

# PRODUCT INFORMATION PACKET

Model No: K327M2

Catalog No: K327M2

Crop Dryer Motor, 10 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215TZ Frame, ODP

**Century**® CROP DRYER

CAT. NO- K327M2  
MODEL- K327M2  
FR- 215TZ PH- 1 TYPE- DR  
AMB- 50°C INS- F4 DUTY-AIROVER  
DES-

HZ- 60/60  
HP- 10/12  
RPM- 1715/1690  
VOLT- 230&230  
FLA- 39.6&47.6  
SF- 1.0/1.0

**UL**  
E49747  
**SF**  
LR2025

WITH OVERHEAT PROTECTIVE DEVICE  
CCW CW  
T1 L1 T1  
T8 L2 T5  
T4 T4  
T5 T8  
36394

SFA-  
CODE- B ENC.- DPAO  
PE BRG- 6307 OPE BRG- 6307  
PERMANENTLY LUBRICATED-BALL BEARING  
BLOWER DUTY ONLY  
251-17-MT2

**WARNING** FAILURE TO FOLLOW ALL SAFETY INFORMATION CAN RESULT IN SERIOUS PERSONAL INJURY OR DEATH. DISCONNECT ALL POWER BEFORE SERVICING. INSTALL AND GROUND PER LOCAL AND NATIONAL CODES CONSULT QUALIFIED PERSONNEL WITH ANY QUESTIONS. ASSEMBLED IN MEXICO

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**Nameplate Specifications**

