA ALLOWED FOR CONNECTION DIAGRAM TO FIT IN. THIS AREA DOES NOT INCLUDE THE BORDER AROUND THE CONNECTION DIAGRAM. SEE NAMEPLATE DRAWING 170500 OR 170501 FOR LOCATION.
- DETAILS ARE NOT TO BE COPIED FROM DRAWING, BUT ARE TO BE REPRODUCED FROM ORIGINAL ARTWORK FURNISHED.
- CHARACTERS ARE TO BE A MINIMUM OF .03[.8] TO .06[1.5] MAXIMUM IN HEIGHT.

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]

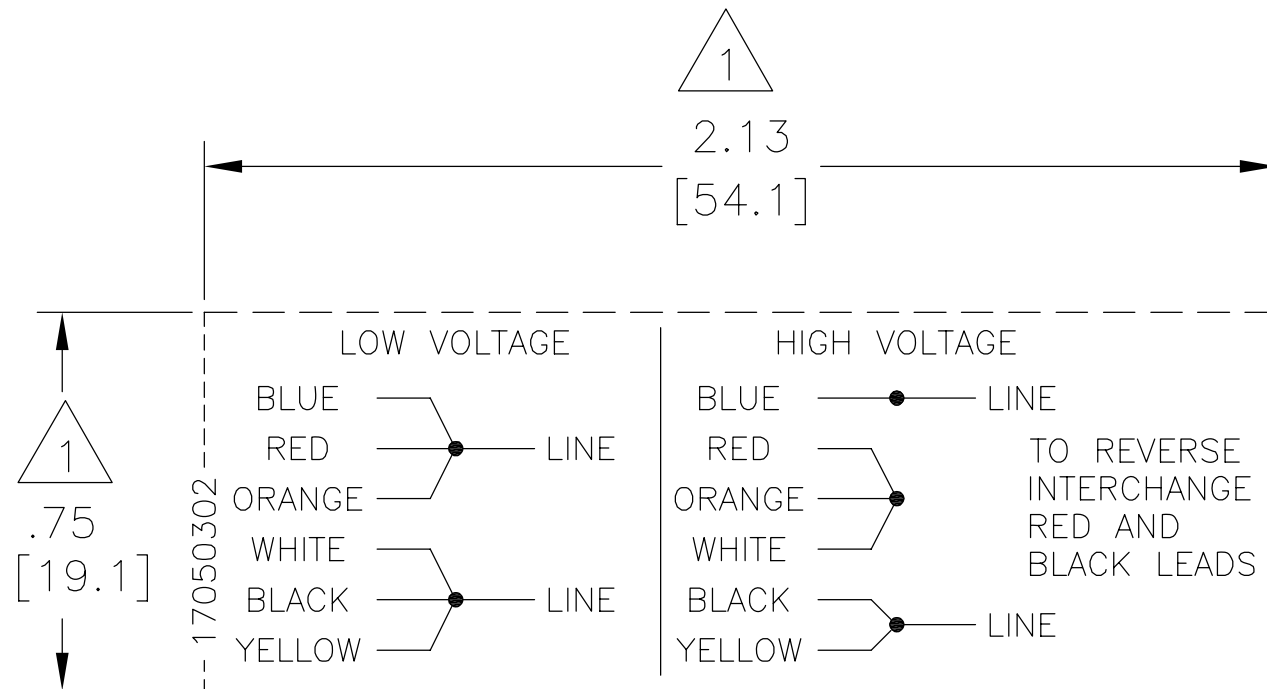
DR BY: MLC 03-04-1985  
 APPD: MLC 03-13-1985  
 THIRD ANGLE PROJECTION  EDS DATE 11-11-2011  
 FORMAT REV G  
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 **REGAL-BELOIT CORPORATION**

DESCRIPTION  
 CONN DIAGRAM-NAMEPLATE

SIZE A DWG NO 17050302  
 SCALE NONE SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
Y	ECO-0022098	J. COX	04-24-2012	C. McREYNOLDS	04-24-2012



NOTAS:

- LA CAJA PUNTEADA REPRESENTA EL AREA TOTAL IMPRESA PERMITIDA PARA EL DIAGRAMA DE CONEXION PARA QUE ENCAJE EN ESTA AREA NO INCLUYE EL BORDE AL REDEDOR DEL DIAGRAMA DE CONEXION. VER DIBUJO DE PLACA DE DATOS 170500 O 170501 PARA UBICACION.
- LOS DETALLES NO DEBEN SER COPIADOS DEL DIBUJO, PERO VA A SER REPRODUCIDA DEL TRABAJO ORIGINAL SUMINISTRADO.
- LOS CARACTERES SON DE UN MINIMO DE .03[.8] A .06[1.5] EN ALTURA MAXIMA.

