

PRODUCT INFORMATION PACKET



Model No: C312

Catalog No: C312

General Purpose Farm Duty Motor, 3/4 HP, 1 Ph, 60 Hz, 230/115 V, 1800 RPM, K56 Frame, TEFC



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Nameplate Specifications

Output HP	3/4 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	230/115 V
Current	5.2/10.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Duty	Continuous	Insulation Class	B
Frame	K56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Thermally Protected	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

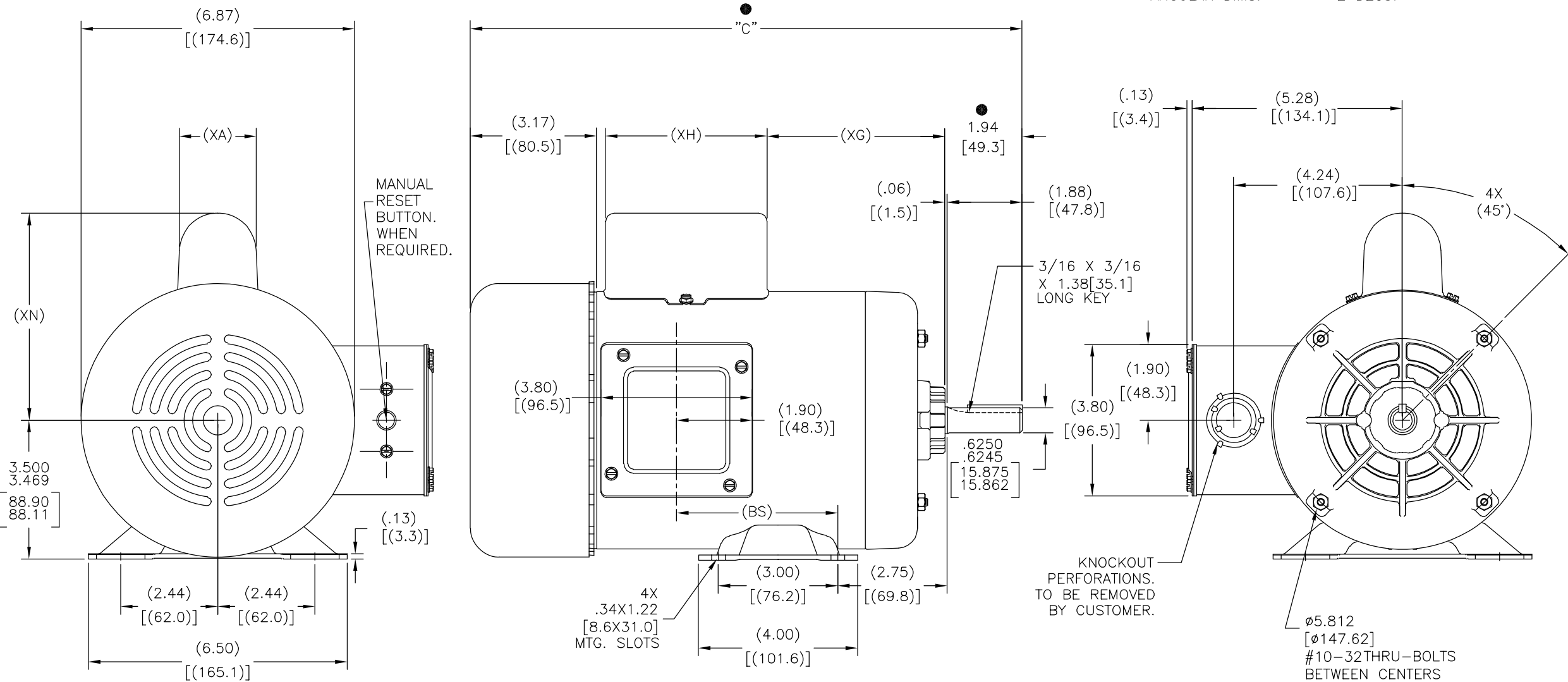
Electrical Type	Capacitor Start, Induction Run, Single Or Dual Voltage	Starting Method	Across The Line
Poles	4	Rotation	Reversible Counterclockwise
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	12.61 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.94 in		
Connection Drawing	17050307.PCX	Outline Drawing	189910-S01

