

PRODUCT INFORMATION PACKET



Model No: BL6412

Catalog No: BL6412

Fan and Blower Motor, 1/6 HP, 1 Ph, 60 Hz, 115 V, 1050 RPM, 1 Speed, 42 Frame, OAO



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Nameplate Specifications

Output HP	1/6 Hp	Output KW	0.13 kW
Frequency	60 Hz	Voltage	115 V
Current	5.5 A	Speed	1050 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	42Y	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Shaded Pole	Starting Method	Across The Line
Poles	6	Rotation	Counterclockwise Lead End
Mounting	Resilient Rings	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	N/A	Shaft Type	Flat
Overall Length	7.50 in	Shaft Diameter	0.500 in
Shaft Extension	3.7 in		
Connection Drawing	261B865F01	Outline Drawing	11674-002

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GENERAL INFORMATION:

SHAFT RUNOUT: .001[.03] T.I.R. PER INCH LENGTH OF EXTENSION

END PLAY: .010[.25] TO .063[1.60]

BEARINGS: SLEEVE

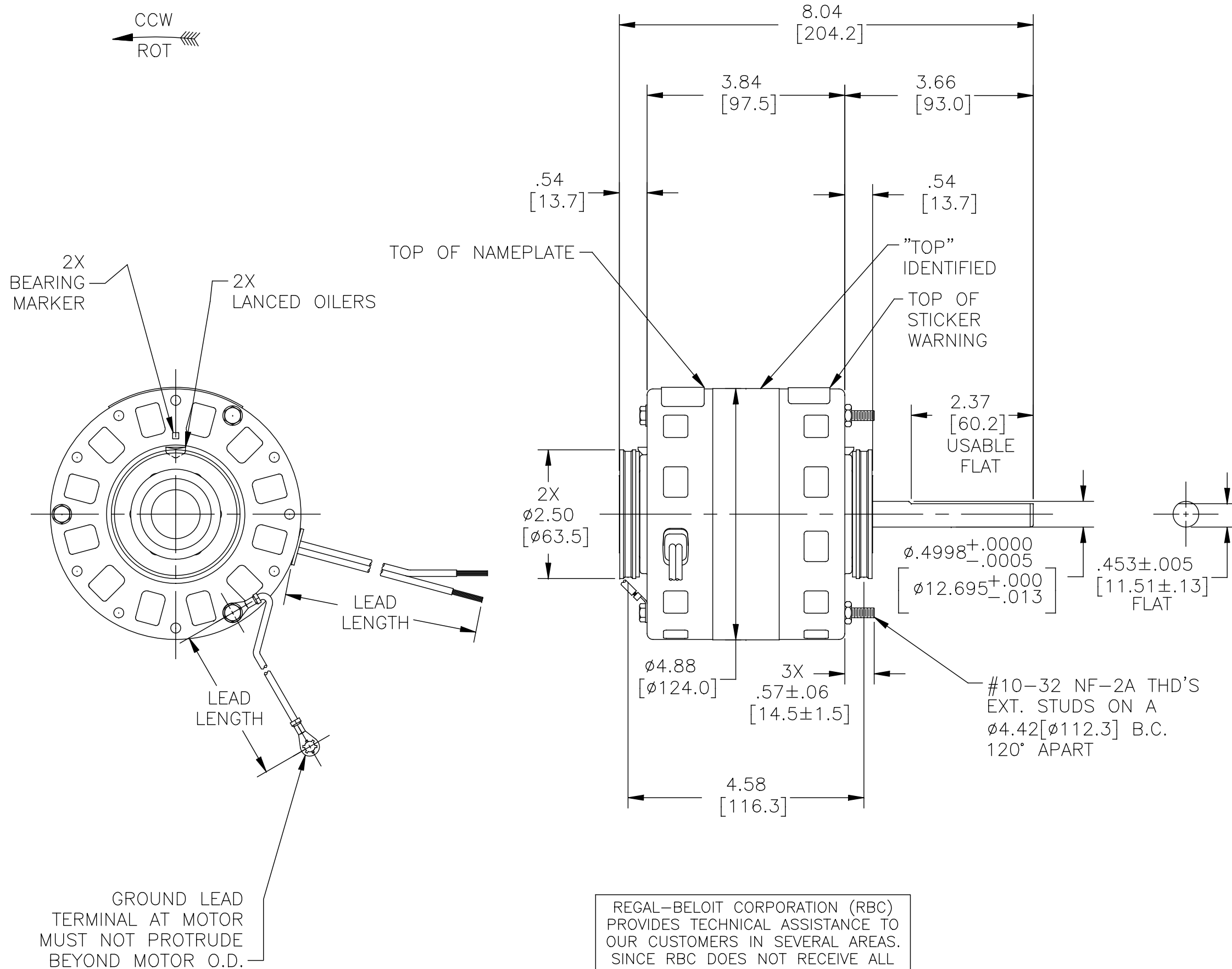
MOUNTING POSITION: HORIZONTAL

