

# PRODUCT INFORMATION PACKET



Model No: C312

Catalog No: C312

3/4 HP General Purpose Farm Duty Motor, 1 phase, 1800 RPM, 230/115 V, 56 Frame, TEFC  
General Purpose Farm Duty Motors



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**Nameplate Specifications**

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

**Technical Specifications**

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

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REV	ECO	REV BY	DATE	APPD	DATE
F	0025361	L. BERNAL	04-12-2012	D. BALDERRAMA	04-12-2012

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.

D

D

C

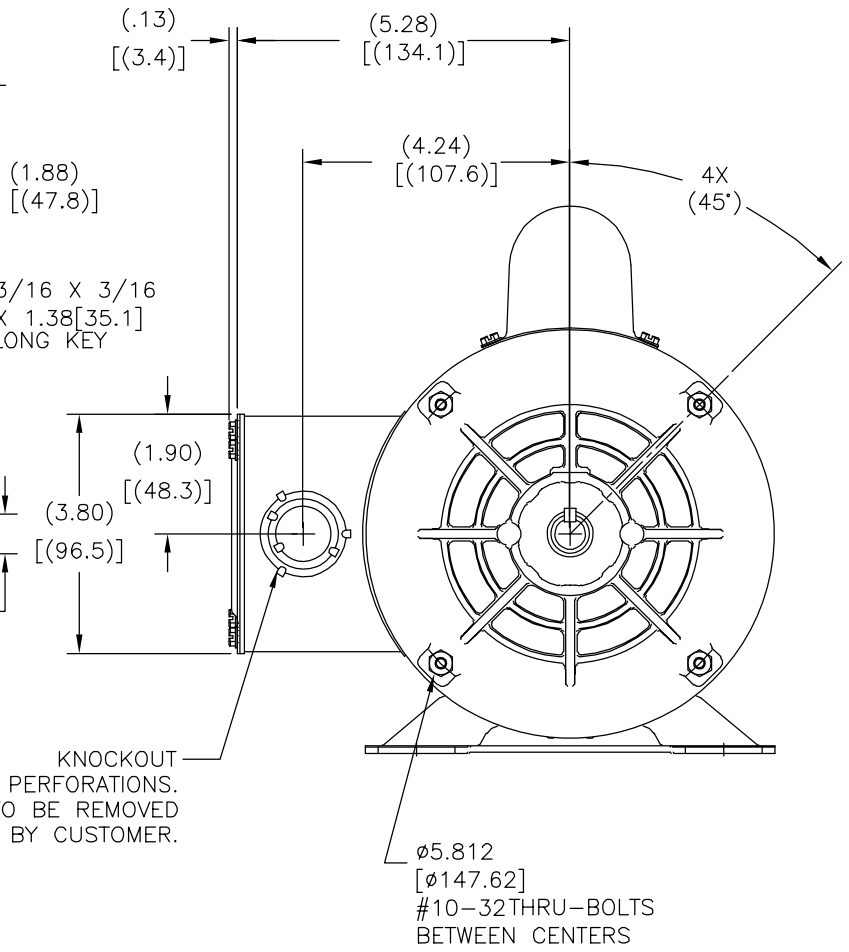
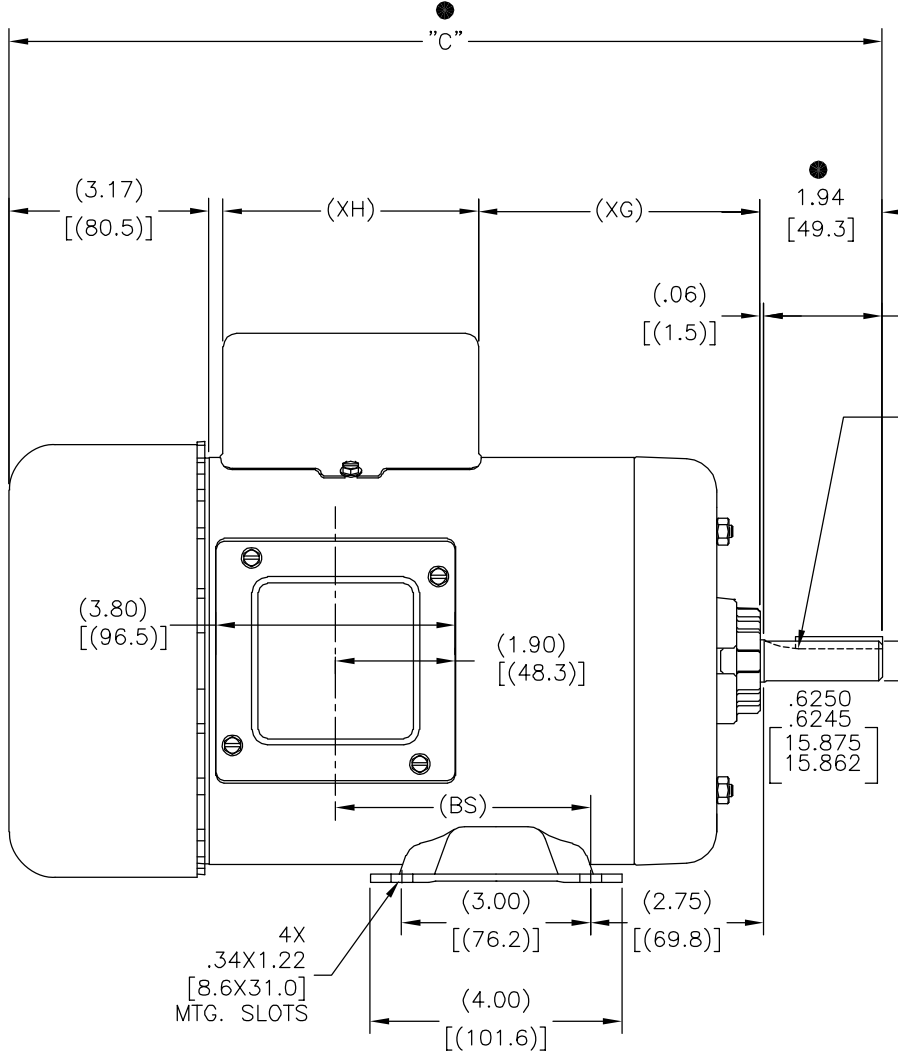
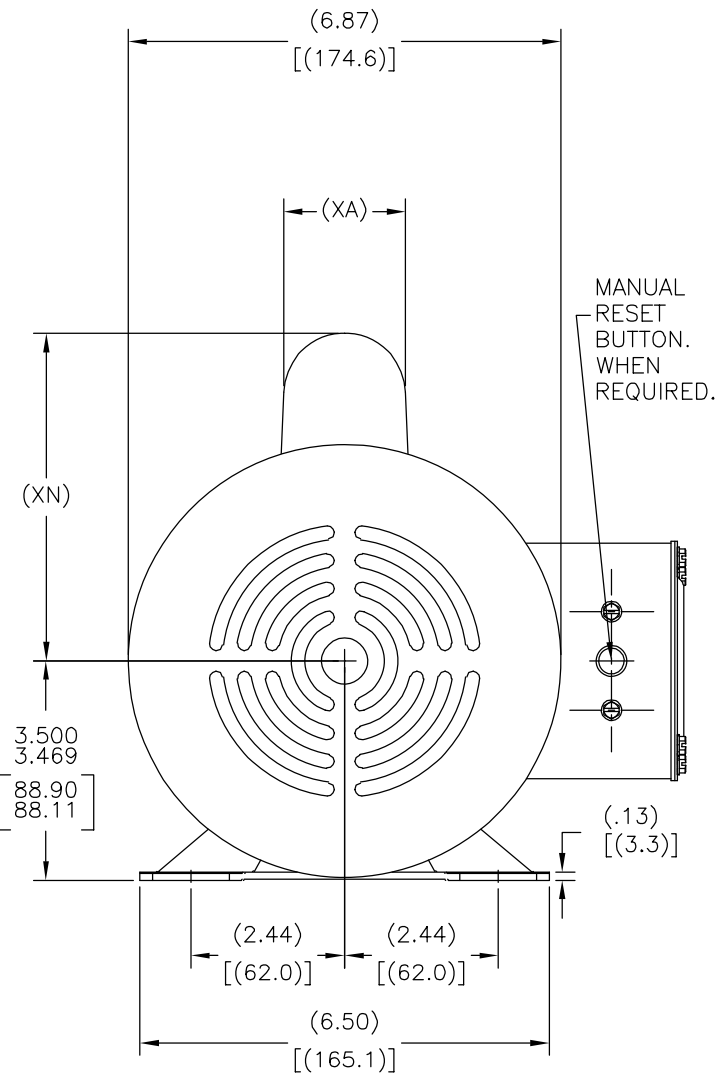
C

B

B

A

A



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:

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

METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	DAVHOL	10-04-1999
APPD:	N.LONG	10-04-1999
THIRD ANGLE PROJECTION		EDS DATE 11-11-2011 FORMAT REV G
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DESCRIPTION <b>OUTLINE</b>	
SIZE C	DWG NO 189910
SCALE NONE	SHEET 1