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GROUP	TYPE	FRAME	"C"	(BS)	(XA)	(XG)	(XH)	(XN)
189910-01	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]
189910-02	CS	J56	12.24[310.9]	2.43[61.7]	1.64[41.7]	2.84[72.1]	4.08[103.6]	4.87[123.7]
189910-03	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]

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 EXTENDED	= ±1.00[±25.4]
THRU-BOLTS	= ±.050[±1.27]
ANGULAR DIMS.	= ±2 DEGS.



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 $\begin{matrix} X & XX & XXX & XXXX \\ \pm 1 & \pm .02 & \pm .005 & \pm .0005 \end{matrix}$ mm $\begin{matrix} \\ \pm 0.5 & \pm 0.13 & \pm 0.013 \end{matrix}$ 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 $\begin{matrix} 125 \\ \sqrt{} \end{matrix}$ mm $\begin{matrix} 3.2 \\ \sqrt{} \end{matrix}$		DR BY: DAVHOL APPD: N.LONG		10–04–1999 10–04–1999		 REGAL-BELOIT CORPORATION	
				THIRD ANGLE PROJECTION 		EDS DATE 11–11–2011 FORMAT REV G		DESCRIPTION OUTLINE	
				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 189910	
ASME Y14.5M 1994		METRIC DIMS. SHOWN IN [BRACKETS]						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.

(1.3)
[(3.4)]

(5.28)
[(134.1)]

(1.88)
[(47.8)]

(4.24)
[(107.6)]

4X
(45°)

