

# PRODUCT INFORMATION PACKET



Model No: 128001.00  
Catalog No: 128001.00  
SCR Motor, 2 HP, 180 V, 1750 RPM, KS182TC Frame, TEFC



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### Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Voltage	180 V	Speed	1750 rpm
Service Factor	1.0	Frame	KS182TC
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	78.8 %	Ambient Temperature	40 °C
Current	9.5 A	Duty	Continuous
Insulation Class	H	Drive End Bearing Size	6205
Opp Drive End Bearing Size	6203	UL	Recognized
CSA	Y	CE	N

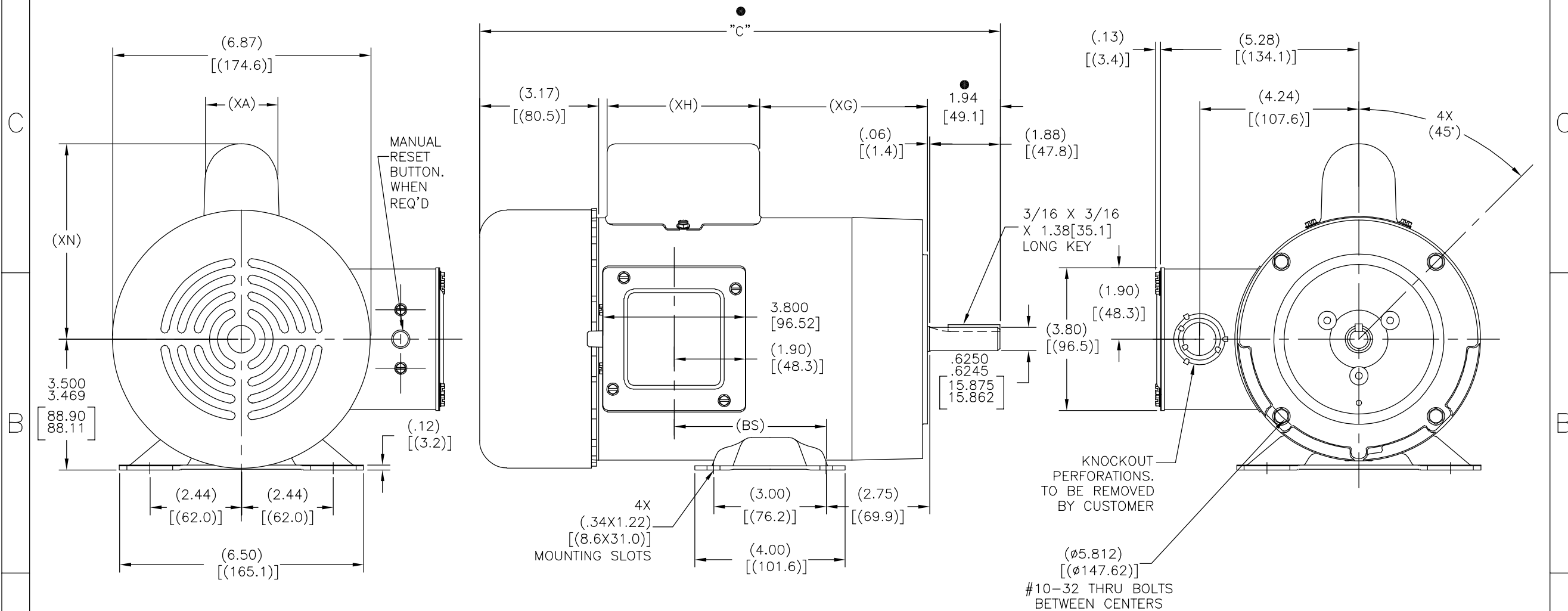
### Technical Specifications

Rotation	Reversible	Mounting	Rigid C base
Overall Length	19.34 in	Frame Length	14.63 in
Shaft Diameter	0.875 in	Shaft Extension	2.13 in
Torque	72 LB-IN		
Outline Drawing	033945-KS180	Connection Drawing	00531901



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

"C" DIM.	= ±.055[±1.40]
SHAFT EXT.	= ±.034[±.86]
LEAD LENGTHS	= ±1.00[±25.4]
EXTENDED	
THRU-BOLTS	= ±.050[±1.27]
ANGULAR DIMS.	= ±2 DEGS.

