

PRODUCT INFORMATION PACKET



Model No: BLR640S

Catalog No: BLR640S

Fan and Blower Motor, 1/4 HP, 1 Ph, 60 Hz, 115 V, 1050 RPM, 1 Speed, 42 Frame, OAO



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Nameplate Specifications

Phase	1	Output HP	1/4 Hp
Output KW	0.19 kW	Voltage	115 V
Speed	1050 rpm	Service Factor	1.0
Frame	42Y	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	9.4 A
Duty	Air Over	Insulation Class	B
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	Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	N/A	Shaft Type	Flat
Overall Length	8.84 in	Shaft Diameter	0.500 in
Shaft Extension	4.5 in		
Outline Drawing	11674-035-S01	Connection Drawing	261B865F01

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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

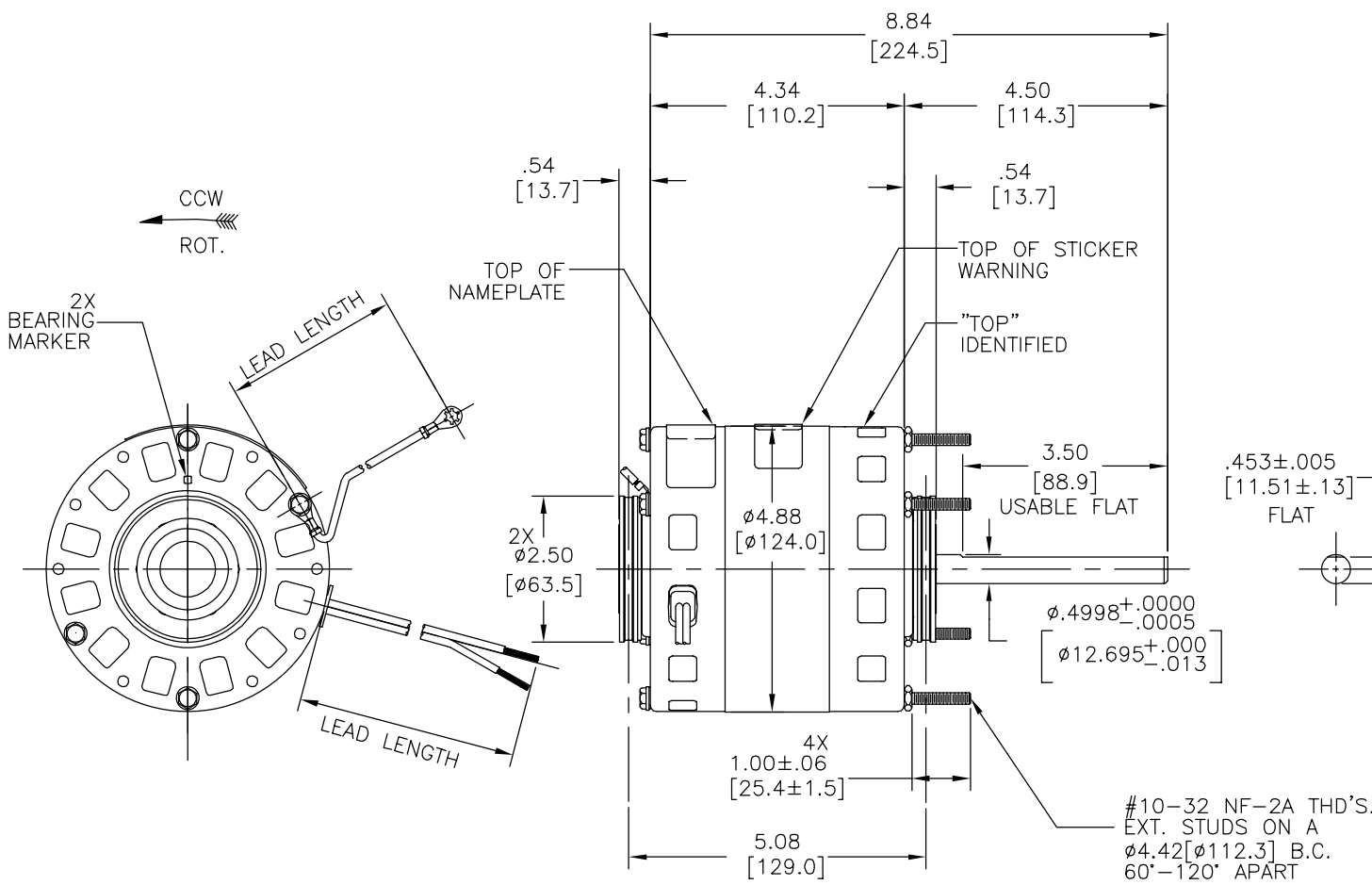
MOUNTING POSITION: ALL ANGLE

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 034)

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