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 304)

LEADS: NO. 18 GA., .06[1.5] THK., 125°C INSULATION

GROUND LEAD: NO. 18 GA., .03[.8] THK., GREEN INSULATION



GROUND LEAD TERMINAL AT MOTOR MUST NOT PROTRUDE BEYOND MOTOR O.D.

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

MAIN FRAME - OLE	OPEN
END FRAME - OLE	OPEN
MAIN FRAME - LE	OPEN
END FRAME - LE	OPEN

CUSTOMER	DISTRIBUTION SERVICE
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GREEN (GRD)	7.0/9.0 [178/229]	#10 EYELET
2 CONDUIT RIPCORD	18.0/20.0 [457/508]	.60[15.2] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH
LEAD DATA		

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: 326P208 CUST. P/N: BL6412 HP: 1/6 ROT.: CCWLE RPM: 1050 TYPE: FE FRAME: 42Y VOLTS: 115 PH: 1 AMPS: 5.5 HZ: 60 INS.: B AMB.: 40° C DUTY: AIR COVER CAP.: - ENCL.: - UL LOGO CSA LOGO THERMALLY PROTECTED TYPE C	

PERFORMANCE CURVE NO.	TORQUE @ 1050 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE #	CCN #	FILE #	CLASS #
C30520	15.4 OZ. FT.	A7010A	E46412	PRGY2	LR43341	4211-01