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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
F	0025361	L. BERNAL	04-12-2012	D. BALDERRAMA	04-12-2012

GRUPO	CLASE	CARCAZA	"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]
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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"	= ±.055[±1.40]
EXTENSION DE FLECHA	= ±.034[±.86]
LARGO DE CABLES EXTENDIDOS	= ±1.00[±25.4]
PERNO PASADO	= ±.050[±1.27]
DIMENSION ANGULAR	= ±2° GRADOS

D

D

C

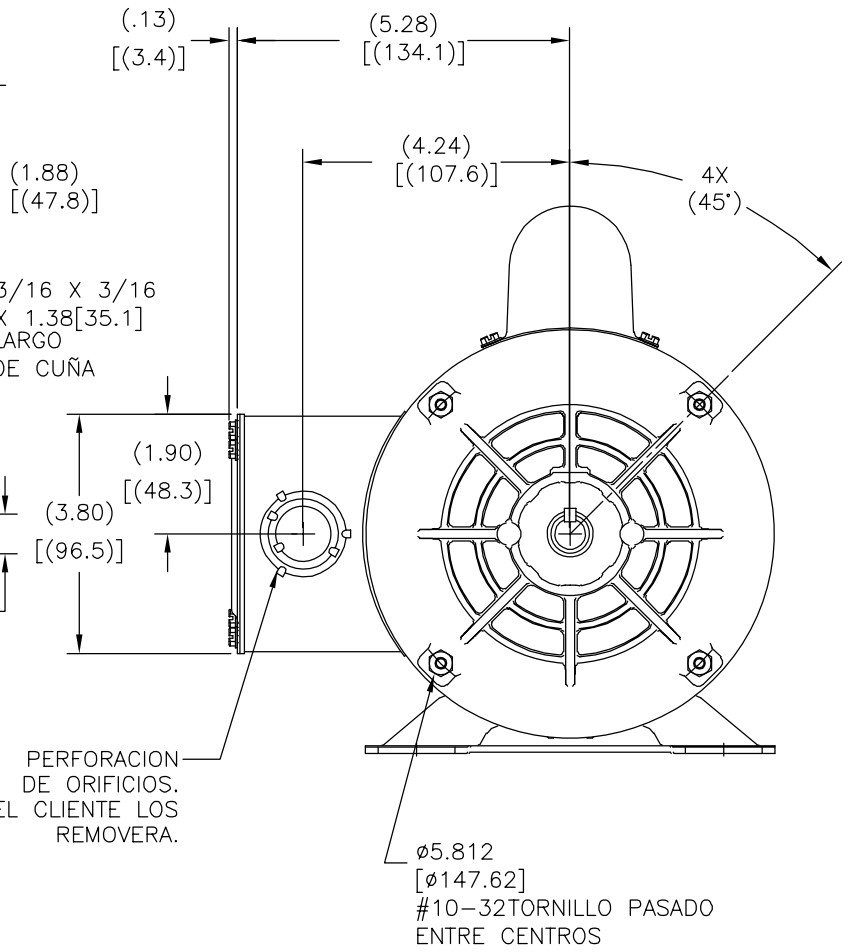
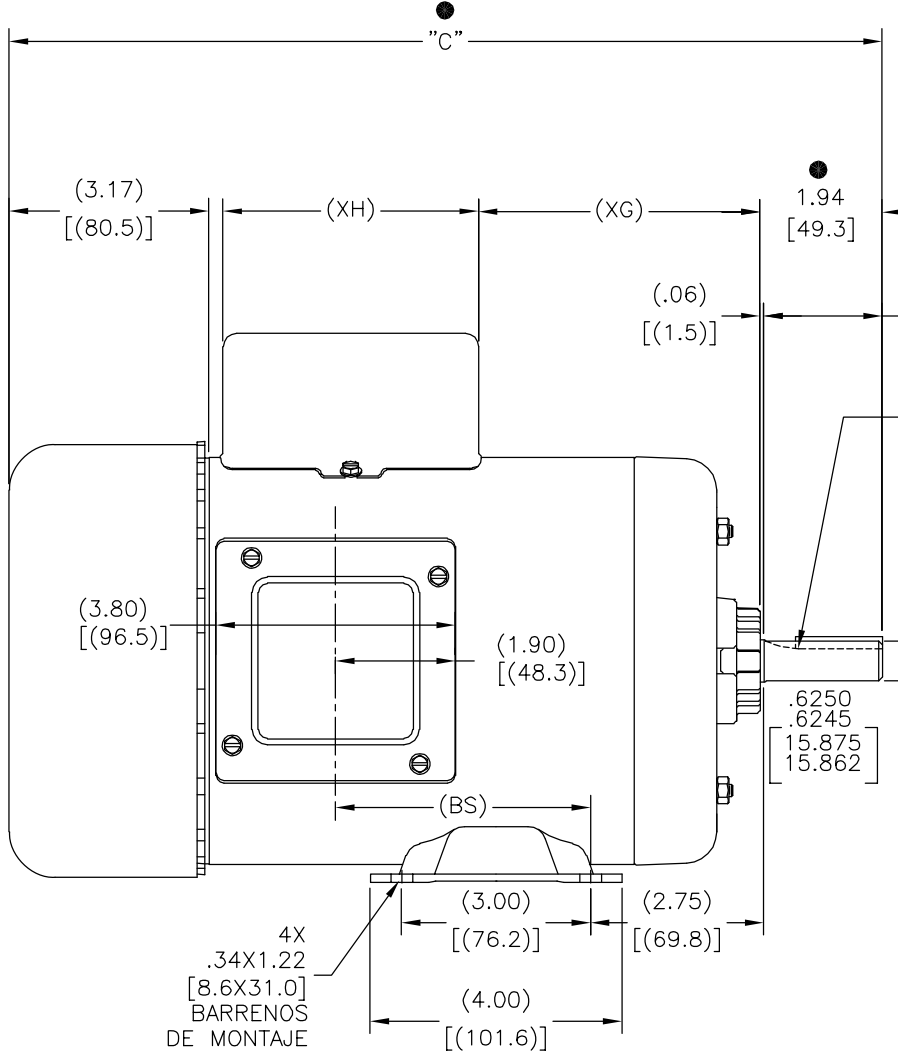