GROUND LEAD: NO. 18 GA., .03[.8] THK. (GREEN/YELLOW) INSUL.



SEE NOTE 1

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: B42A91A01 CUST. P/N: - HP: 1/4 ROT.: CCWLE RPM: 1050 TYPE: FE FRAME: 42Y VOLTS: 115 PH: 1 AMPS: 9.4 HZ: 60 INS.: B AMB.: 40° C DUTY: AIR OVER CAP.: - ENCL.: - UL LOGO CSA LOGO THERMALLY PROTECTED	

GREEN/YELLOW (GRD)	11/13 [279/330]	#10 EYELET
2 COND. RIPCORD	24.5/27.5 [622/699]	050 [12.7]SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH
LEAD DATA		

NOTE:
1. DISTRIBUTION PART NUMBER: BLR640S
GRAINGER PART NUMBER: 4UU81

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

CUSTOMER	DISTRIBUTION SERVICE
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PERFORMANCE CURVE NO.	TORQUE @ 1050 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
FILE #	CCN #	FILE #	CLASS #	FILE #	CLASS #	
C32288	27.7 OZ. FT.	0442804B	E46412	PRGY2	LR43341	4211-01

REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DRAWING REVISION	REVISION BY	DATE
D	D.DUARTE	04-24-2014
ECO	D.VALENCIANO	04-24-2014

