

PRODUCT INFORMATION PACKET



Model No: C153L
Catalog No: C153L
1/4 HP General Purpose Motor, 1 phase, 1800 RPM, 115/230 V, 48 Frame, TENV
Single Phase TENV Motors



Regal and Century are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2019 Regal Beloit Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

Output HP	1/4 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	115/230 V
Current	3.3/1.7 A	Speed	1725 rpm
Service Factor	1	Phase	1
Duty	Continuous	Insulation Class	B
Frame	56C	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	None	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N		

Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Round	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	10.02 in
Frame Length	5.37 in	Shaft Diameter	0.625 in
Shaft Extension	2.07 in		

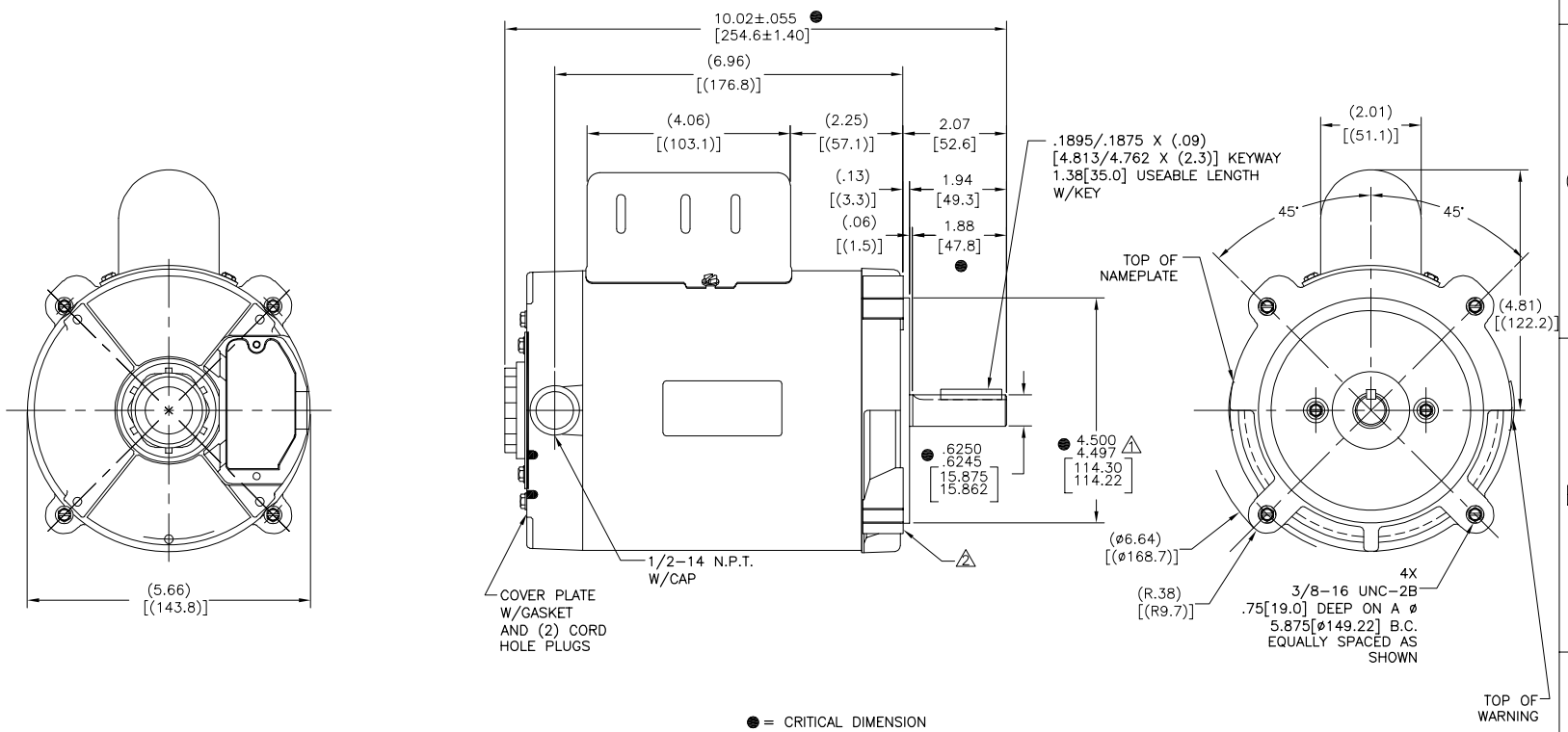
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:30/10/2019

REV	ECO	REV BY	DATE	APPD	DATE
D	0025577	H.ZHANG	04-24-2012	B.SHEN	04-24-2012

- ▲ PILOT DIAMETER IS CONCENTRIC WITH SHAFT CENTERLINE WITHIN .004[.10] T.I.R.
- ▲ FACE OF MOUNTING FLANGE IS PERPENDICULAR TO SHAFT CENTERLINE WITHIN .004[.10]T.I.R.
- 3 SHAFT RUNOUT NOT TO EXCEED .002[.05]T.I.R.

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

SHAFT EXT. = ±.034[.86]
 LEADS LENGTHS = ±1.00[25.4]
 EXTENDED
 THRU-BOLTS = ±.050[12.7]
 ANGULAR DIMS. = ±2'



● = CRITICAL DIMENSION

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 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-.04

CORNER FILLETS TO:
 INCH .020 mm 0.5
 MACHINE SURFACES:
 INCH 125 mm 3.2

METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	Samuel Jiménez M.	03-31-2009
APPD:	Stephanie Bowling	03-31-2009
THIRD ANGLE PROJECTION	EDS DATE	11-11-2011
	FORMAT REV	C
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.		