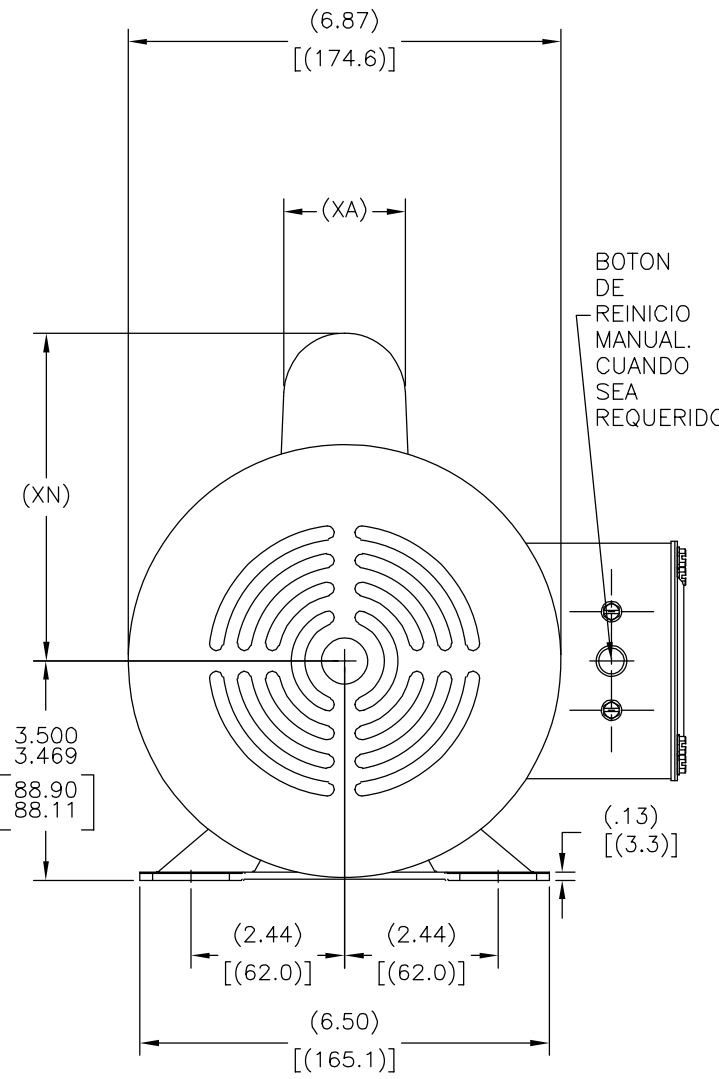
C

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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

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 0.1-0.4  
FILETEAR ESQUINA: PULG .020 mm 0.5  
MAQUINAR SUPERFICIES  
PULG 125 mm .32

DIMS METRICAS MOSTRADAS [PARENTESIS]

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
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DESCRIPCION: OUTLINE	
TAMAÑO: C	NUMERO DE DIBUJO: 189910
ESCALA: NONE	HOJA: 1

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