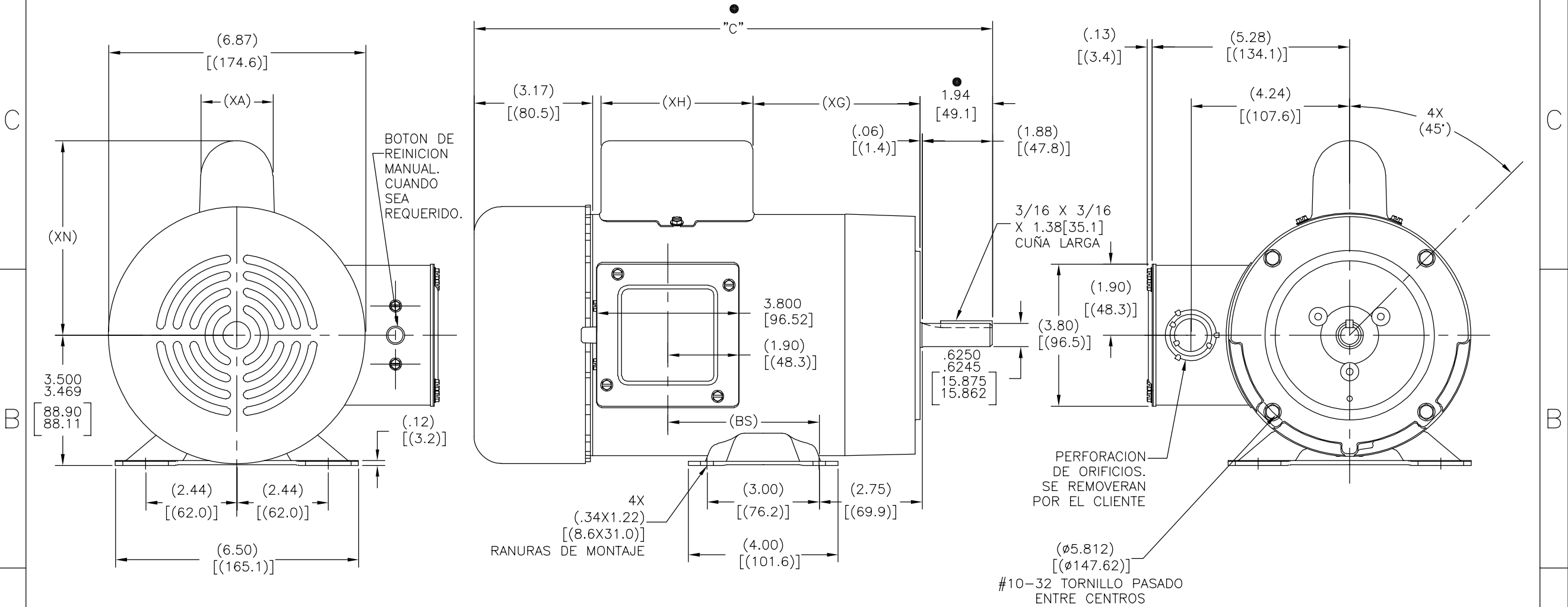


● = CRITICAL DIMENSION



GEOMETRIC CHARACTERISTICS & SYMBOLS ▢ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⌀ CYLINDRICITY Δ PROFILE OF ANY SURFACE ∩ PROFILE OF ANY LINE ↗ RUNOUT ⊕ TRUE POSITION ◎ CONCENTRICITY = SYMMETRY	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 0.1-0.4 CORNER FILLETS TO: INCH .020 mm 0.5 MACHINE SURFACES: INCH 125 mm 3.2	DR BY: RALVAR APPD: RARMEN	02-08-2005 02-08-2005	<div style="text-align: right;">  <b>REGAL-BELOIT CORPORATION</b> </div>
ASME Y14.5M 1994	METRIC DIMS. SHOWN IN [BRACKETS]	THIRD ANGLE PROJECTION 	EDS DATE 11-11-2011 FORMAT REV G	DESCRIPTION <div style="text-align: center; font-size: 2em;">OUTLINE</div>
		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.		SIZE C DWG NO 03394503
				SCALE NONE SHEET 1

TODAS LAS DIMENSIONES MOSTRADAS ENTRE PARENTESIS SON DIMENSIONES DE REFERENCIA. TODAS LAS DEMAS DIMENSIONES MANEJAN UNA TOLERANCIA QUE SE MUESTRA EN LA SIGUIENTE TABLA A MENOS DE QUE SE ESPECIFIQUE LO CONTRARIO.