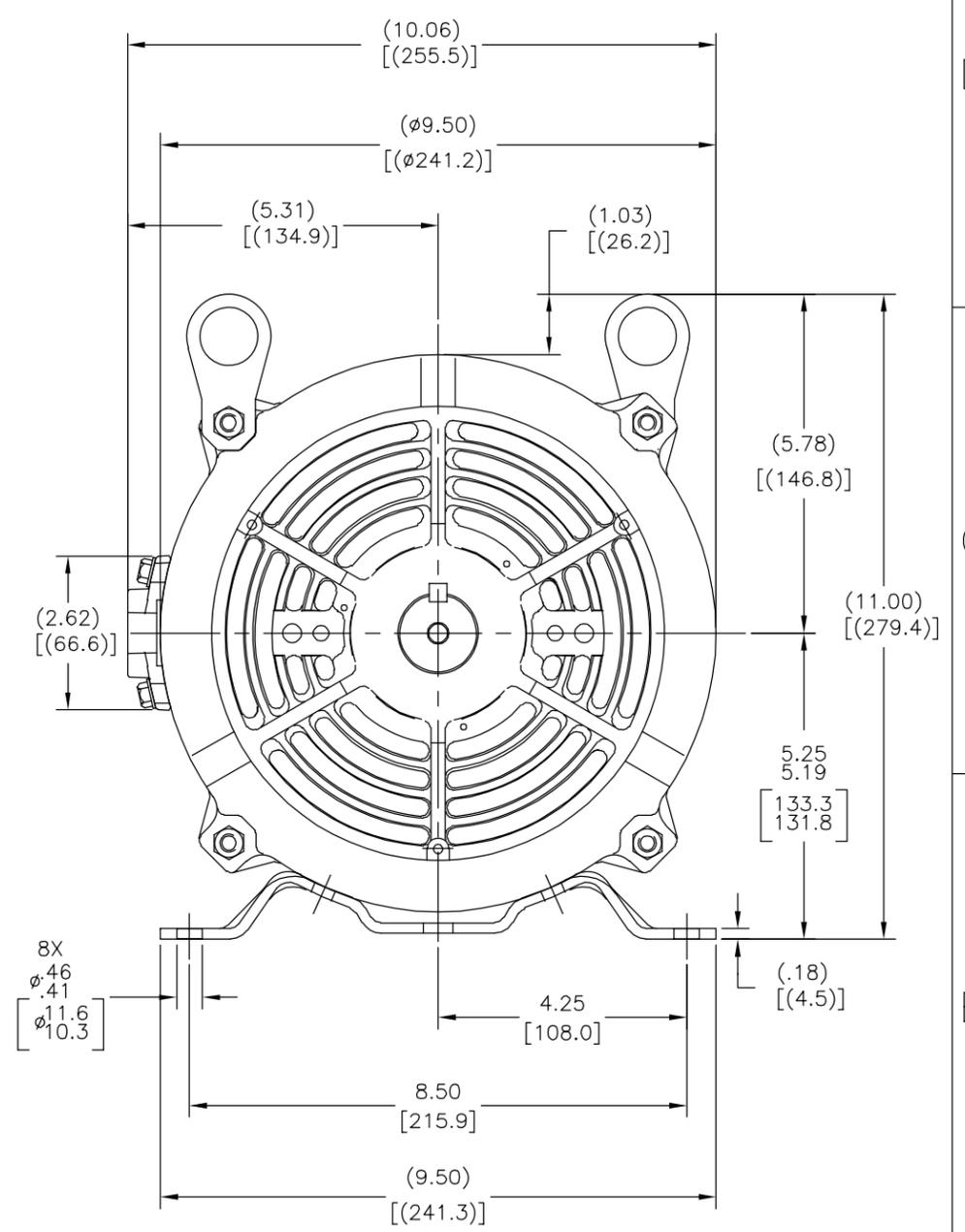
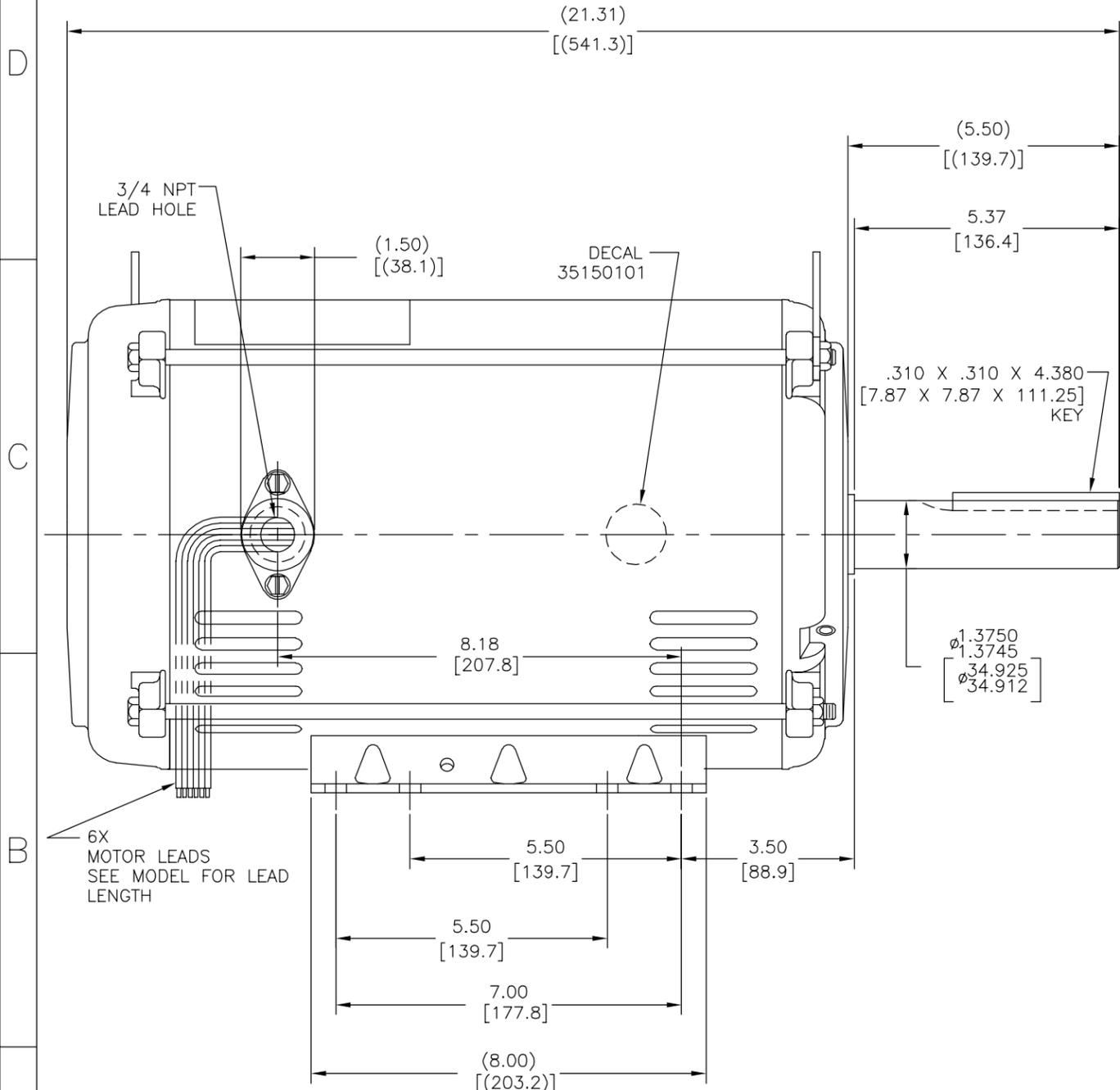
Output HP	<b>10 Hp</b>	Output KW	<b>7.5 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>230 V</b>
Current	<b>39 A</b>	Speed	<b>1715 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Duty	<b>Continuous Air Over</b>	Insulation Class	<b>F</b>
Frame	<b>215TZ</b>	Enclosure	<b>Open Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Ambient Temperature	<b>50 °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>DC Permanent Magnet</b>	Starting Method	<b>Across The Line</b>
Poles	<b>4</b>	Rotation	<b>Selective 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>21.32 in</b>
Frame Length	<b>12.40 in</b>	Shaft Diameter	<b>1.375 in</b>
Shaft Extension	<b>5.5 in</b>		
Outline Drawing	<b>K327M2-S01</b>	Connection Drawing	<b>D0000445-001</b>