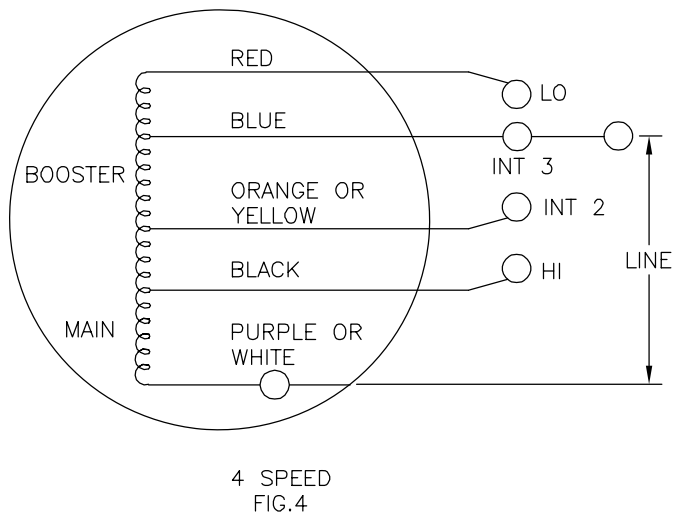
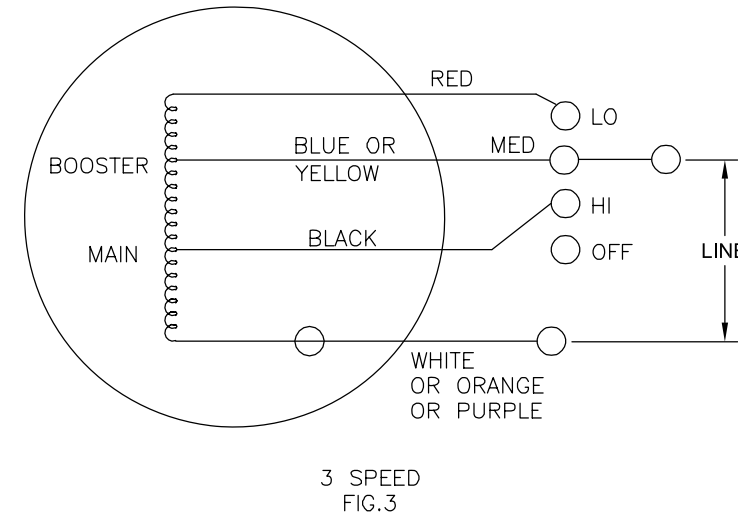
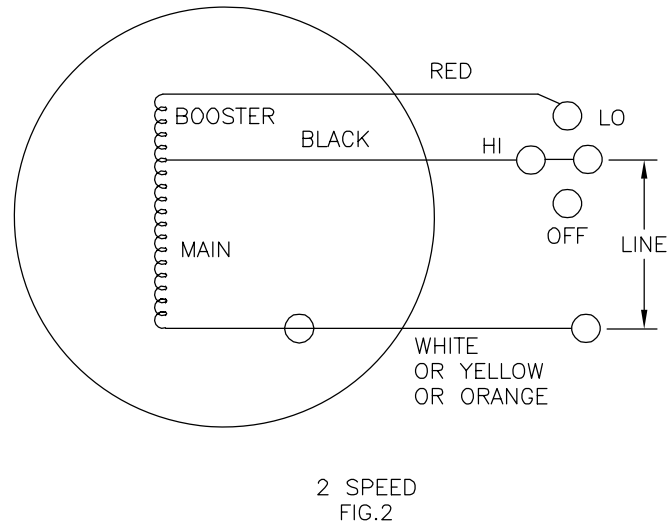
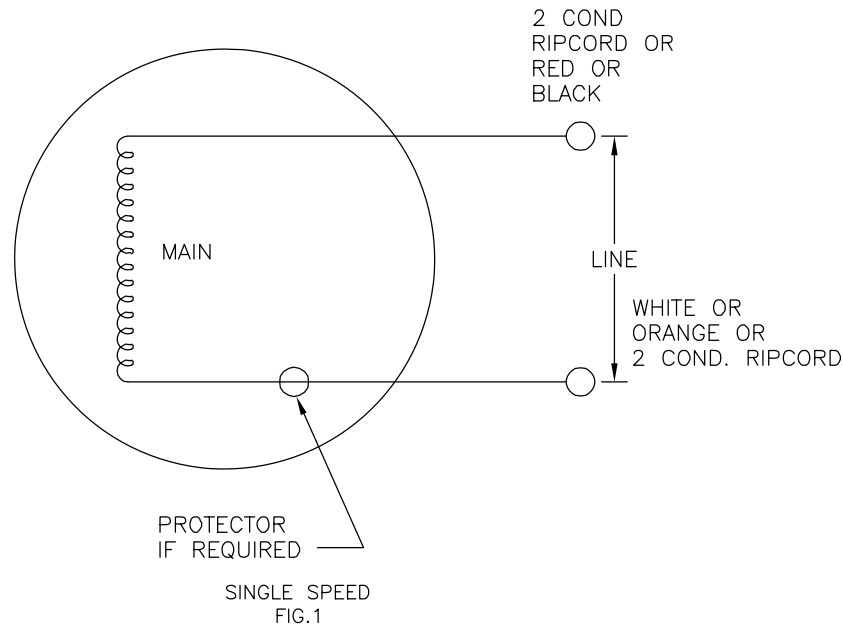
DRAWING REVISION G	REVISION BY J.CHAI	DATE 07-01-2016
ECO	APPROVED BY C.ZHANG	DATE 07-01-2016
ECO DESCRIPTION SEE ECO		