DIMENSION DE "C"	= $\pm 0.055[\pm 1.40]$
EXTENSION DE FLECHA	= $\pm 0.034[\pm 86]$
LARGO DE CABLES	
EXTENDIDOS	= $\pm 1.00[\pm 25.4]$
PERNO PASADO	= $\pm 0.050[\pm 1.27]$
DIMENSION ANGULAR	= $\pm 2^\circ$ GRADOS



● = DIMENSION CRITICAL

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	DIBUJADO POR: RALVAR 02-08-2005 APROBADO POR: RARMEN 02-08-2005 TERCER ANGULO DE PROYECCION 	FECHA EDS: 11-11-2011 REV. FORMATO: G	<div style="text-align: right;">  <b>REGAL-BELOIT CORPORATION</b> </div>
ASME Y14.5M 1994	DIMS METRICAS MOSTRADAS [PARENTESIS]			DESCRIPCION: <div style="text-align: center; font-size: 2em;">OUTLINE</div>
			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.	TAMAÑO: C NUMERO DE DIBUJO: 03394503
				ESCALA: NONE HOJA: 1

4

3

2

1

版本	ECO	编制	日期	批准	日期
D	0025215	G. RODRIGUEZ	04-04-15	DANIEL MUÑOZ	04-04-15

D

D

C

C

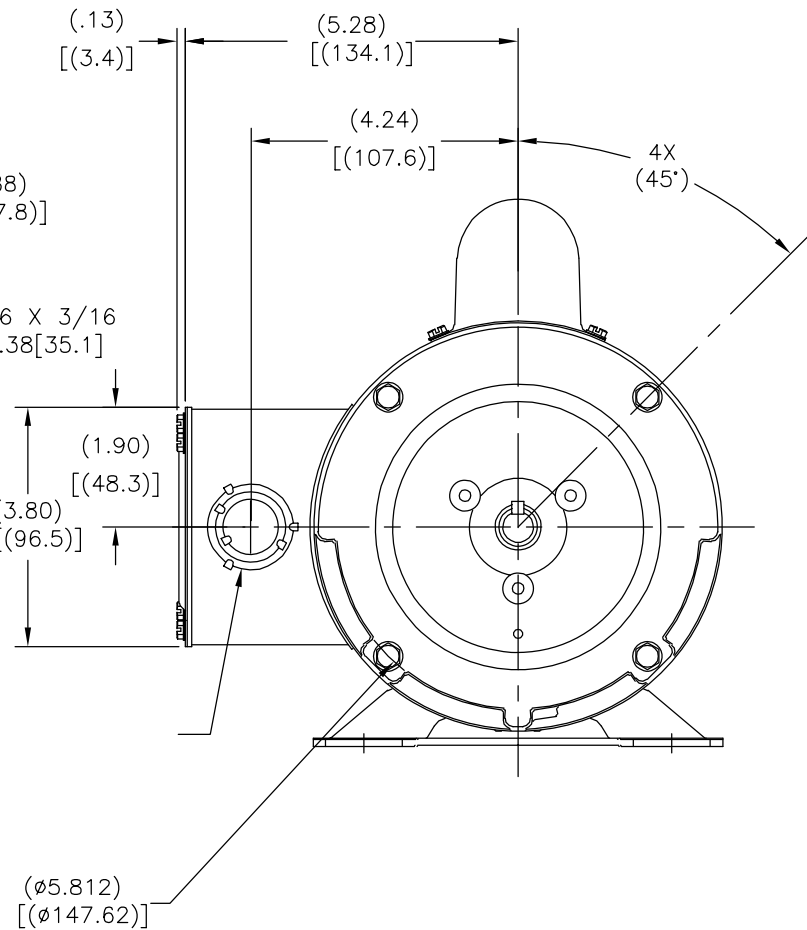
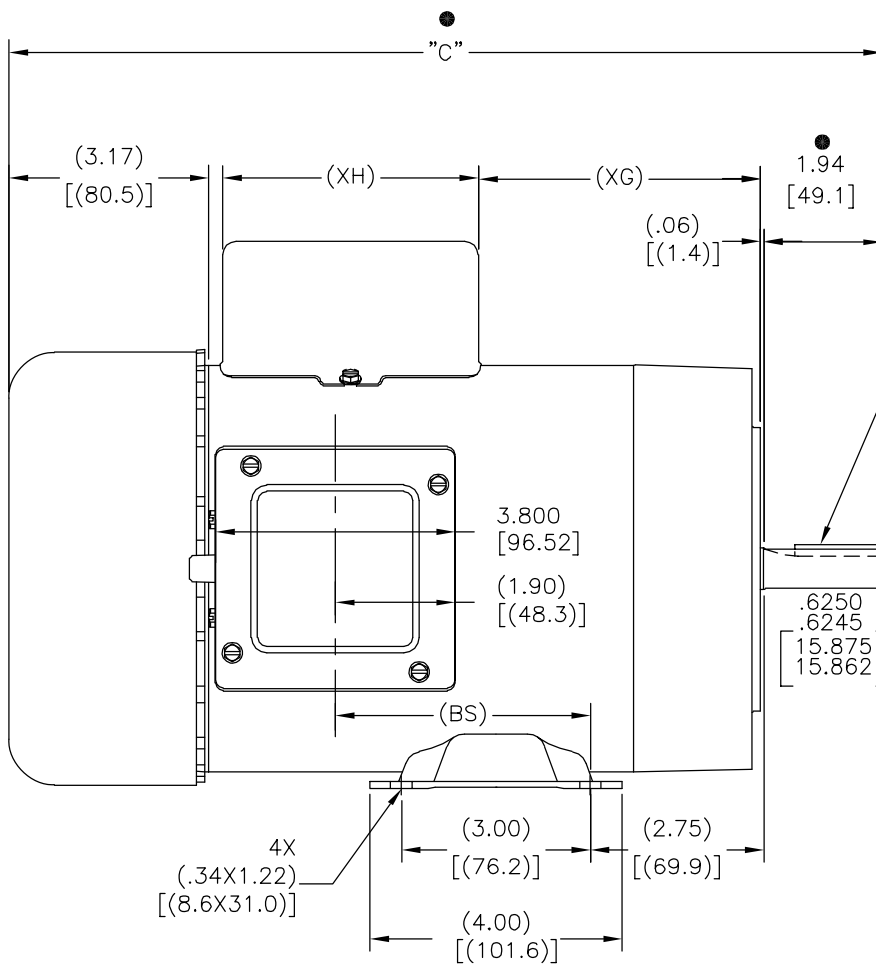
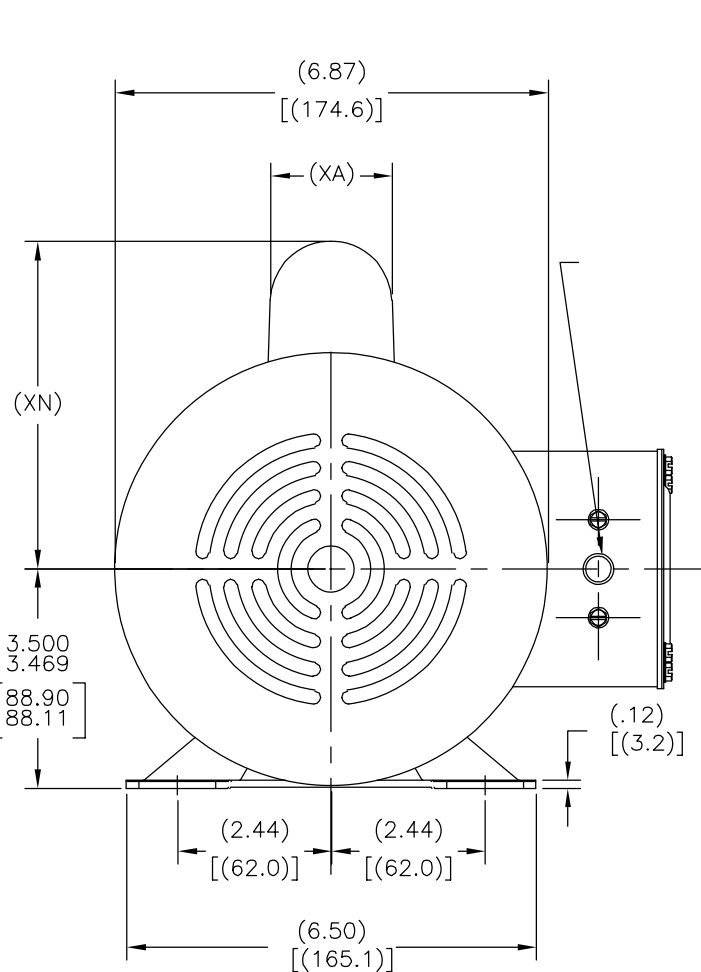
B