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: MLC 03-04-1985  
 APROBADO POR: MLC 03-13-1985  
 TERCER ANGULO DE PROYECCION FECHA EDS: 11-11-2011  
 REV. FORMATO: G  
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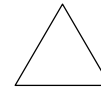
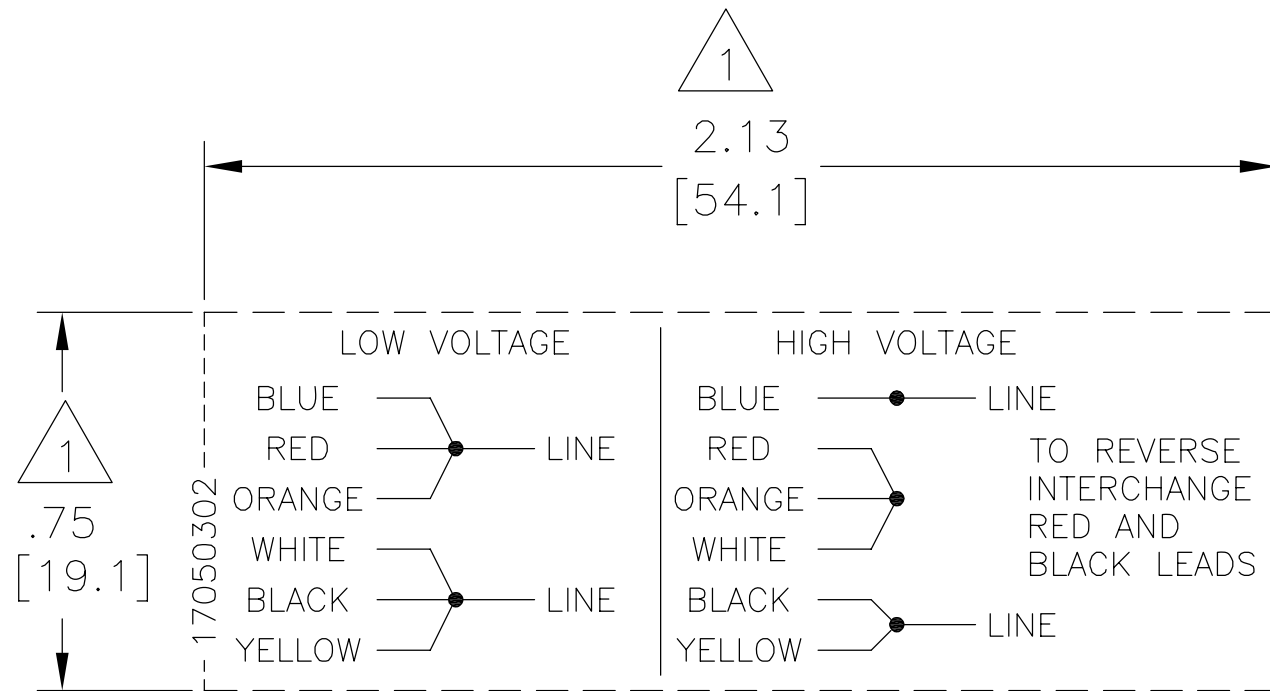
REGAL-BELOIT CORPORATION

DESCRIPCION: CONN DIAGRAM-NAMEPLATE

TAMAÑO: A NUMERO DE DIBUJO: 17050302

ESCALA: NONE HOJA: 1

版本	ECO	编制	日期	批准	日期
Y	ECO-0022098	J. COX	04-24-2012	C. McREYNOLDS	04-24-2012



- 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: MLC 03-04-1985  
 批准: MLC 03-13-1985  
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 图纸格式版本 G  
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名称  
CONN DIAGRAM-NAMEPLATE

图幅 A 图号 17050302

比例 NONE 页号 1