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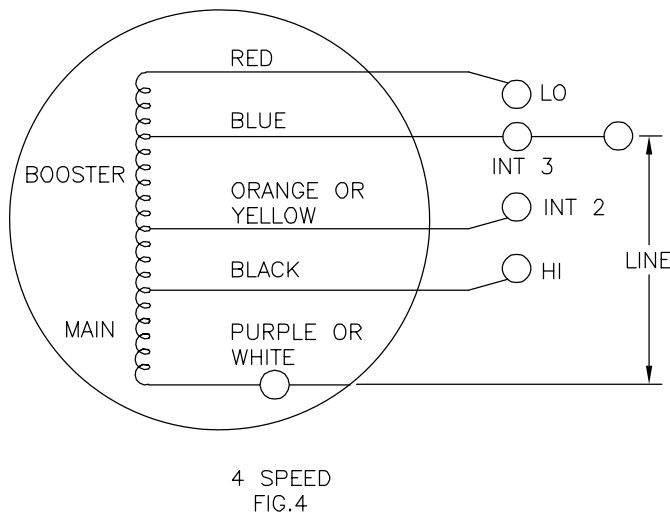
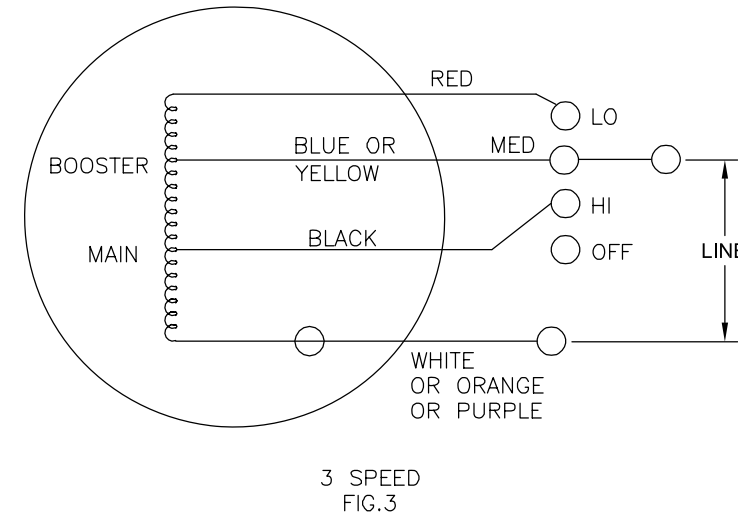
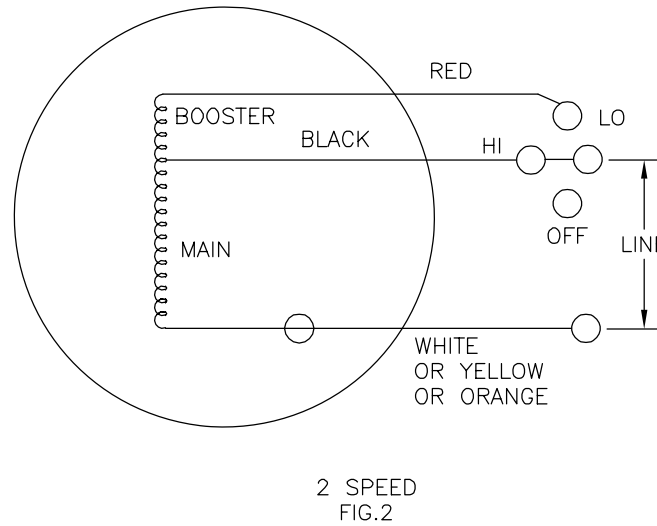
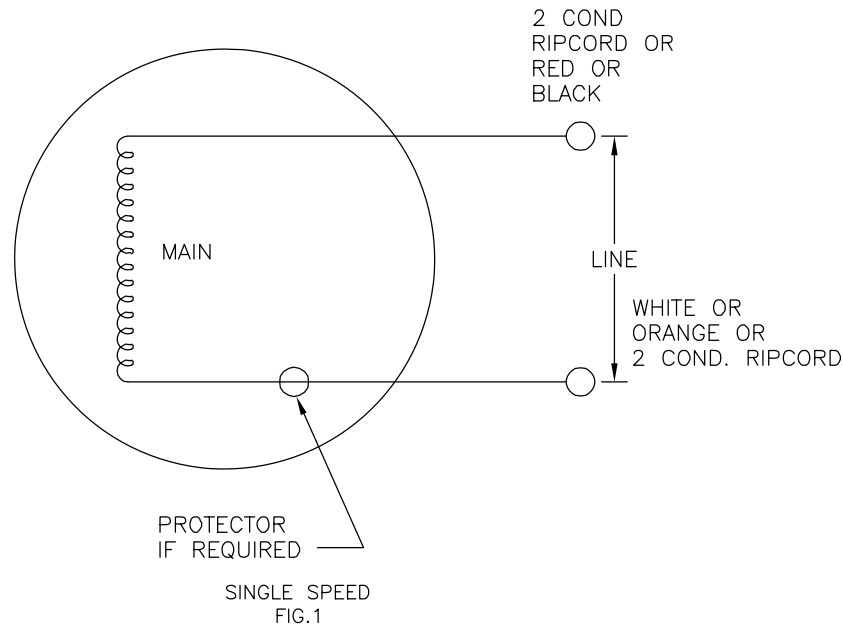
DRAWN BY: J.RUPERT
DATE: 08-11-2014
APPROVED BY: G.PIAT
DATE: 08-11-2014
PROCESS/FINISH
THIRD ANGLE PROJECTION

