

PRODUCT INFORMATION PACKET

Model No: K301CM2

Catalog No: K301CM2

General Purpose Farm Duty Motor, 7.5 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, F215TCZ Frame, TEFC



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Nameplate Specifications

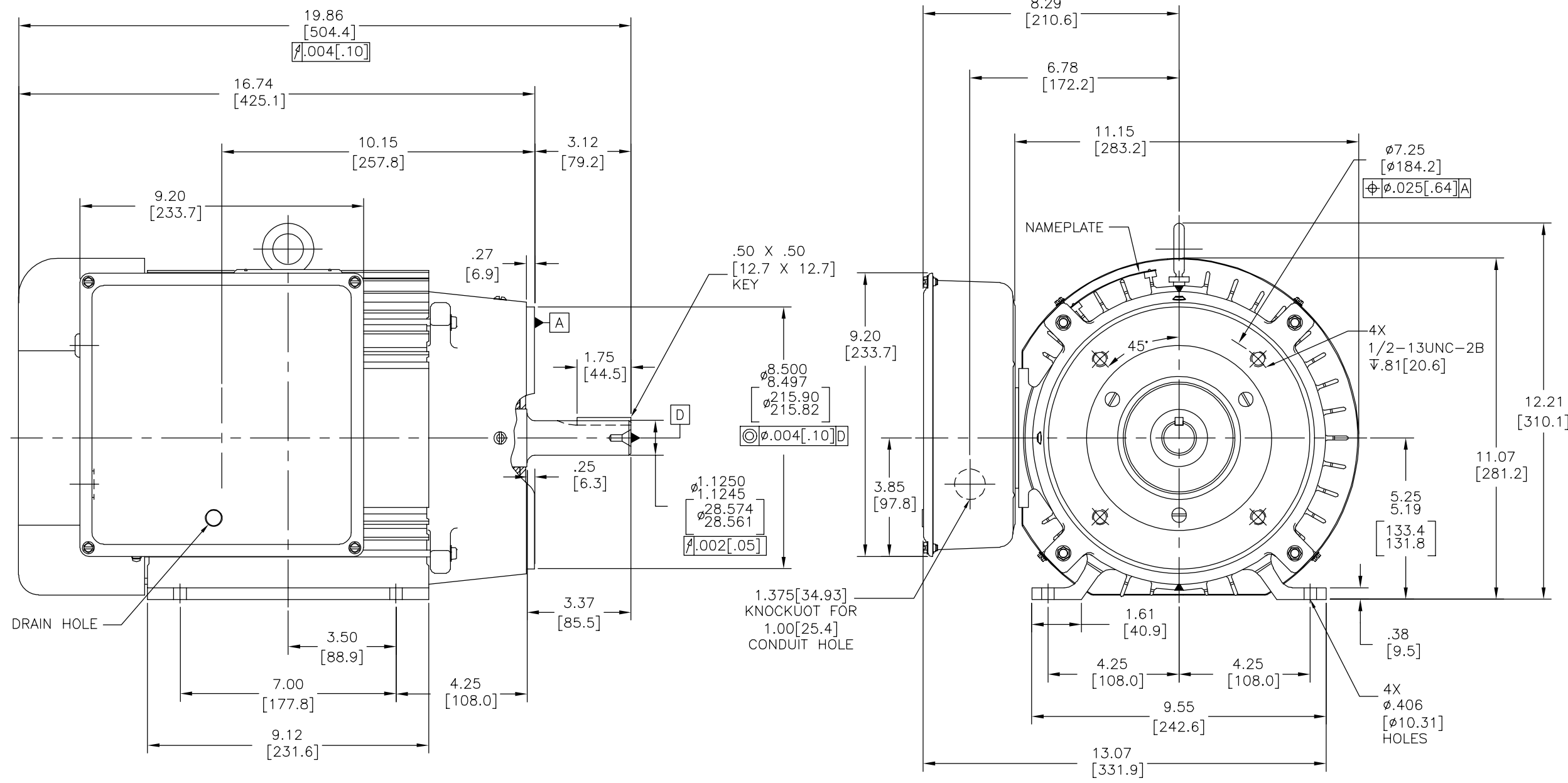
Output HP	7.5 Hp	Output KW	5.6 kW
Frequency	60 Hz	Voltage	230 V
Current	38.0 A	Speed	1740 rpm
Service Factor	1	Phase	1
Duty	Continuous	Insulation Class	B
Frame	F215TCZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	19.86 in
Frame Length	9.00 in	Shaft Diameter	1.125 in
Shaft Extension	3.50 in		
Outline Drawing	K301CM2-S01	Connection Drawing	35196501

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REV	ECO	REV BY	DATE	APPD	DATE
A	0030043	I.LOPEZ	01-28-2013	H.SANCHEZ	01-28-2013