DESCRIPTION	
OUTLINE	
SIZE	DWG NO
C	C153L
SCALE	SHEET
NONE	1

4

3

2

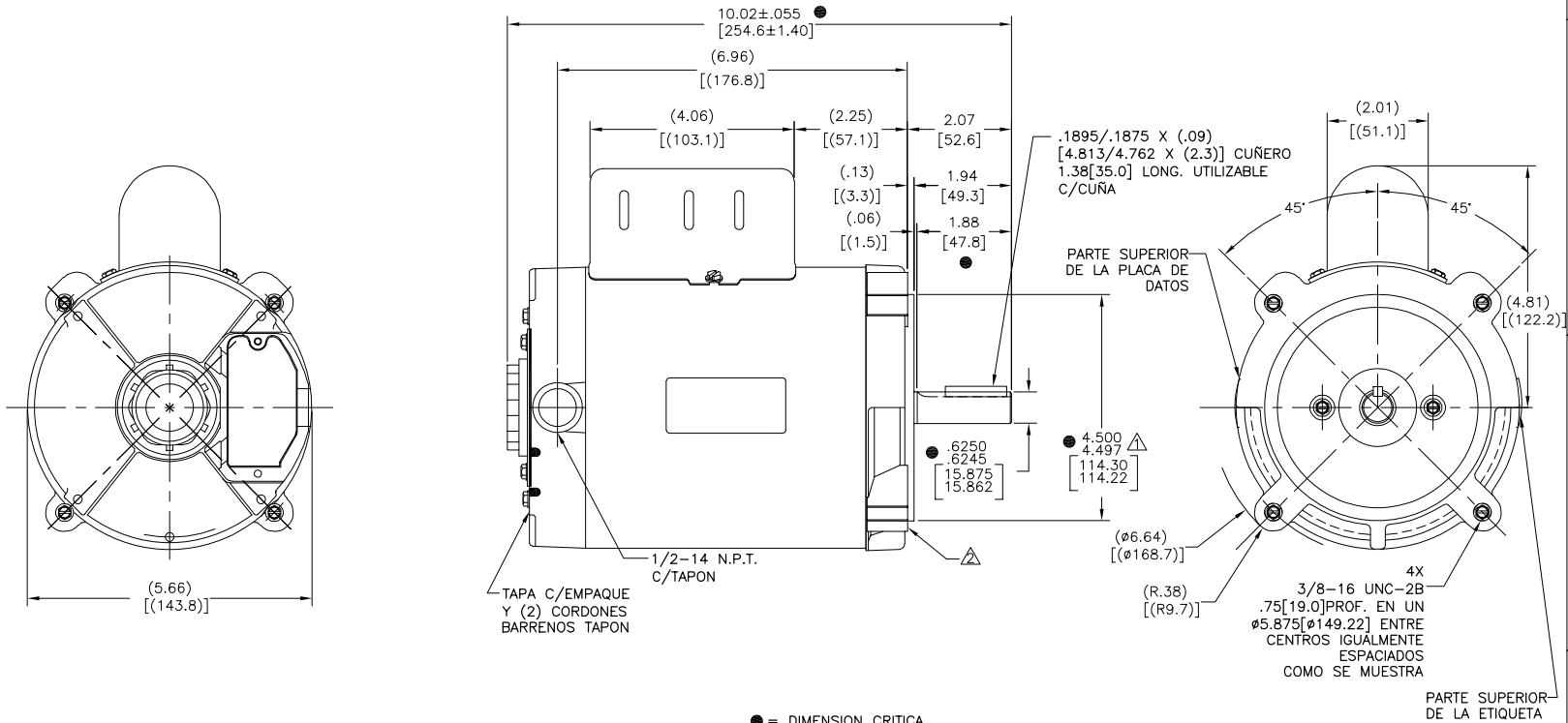
1

REVISIÓN:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
D	0025577	H.ZHANG	04-24-2012	B.SHEN	04-24-2012

- ⊕ DIAMETRO PILOTO ES CONCENTRICO CON LA LINEA DE CENTROS DE LA FLECHA DENTRO DE .004[.10] L.T.I.
- ⊥ EL BORDE DE LA CARA DE MONTAJE ES PERPENDICULAR A LA LINEA DE CENTROS DE LA FLECHA DENTRO DE .004[.10] L.T.I.
- 3 LA OSCILACION MAXIMA DE LA FLECHA NO DEBE EXCEDER .002[.05] L.T.I.

TODAS LAS DIMENSIONES MOSTRADAS EN PARENTESIS SON DIMENSIONES DE REFERENCIA. TODAS LAS OTRAS DIMENSIONES ESTAN TOLERANCIADAS DE ACUERDO A LA SIGUIENTE TABLA A MENOS QUE SE ESPECIFIQUE OTRA COSA.

EXT. DE FLECHA = ±.034[.86]
 LONG. DE CABLES = ±1.00[25.4]
 PERNOS PASADOS EXTENDIDOS = ±.050[12.7]
 DIMS. ANGULARES = ±2'



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 ±.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: Samuel Jiménez M. 03-31-2009	DESCRIPCION: OUTLINE
		APROBADO POR: Stephanie Bowling 03-31-2009	
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: C153L	ESCALA: NONE HOJA: 1

4

3

2

1

