

PRODUCT INFORMATION PACKET

Model No: E100056.00

Catalog No: E100056.00

General Purpose Motor, 0.50 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, S56C Frame, DP



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Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	230/460 V
Current	1.8/0.90 A	Speed	3450 rpm
Service Factor	1.25	Phase	3
Efficiency	73.4 %	Power Factor	77
Duty	Continuous	Insulation Class	B
Design Code	NO DESIGN CODE	KVA Code	N
Frame	S56C	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	11.04 in
Frame Length	6.72 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	D0000283-001	Outline Drawing	E100056

4

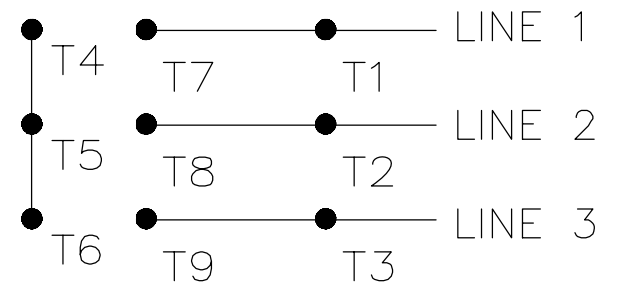
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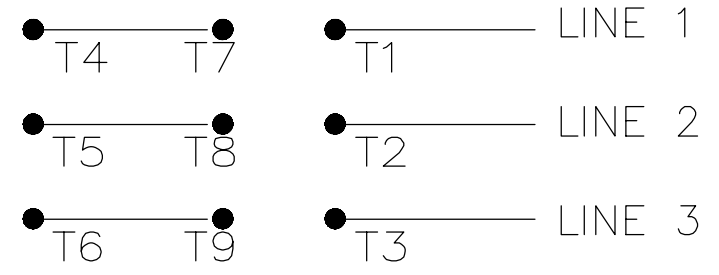
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REV	ECO	REV BY	DATE	APPD	DATE
A	0016784	R.RASCON	10-12-2010	D.JUAREZ	10-12-2010

LOW VOLTAGE



HIGH VOLTAGE



TO REVERSE ROTATION FOR EITHER VOLTAGE, INTERCHANGE ANY 2 LINE LEADS

NOTES:

1. DATTED BOX REPRESENTS TOTAL PRINTED AREA ALLOWED FOR CONNECTION DIAGRAM TO FIT IN (.75[19.1] X 2.13[54.1]) SEE NAMEPLATE DRAWING 170500 OR 170501 FOR LOCATION.
2. CHARACTERS ARE TO BE A MINIMUM OF .03[.8] TO .06[1.5] MAXIMUM IN HEIGHT.
3. DETAILS ARE NOT TO BE COPIED FROM DRAWING, BUT ARE TO BE REPRODUCED FROM ORIGINAL ARTWORK FURNISHED.

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:

	X	XX	XXX	XXXX
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:	R.RASCON	10-12-2010
APPD:	D.JUAREZ	10-12-2010
THIRD ANGLE PROJECTION		EDS DATE 02-22-2008 FORMAT REV F
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		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
DESCRIPTION CONN DIAGRAM-NAMEPLATE			
SIZE B	DWG NO D0000283-001		
SCALE NONE			SHEET 1

4

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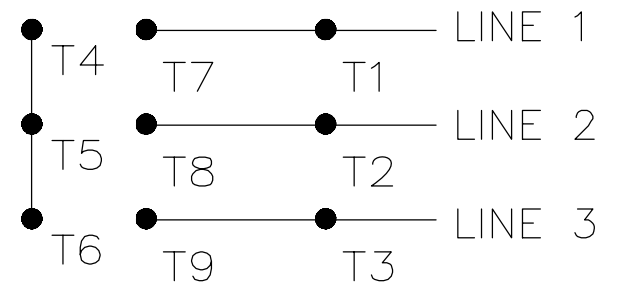
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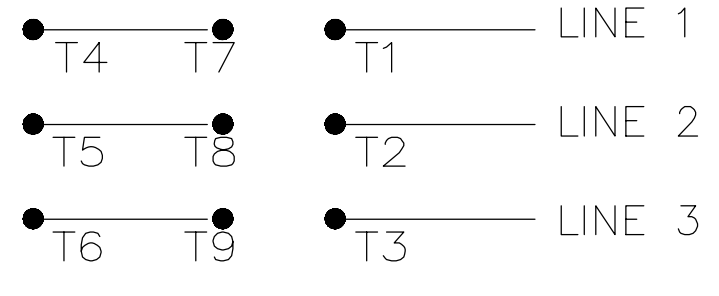
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0016784	R.RASCON	10-12-2010	D.JUAREZ	10-12-2010