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: I.LOPEZ 01-28-2013

APPD: D.JAMORA 01-28-2013

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011
FORMAT REV H

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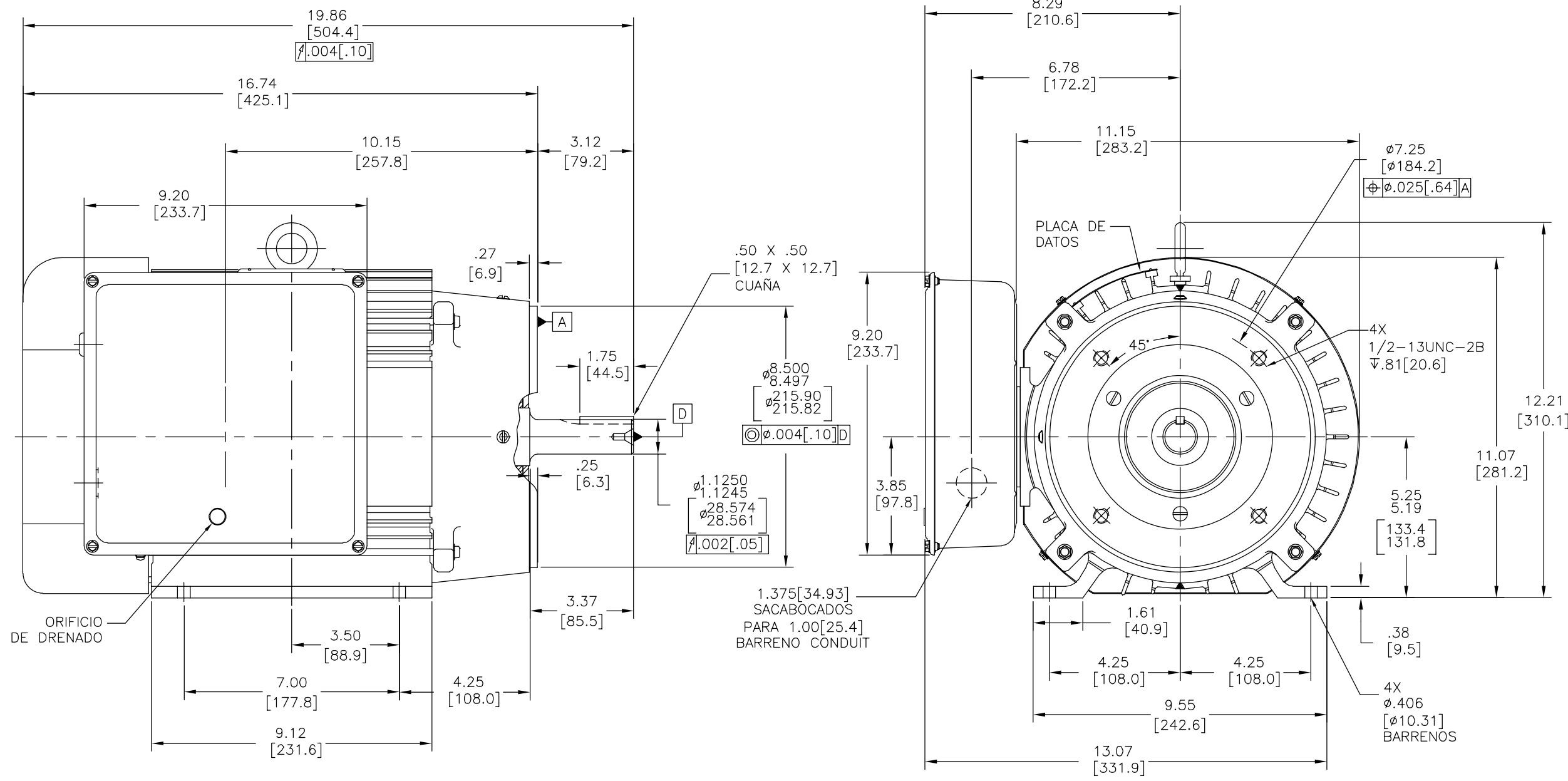
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DESCRIPTION: MODEL-IHP OUTLINE

SIZE C DWG NO K301CM2

SCALE NONE SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0030043	I.LOPEZ	01-28-2013	H.SANCHEZ	01-28-2013