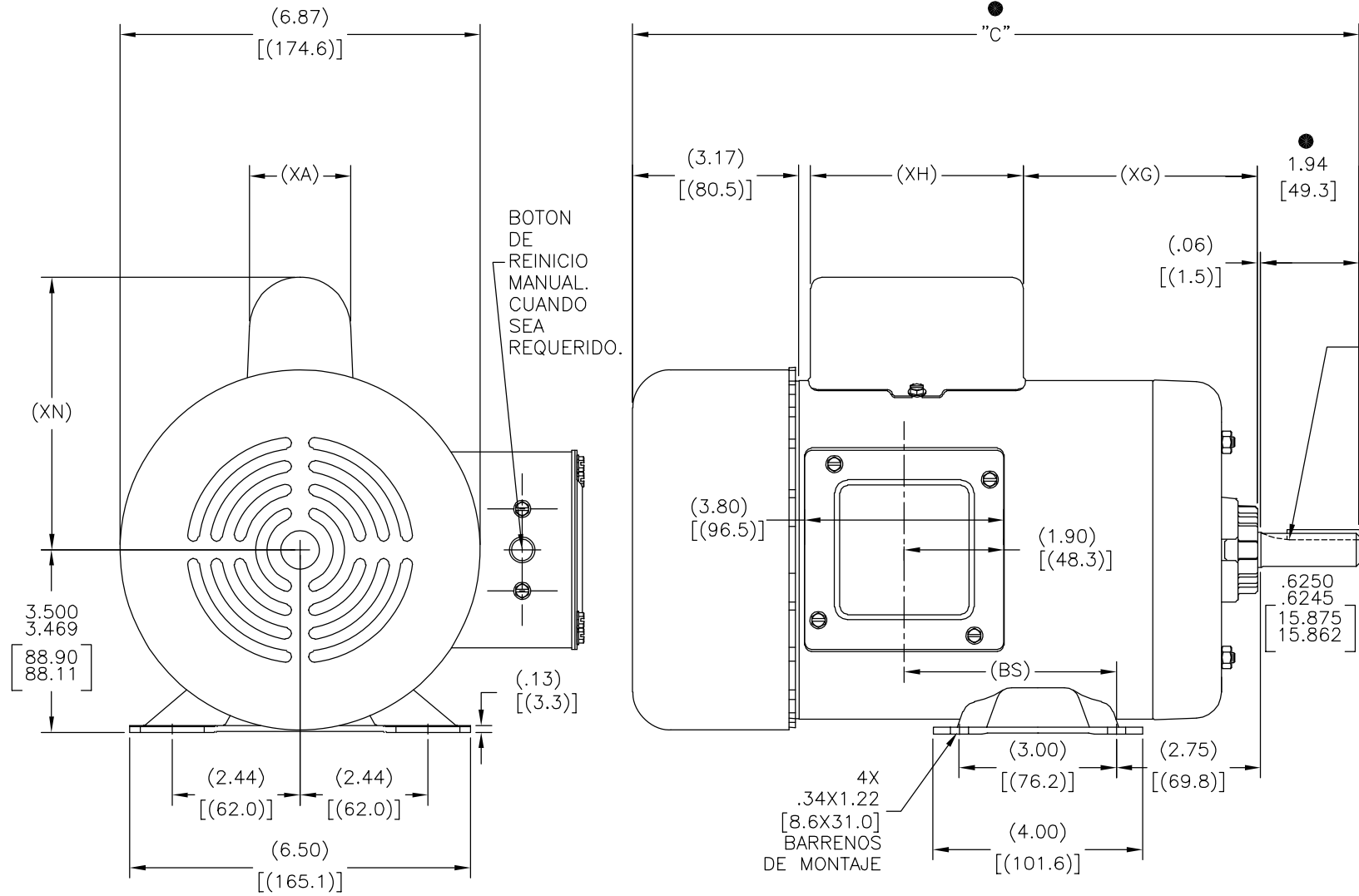
3/16 X 3/16
X 1.38 [(35.1)]
LARGO
DE CUÑA

(1.90)
[(48.3)]

(3.80)
[(96.5)]

PERFORACION
DE ORIFICIOS.
EL CLIENTE LOS
REMOVERA.

Ø5.812
[Ø147.62]
#10-32 TORNILLO PASADO
ENTRE CENTROS



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: PULG. ± 0.1 ± 0.02 ± 0.005 ± 0.0005 mm ± 0.5 ± 0.13 ± 0.013 ANG. ± 50 GRADOS ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE. PULG. $0.003-0.015$ mm $0.1-0.4$ FILETEAR ESQUINA: PULG. 0.020 mm 0.5 MAQUINAR SUPERFICIES PULG. 125 mm 3.2	DIBUJADO POR: DAVHOL 10-04-1999 APROBADO POR: N.LONG 10-04-1999 TERCER ANGULO DE PROYECCION 	FECHA EDS: 11-11-2011 REV. FORMATO: G	 REGAL-BELOIT CORPORATION	DESCRIPCION: OUTLINE
ASME Y14.5M 1994	DIMS METRICAS MOSTRADAS [PARENTESIS]	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: 189910	ESCALA: NONE HOJA: 1

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1

版本	ECO	编制	日期	批准	日期
F	0025361	L. BERNAL	04-12-2012	D. BALDERRAMA	04-12-2012

			"C"	(BS)	(XA)	(XG)	(XH)	(XN)
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D