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REV	ECO	REV BY	DATE	APPD	DATE
A	0029861	I.LOPEZ	01-17-2013	H.SANCHEZ	01-17-2013



NOTES:  
1 NAMEPLATE TO BE READ FROM LEAD EXIT SIDE OF MOTOR

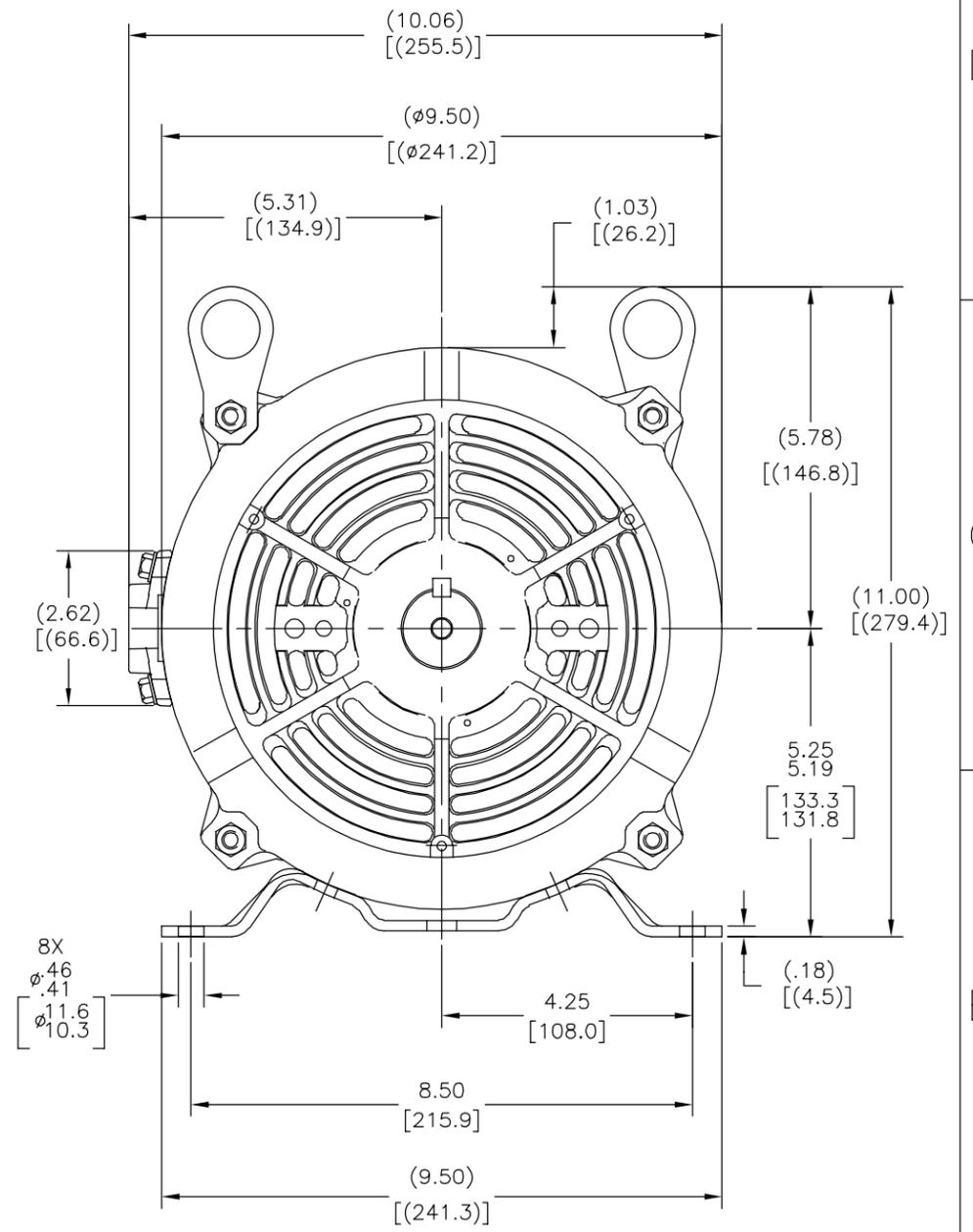
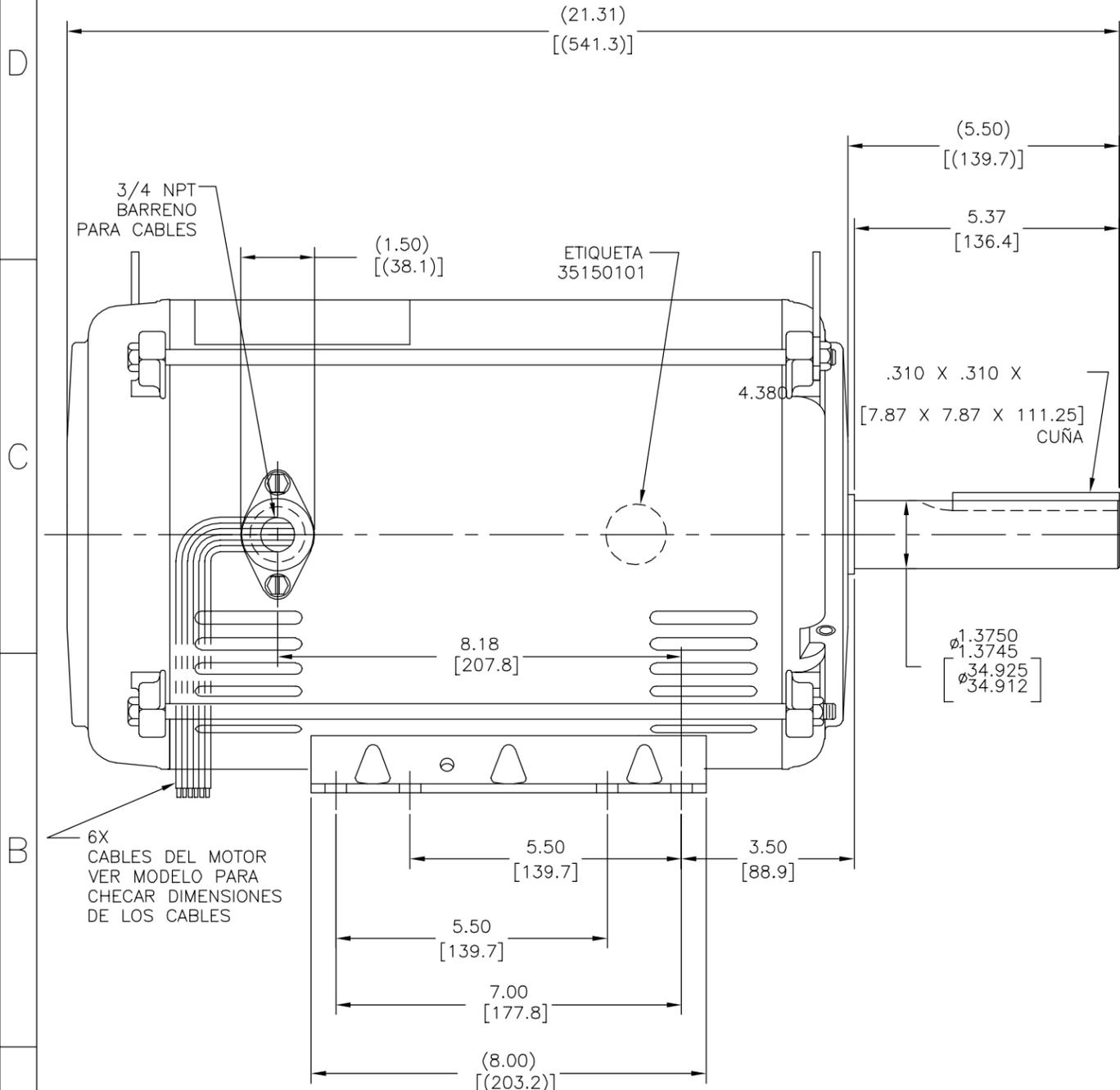
GEOMETRIC CHARACTERISTICS & SYMBOLS	
▭	FLATNESS
—	STRAIGHTNESS
∠	ANGULARITY
⊥	PERPENDICULARITY (SQUARENESS)
∥	PARALLELISM
○	ROUNDNESS (CIRCULARITY)
⊘	CYLINDRICITY
△	PROFILE OF ANY SURFACE
∩	PROFILE OF ANY LINE
↯	RUNOUT
⊕	TRUE POSITION
◎	CONCENTRICITY
≡	SYMMETRY
ASME Y14.5M 1994	