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

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

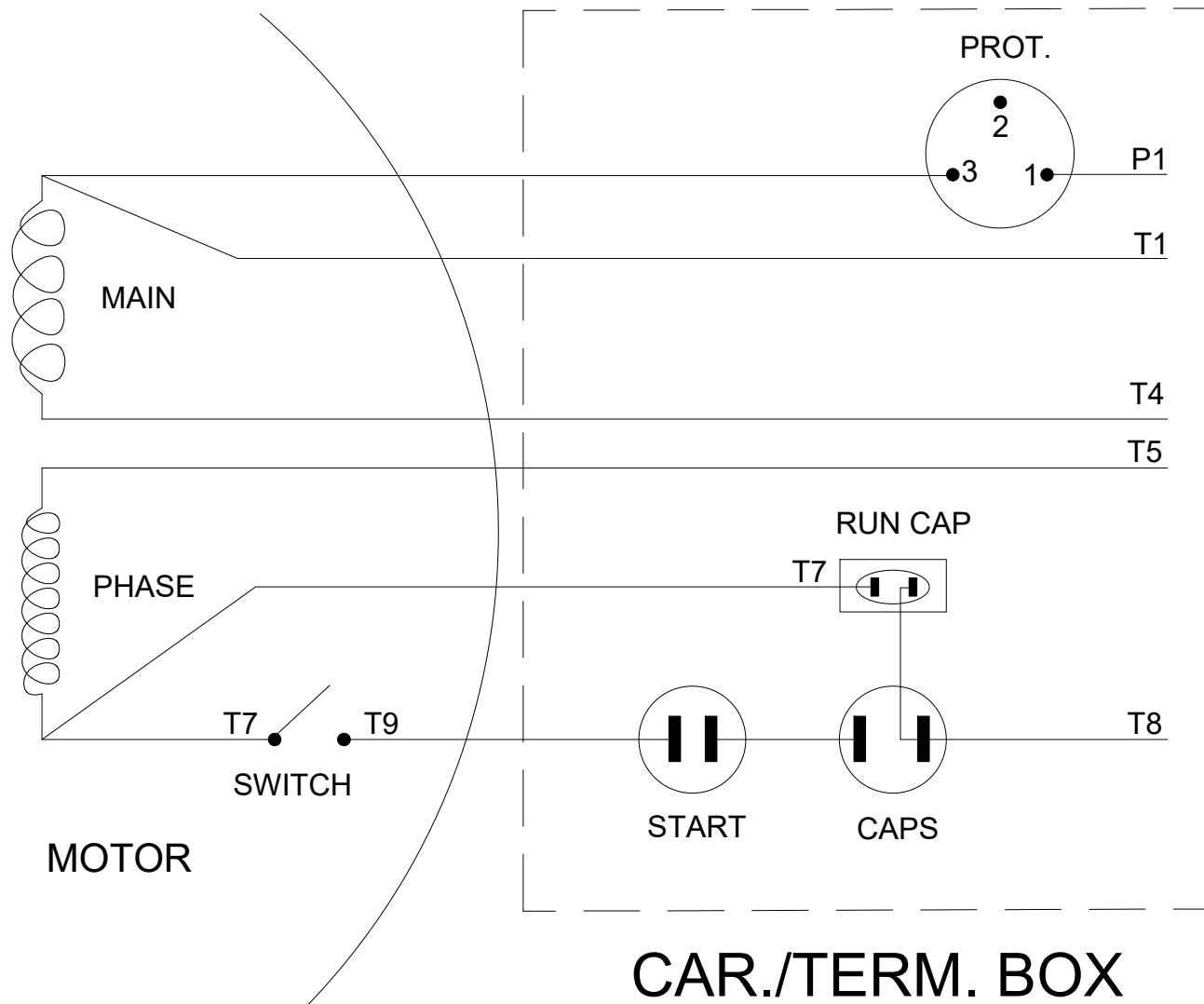
MAQUINAR SUPERFICIES

PULG 125 mm 3.2

DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR:	I.LOPEZ	01-28-2013
APROBADO POR:	D.JAMORA	01-28-2013
TERCER ANGULO DE PROYECCION	⊕	FECHA EDS: 11-11-2011
		REV. FORMATO: H
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REGAL REGAL-BELOIT CORPORATION	
DESCRIPCION:	
MODEL-IHP OUTLINE	
TAMAÑO: C	NUMERO DE DIBUJO: K301CM2
ESCALA: NONE	HOJA: 1



REPLACES 347008

DRAWING REVISION B	REVISION BY KR	REV DATE/ © DATE 08/30/2022
REQUEST NUMBER CR-0011051	APPROVED BY YV	DATE 08/30/2022

TOLERANCES (EXCEPT AS NOTED):

DEC.	INCH	mm	ANGLE
.X	±0.1	[±3]	±7' 30"
.XX	±0.02	[±0.5]	
.XXX	±0.005	[±0.13]	
.XXXX	±0.0005	[±0.013]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 °
 CORNER FILLETS: R.02 [.5]
 MACHINED SURFACES: 200 / 5.1 INCH √mm
 mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY BY	DATE 03/15/84
APPROVED BY JJR	DATE 03/16/84
REFERENCE	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.		DESCRIPTION CONN DIAGRAM EXTERNAL	
		MATERIAL	PROCESS/FINISH
SIZE A	DRAWING NUMBER 5 of 5	SHEET 35196501 1 OF 1	

REQUEST NUMBER DESCRIPTION
 UPDATED LEADS FROM 1,4,5,7,8,9 TO T1,T4,T5,T7,T8,T9

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