B

A

A

			"C"	(BS)	(XA)	(XG)	(XH)	(XN)
03394503-001	CS	L56	13.36[339.3]	3.55[90.2]	2.01[51.1]	3.97[100.8]	4.06[103.1]	5.20[132.1]
03394503-002	CS	J56	12.24[310.9]	2.43[61.7]	1.64[41.7]	2.84[72.1]	4.08[103.1]	4.87[123.7]
03394503-003	CS	K56	12.61[320.3]	2.80[71.1]	1.64[41.7]	3.22[81.8]	4.06[103.1]	4.81[122.2]



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: 英寸 X XX XXX XXXX 毫米 ±.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
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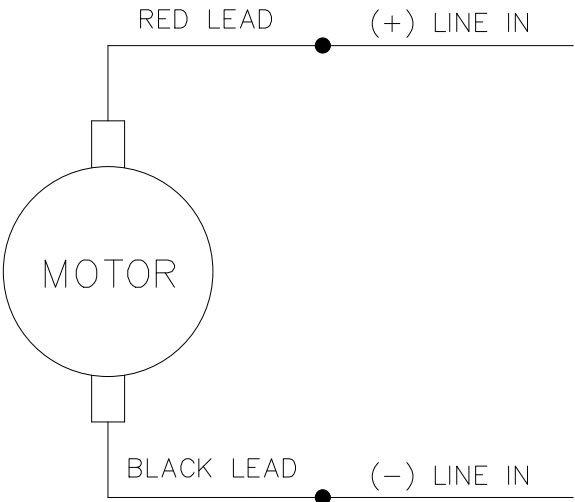
ASME Y14.5M 1994

米制尺寸显示在[ ]


绘图:	RALVAR	02-08-2005
批准:	RARMEN	02-08-2005
第三角投影		图纸格式发布日期 11-11-2011 图纸格式版本 G
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名称	OUTLINE	
图幅	C	图号 03394503
比例	NONE	页号 1