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DRAWN BY: MCNAMEE	Regal Beloit America, Inc.
DATE: 08-23-1990	
APPROVED BY: T.RILEY	DESCRIPTION: MODEL-RFHP-48FR OUTLINE
DATE: 11-06-1995	MATERIAL: -
REFERENCE: -	PROCESS/FINISH: -
THIRD ANGLE PROJECTION	SIZE DWG NO: 11674-002
	SHEET 1

REV	ECO	REV BY	DATE	APPD	DATE
T	ECO-0018824	J.HESS	04-15-2011	J.HESS	04-15-2011

FOR SINGLE SPEED ONLY
COLOR OF LEADS TO BE OPTIONAL



QUALITY CONTROL NOTE:
TO CHECK THE WINDINGS FOR OPENS VERIFY THE CONTINUITY AS OUTLINED BELOW.
FIG.1 BETWEEN WHITE AND BLACK OR WHITE & RED LEADS
FIG.2, 3 & 4, BETWEEN THE WHITE & RED LEADS.

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:

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:	KLINE	10-24-1966
APPD:	RDS	10-27-1966
THIRD ANGLE PROJECTION		EDS DATE 02-22-2008 FORMAT REV F
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ACSmith Innovation has a name.		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
DESCRIPTION CONN DIAGRAM-EXTERNAL			
SIZE C	DWG NO 261B865F01	SHEET 1	
SCALE NONE			

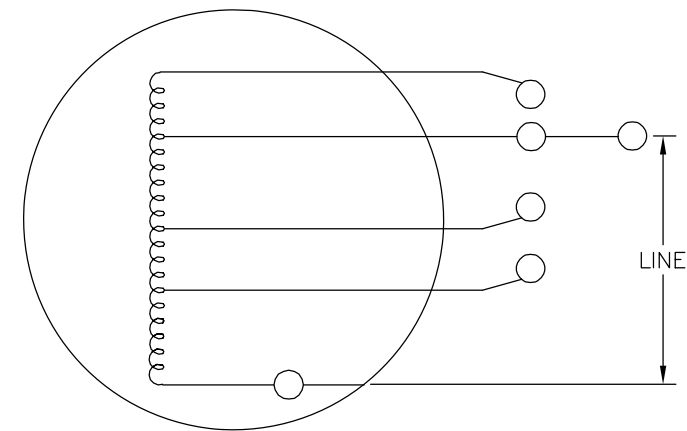
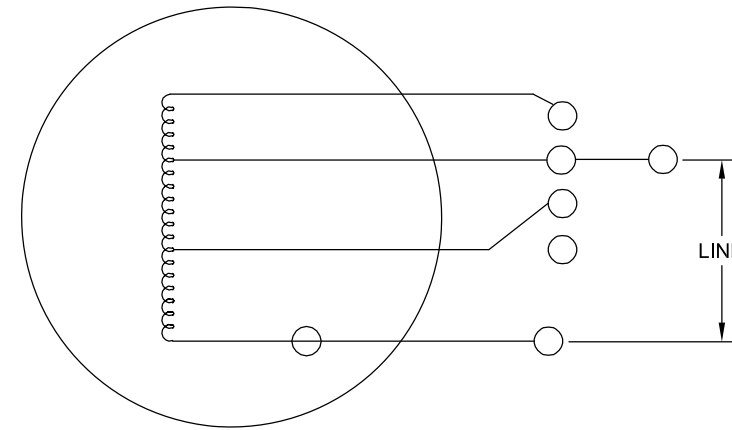
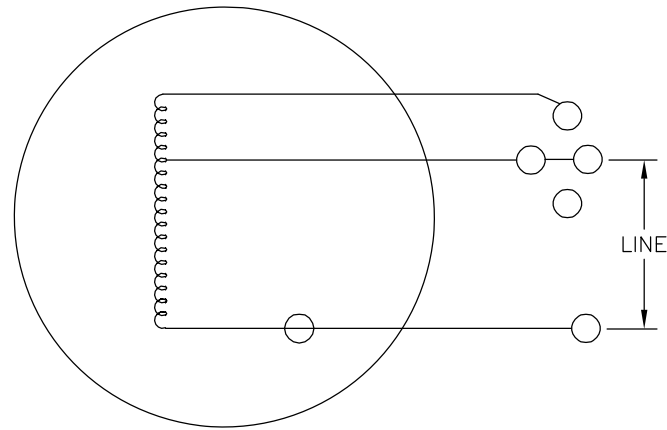
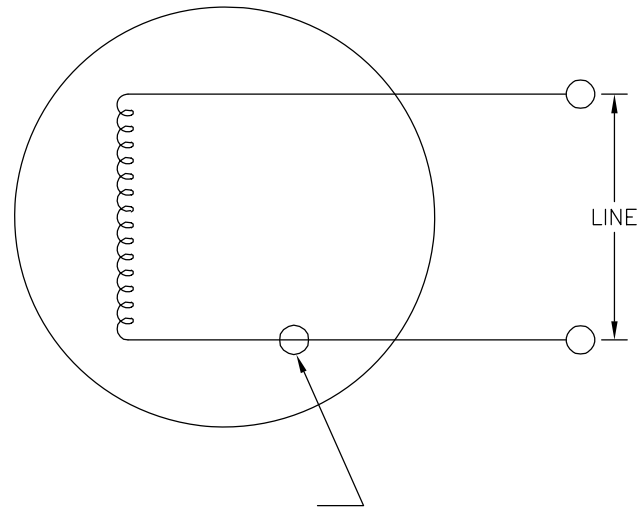
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
T	ECO-0018824	J.HESS	04-15-2011	J.HESS	04-15-2011