REGAL™ Regal Beloit America, Inc.	
DESCRIPTION	OUTLINE
MATERIAL	
SIZE DWG NO	11674-035
SHEET	1

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

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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	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION
DESCRIPTION CONN DIAGRAM-EXTERNAL	
SIZE C	DWG NO 261B865F01
SCALE NONE	SHEET 1

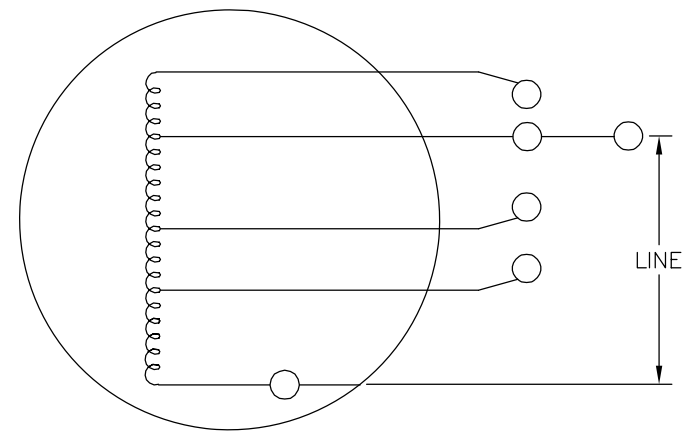
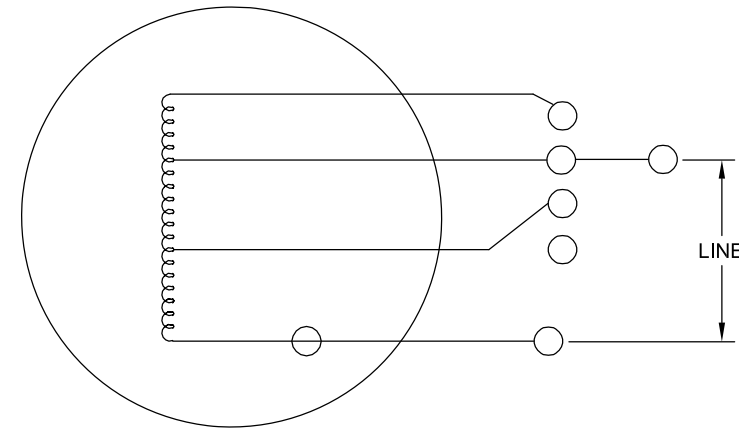
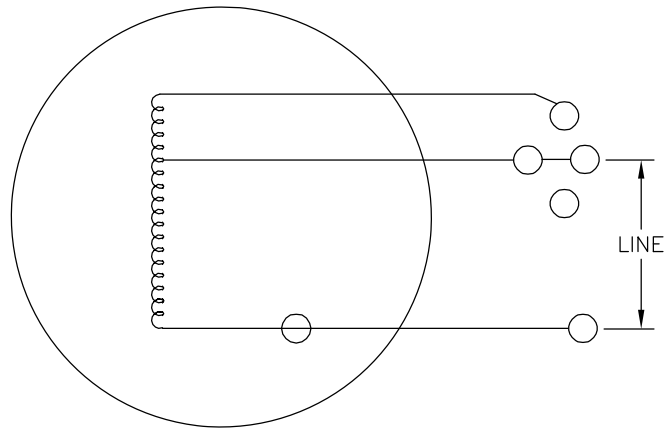
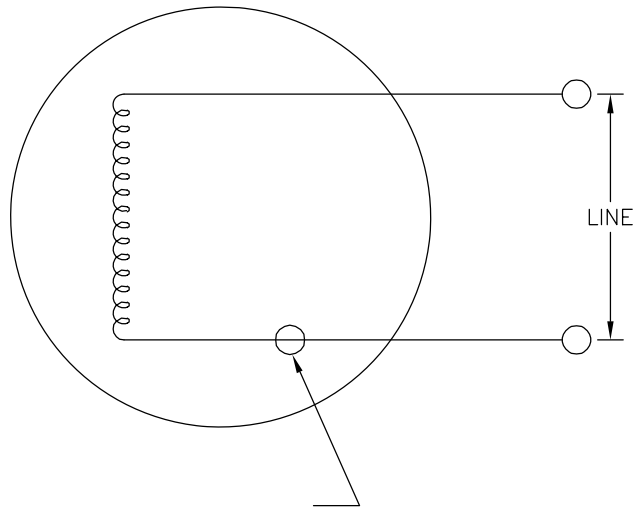
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
T	ECO-0018824	J.HESS	04-15-2011	J.HESS	04-15-2011