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	01-17-2013
APPD:	D.JAMORA	01-17-2013
THIRD ANGLE PROJECTION	⊕	EDS DATE 11-11-2011 FORMAT REV H
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<b>REGAL</b> REGAL-BELOIT CORPORATION	
DESCRIPTION MODEL-IHP OUTLINE	
SIZE C	DWG NO K327M2
SCALE NONE	SHEET 1

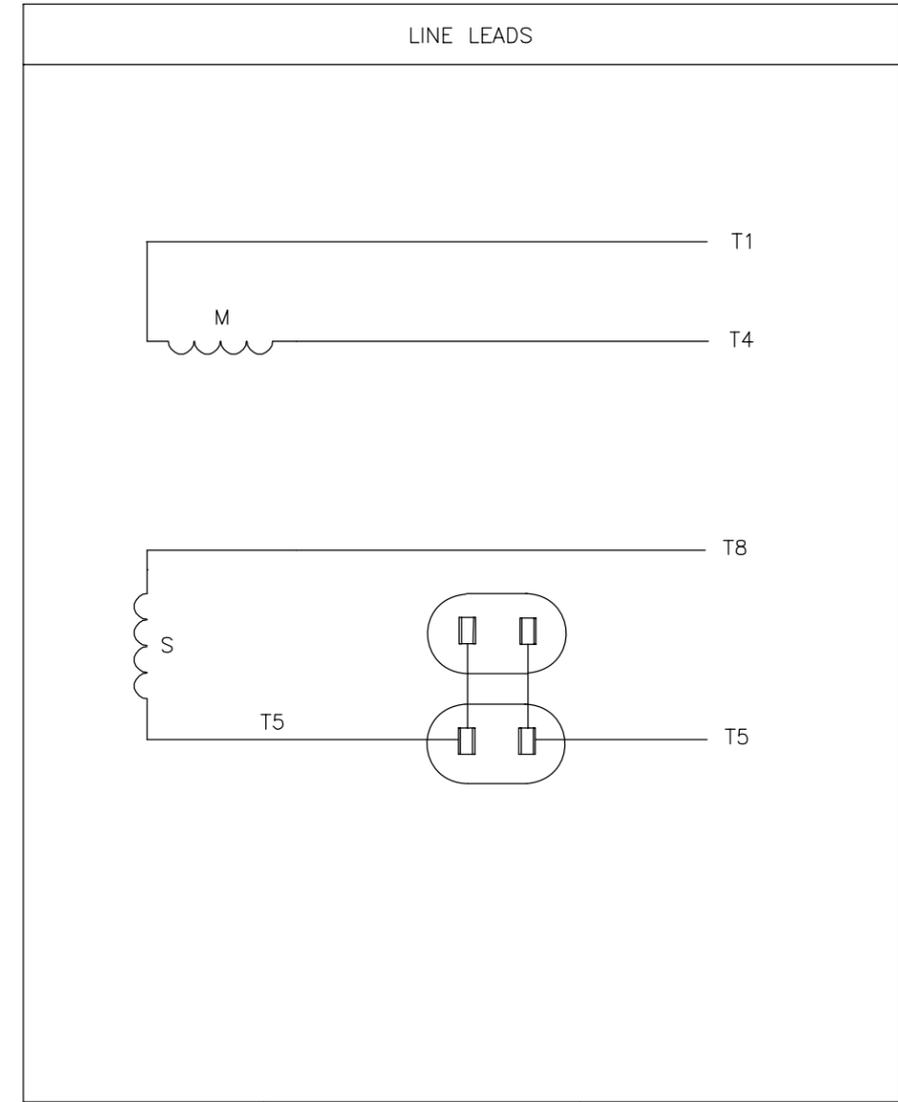
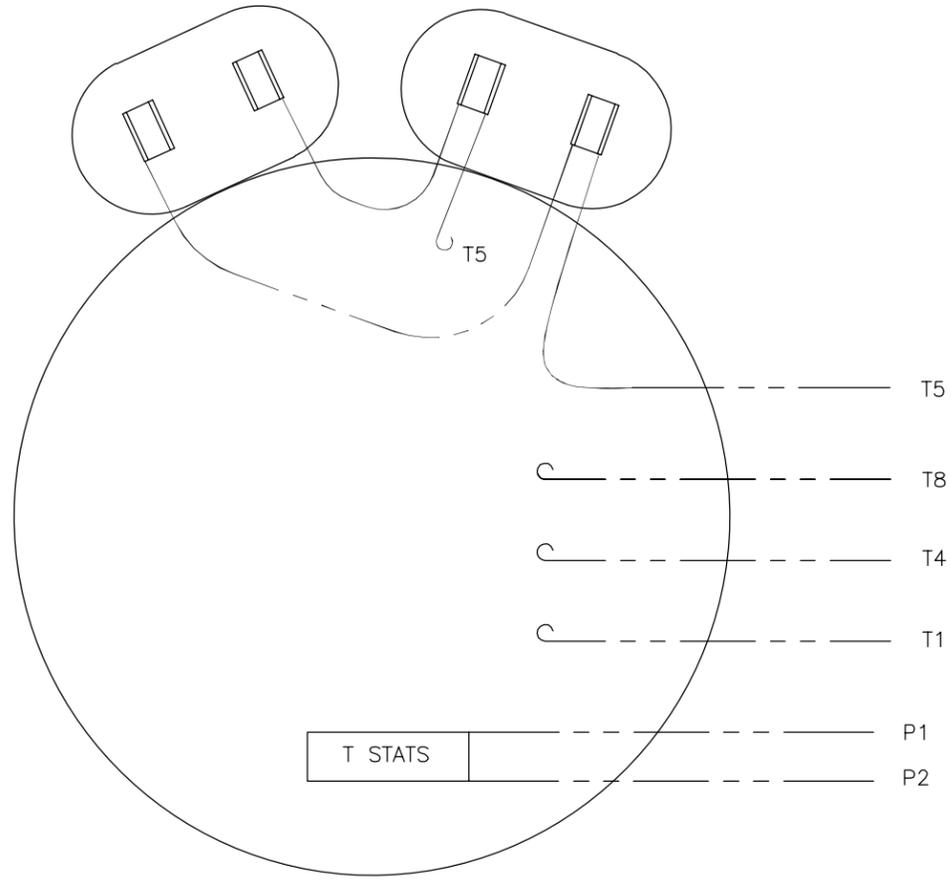
REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0029861	I.LOPEZ	01-17-2013	H.SANCHEZ	01-17-2013