LOW VOLTAGE



HIGH VOLTAGE



TO REVERSE ROTATION FOR EITHER VOLTAGE, INTERCHANGE ANY 2 LINE LEADS

NOTAS:

1. LA CAJA PUNTEADA REPRESENTA EL TOTAL DEL AREA IMPRESA TOTAL PERMITIDA PARA UN DIAGRAMA DE CONEXION PA5A ANCAJAR EN (.75[19.1] X 2.13 [54.1]) VER EL DIBUJO DE LA PLACA DE IDENTIFICACION 170500 O 170501 PARA LOCALIZACION.
2. LOS CARACTERES DEBEN SER DE UN MINIMO DE ALTURA DE .03[.8] A UN MAXIMO DE .06[1.5].
3. LOS DETALLES NO DEBEN SER COPIADOS DEL DIBUJO, SINO DEBEN SER REPRODUCIDOS DE LAS ILUSTRACIONES ORIGINALES EQUIPADAS.

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS

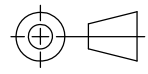
- ∇ PLANICIDAD
- RECTITUD
- ∠ ANGULARIDAD
- ⊥ PERPENDICULARIDAD (A ESCUADRA)
- // PARALELISMO
- REDONDEZ (CIRCULARIDAD)
- ⊘ CILINDRICIDAD
- ⌒ PERFIL DE CUALQUIER SUPERFICIE
- ⌒ PERFIL DE CUALQUIER LINEA
- ↑ VARIACION
- ⊕ POSICION REAL
- ⊙ CONCENTRICIDAD
- ≡ SIMETRIA


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: R.RASCON	10-12-2010
APROBADO POR: D.JUAREZ	10-12-2010
TERCER ANGULO DE PROYECCION	 FECHA EDS: 02-22-2008 REV. FORMATO: F
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AC Smith
Innovation has a name.

ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION

DESCRIPCION:
CONN DIAGRAM-NAMEPLATE

TAMAÑO: B NUMERO DE DIBUJO: D0000283-001

ESCALA: NONE HOJA: 1

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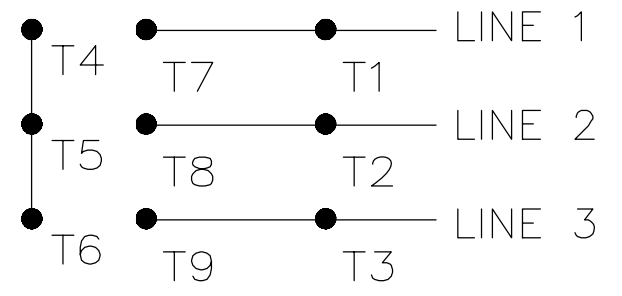
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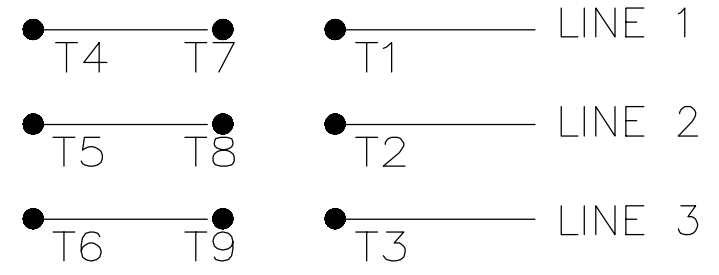
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版本	ECO	编制	日期	批准	日期
A	0016784	R.RASCON	10-12-2010	D.JUAREZ	10-12-2010

LOW VOLTAGE



HIGH VOLTAGE



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B

B

A

A

形位公差	除另有注明
□ 平面度	尺寸公差如下:
— 直线度	英寸 X XX XXX XXXX
∠ 倾斜度	英寸 ±.1 ±.02 ±.005 ±.0005
⊥ 垂直度	毫米 ±0.5 ±0.13 ±0.013
// 平行度	角度 ±.50 度
○ 圆度	清理毛刺和尖棱
∅ 圆柱度	英寸 .003-.015 毫米 0.1-0.4
△ 面轮廓度	内圆角
∩ 线轮廓度	英寸 .020 毫米 0.5
↗ 圆跳动	表面粗糙度
⊕ 位置度	英制 125 米制 3.2
◎ 同轴度	米制尺寸显示在 []
≡ 对称度	

绘图:	R.RASCON	10-12-2010
批准:	D.JUAREZ	10-12-2010
第三角投影		图纸格式发布日期 02-22-2008 图纸格式版本 F
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ASME Y14.5M 1994		