CONNECTIONS SHOWN FOR CCW ROTATION FACING LEAD END OF THE MOTOR  
TO REVERSE ROTATION INTERCHANGE LINE LEADS

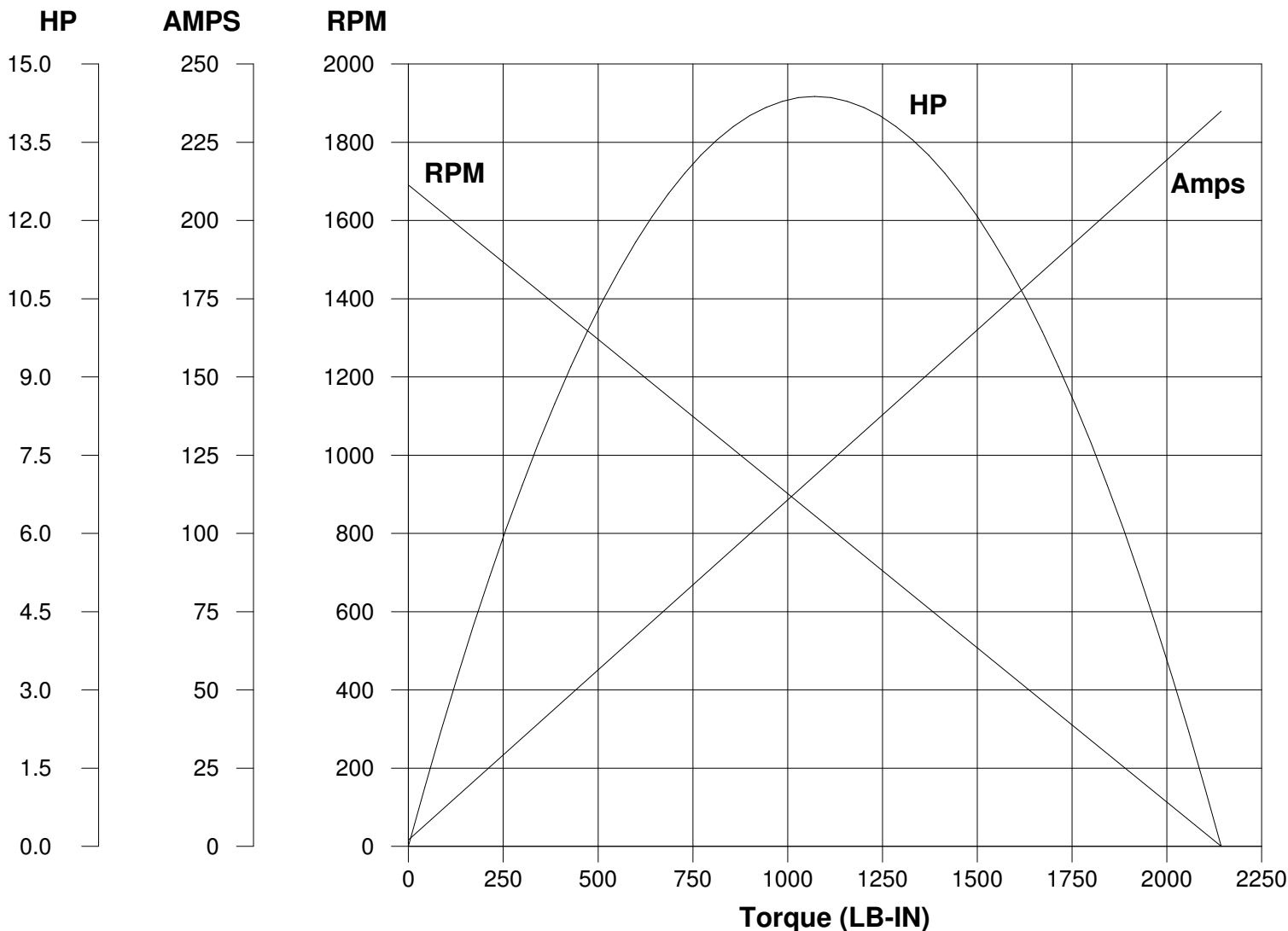
				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN TJF 11/15/97				
				DEC.	INCHES		CHK				
F	CHG FROM LEESON TO RRX TEMPLATE AS PER ECR-0237142	KVDG 09/19/24	DS	.X	±.1		APPD POW 11/15/97				
E	"MOTOR" WAS "ARMATURE", ECO-0163602	IPG 3/14/19		.XX	±.01	TITLE EXTERNAL WIRING DIAGRAM PMDc MOTOR	SCALE 1=2				
D	UPDATED TO MAKE IT GENERIC, ECO-0163547	IPG 3/13/19		.XXX	±.005		REF				
01	REDRAWN ON CAD. REVISED NOTES.	SJB 9/20/2005		.XXXX	±.0005	MAT'L.	FMF				
NO.	REVISION	BY & DATE	CHK	ANG	±1/2"	FINISH			PREV		
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			DIST		6 of 7			A	005319.01		F

# LEESON ELECTRIC CORPORATION

## TYPICAL PERFORMANCE CURVE

### FOR

### DIRECT CURRENT PERMANENT MAGNET MOTOR

Model No. C182D17FK3Catalog No. 128001.00HP 2.000RPM 1750DC Volts 180.0N.P. FLA 9.50F.F. 1.40Encl TEFCType DFS.F. 1.00Max. Amb. 40.0 Deg CInsul. HFrame KS182BCDuty CONT

Ra 0.5000 Ohms  
 La 10.80 mHenrys  
 Ja 18.13 LB-IN<sup>2</sup>  
 Ke 107.2 V/KRPM

Kt 9.061 LB-IN/AMP  
 Imax 82.9 AMPS Allowed  
 FL Torque 72.00 LB-IN  
 FL EFF 78.80 %

Winding W- D6322-1Prepared by V. BoehlenDate 05-02-2005