NOTAS:  
1 LA PLACA DE DATOS SERA LEIDA DESDE EL LADO DE LA SALIDA DE CABLES DEL MOTOR

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	DIBUJADO POR: I.LOPEZ	01-17-2013	REGAL-BELOIT CORPORATION	
		APROBADO POR: D.JAMORA	01-17-2013		DESCRIPCION: MODEL-IHP OUTLINE
		TERCER ANGULO DE PROYECCION	FECHA EDS: 11-11-2011 REV. FORMATO: H	TAMAÑO: C	NUMERO DE DIBUJO: K327M2
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.		ESCALA: NONE	HOJA: 1

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



ROTATION	FACING	L1	L2
	LEAD END		
	C.W.	T1,T5	T4,T8
	C.C.W.	T1,T8	T4,T5

DRAWING REVISION B	REVISION BY A.ARREOLA	DATE 02-24-2014	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE .X ±0.1 (±2.5) ±0.5° .XX ±0.02 (±0.51) .XXX ±0.005 (±0.127) .XXXX ±0.0005 (±0.0127)	DRAWN BY: H.SANCHEZ	Regal Beloit America, Inc.
ECO 0046112	APPROVED BY M.AVILA	DATE 02-24-2014	REMOVE BURRS & BREAK SHARP EDGES .003/.015 (0.076/.381) CORNER/FILLETS .02 (1.51) MACHINED SURFACES $\frac{125}{\text{INCH}} \sqrt{\text{mm}}$ 3/2 mm SHOWN IN [BRACKETS]	DATE: 12-13-2012	
ECO DESCRIPTION UPDATED CONNECTION DIAGRAM				APPROVED BY: D.JAMORA	DESCRIPTION CONN DIAGRAM-EXTERNAL
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				PROCESS/FINISH	SIZE DWG NO C D0000445-001
				THIRD ANGLE PROJECTION	SHEET 1