D

C

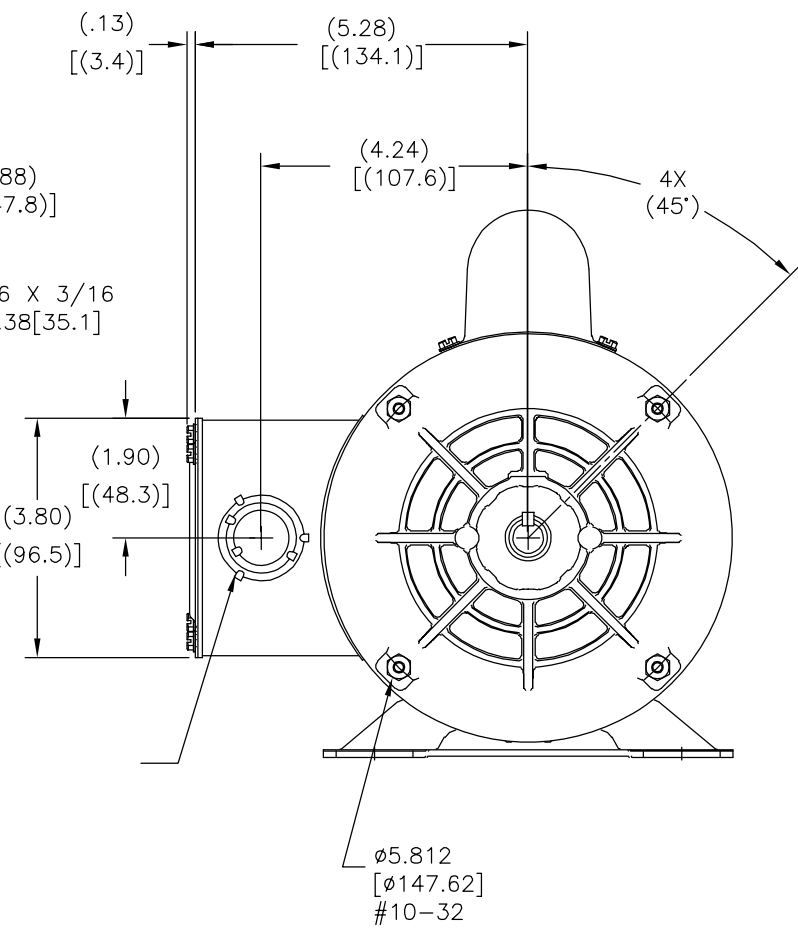
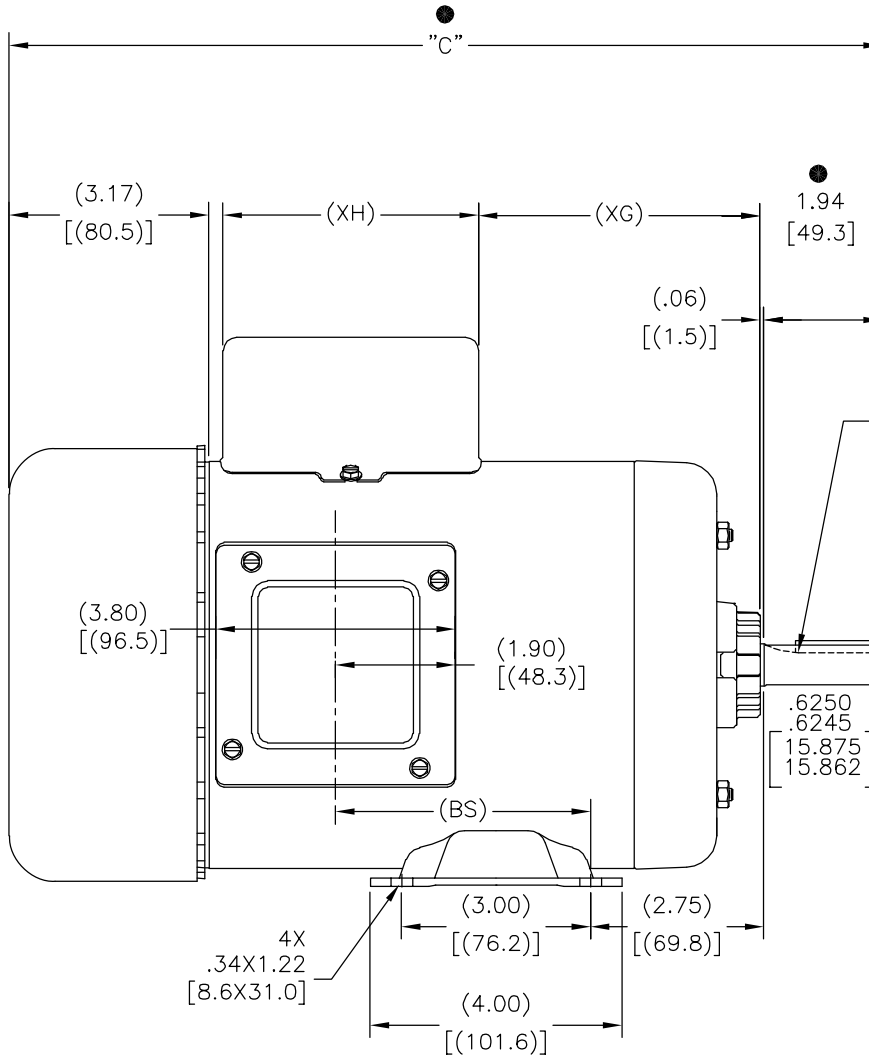
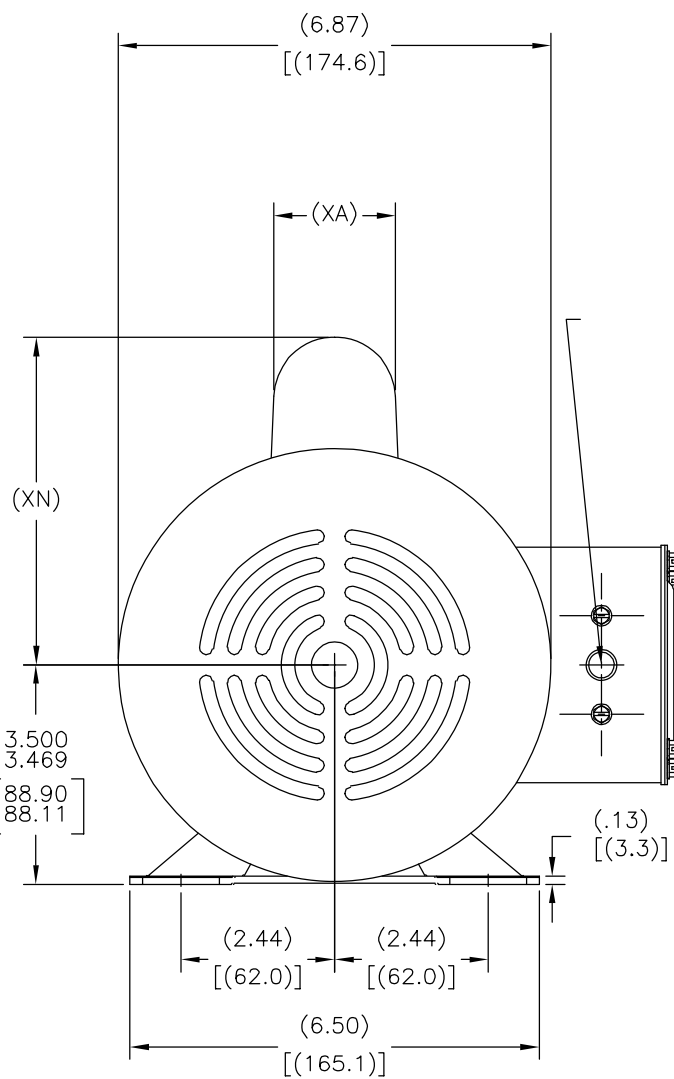
C

B

B

A

A



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
米制尺寸显示在 []

绘图:	DAVHOL	10-04-1999
批准:	N.LONG	10-04-1999
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	189910
比例	NONE	页号	1

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