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

DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: KLINE	10-24-1966
APROBADO POR: RDS	10-27-1966
TERCER ANGULO DE PROYECCION	 FECHA EDS: 02-22-2008 REV. FORMATO: F
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DESCRIPCION: CONN DIAGRAM-EXTERNAL	
TAMAÑO: C	NUMERO DE DIBUJO: 261B865F01
ESCALA:NONE	HOJA: 1

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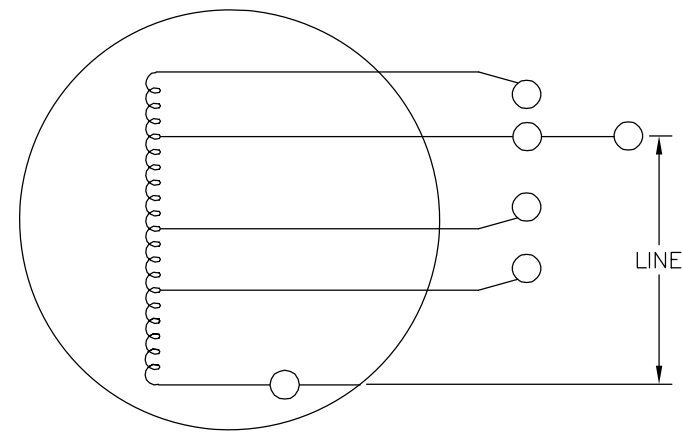
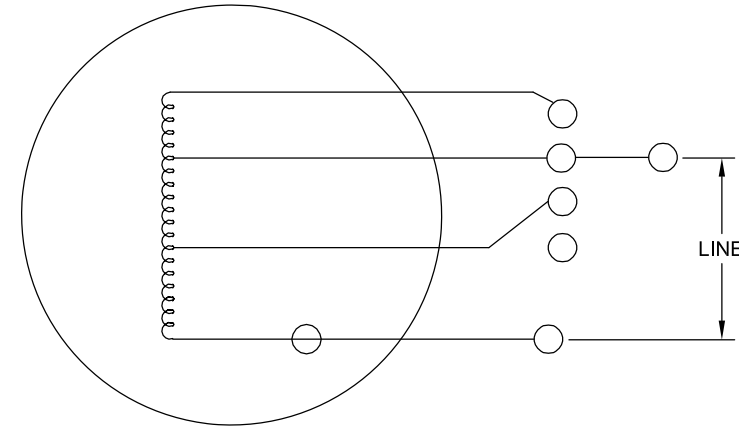
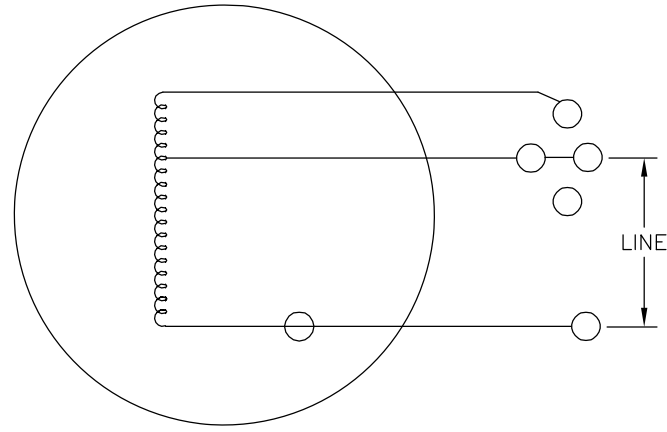
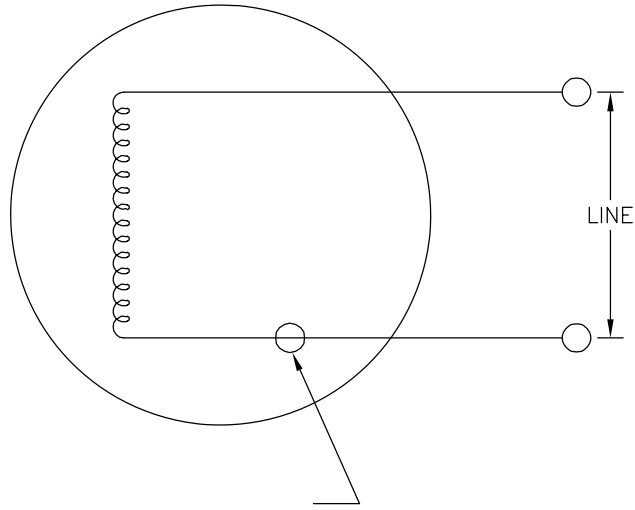
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版本	ECO	编制	日期	批准	日期
T	ECO-0018824	J.HESS	04-15-2011	J.HESS	04-15-2011



形位公差
□ 平面度
— 直线度
∠ 倾斜度
⊥ 垂直度
// 平行度
○ 圆度
⊘ 圆柱度
∩ 内圆角
△ 面轮廓度
∩ 线轮廓度
↗ 圆跳动
⊕ 位置度
⊙ 同轴度
≡ 对称度

除另有注明 尺寸公差如下:
英寸 X XX XXX XXXX
毫米 ±0.1 ±0.02 ±0.005 ±0.0005
毫米 ±0.5 ±0.13 ±0.013
角度 ±.50 度
清理毛刺和尖棱
英寸 .003-.015 毫米 0.1-0.4
内圆角
英寸 .020 毫米 0.5
表面粗糙度
英制 125 米制 3.2
米制尺寸显示在 []

绘图:	KLINE	10-24-1966
批准:	RDS	10-27-1966
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名称 CONN DIAGRAM-EXTERNAL			
图幅	C	图号	261B865F01
比例	NONE	页号	1

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