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名称 CONN DIAGRAM-NAMEPLATE			
图幅	B	图号	D0000283-001
比例	NONE	页号	1

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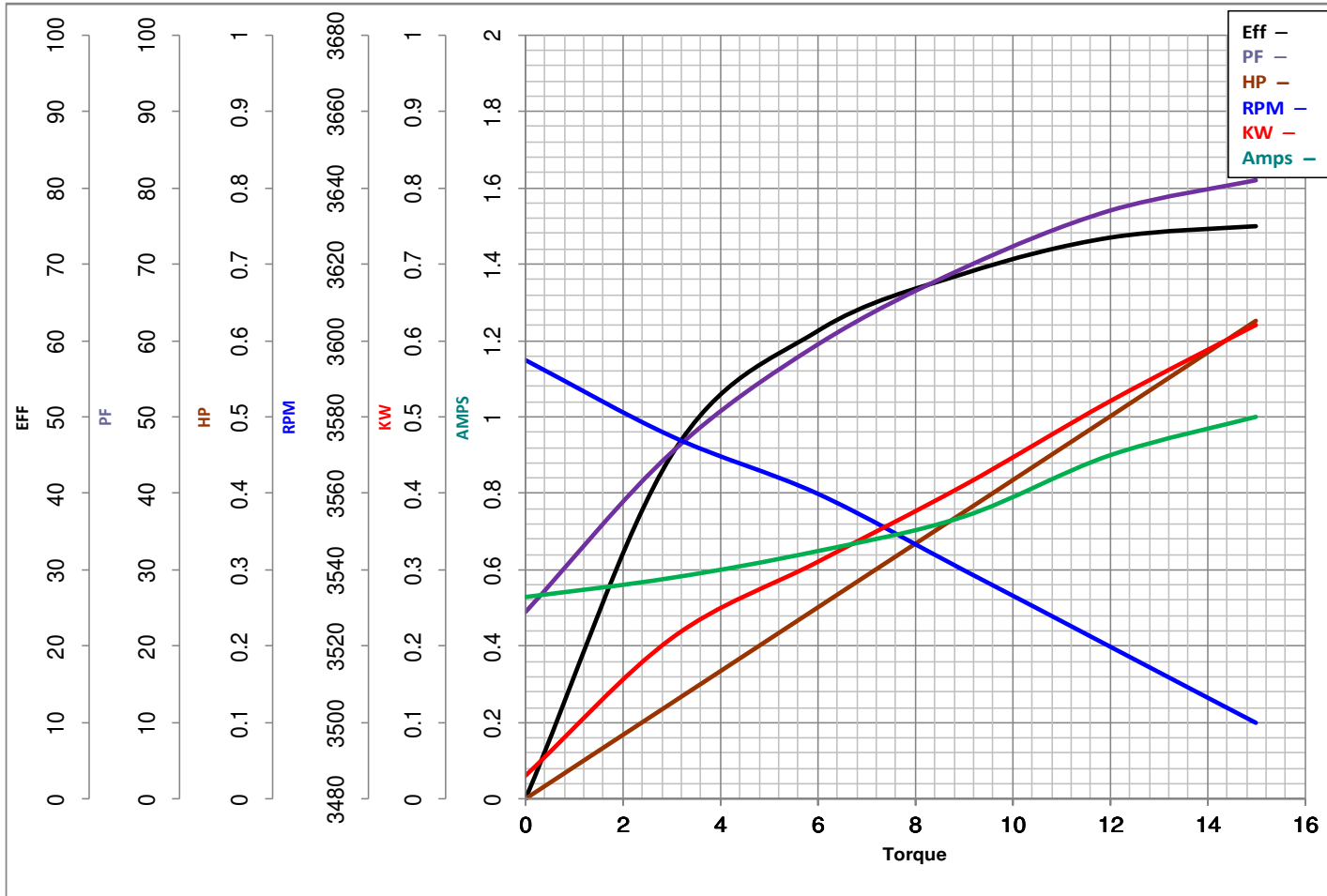
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No E100056.00

Curve at 460 Volts HP 0.5&0.5 PHASE 3
60 HZ
0.5 HP VOLTS 230/460&190/380

Catalog No E100056.00

HZ 60&50 RPM 3450&2850



Torque in Oz.Ft

FL TORQUE 12 Oz.Ft
 BD TORQUE 61.3 Oz.Ft
 LR TORQUE 47.2 Oz.Ft

FL AMPS 1.8/0.9
 PU TORQUE 45.6 Oz.Ft
 LR AMPS 7.41

WINDING 2511970-4

Date 3/28/2019