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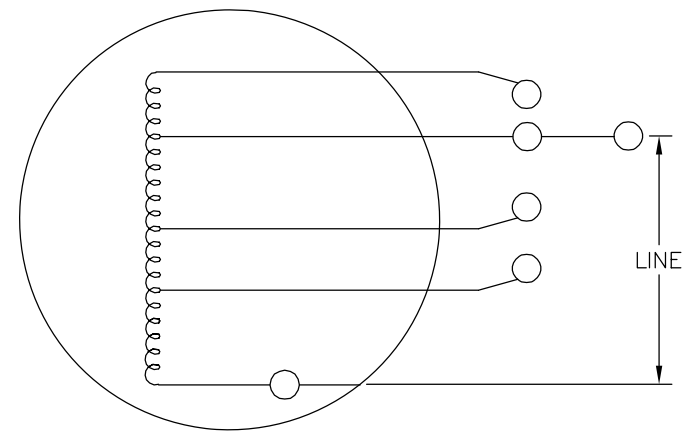
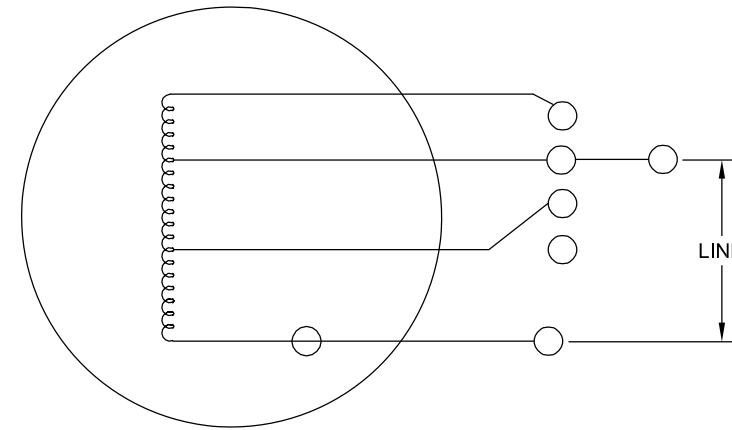
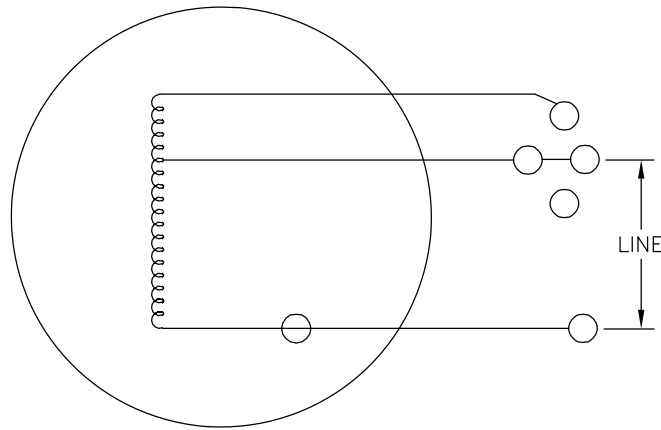
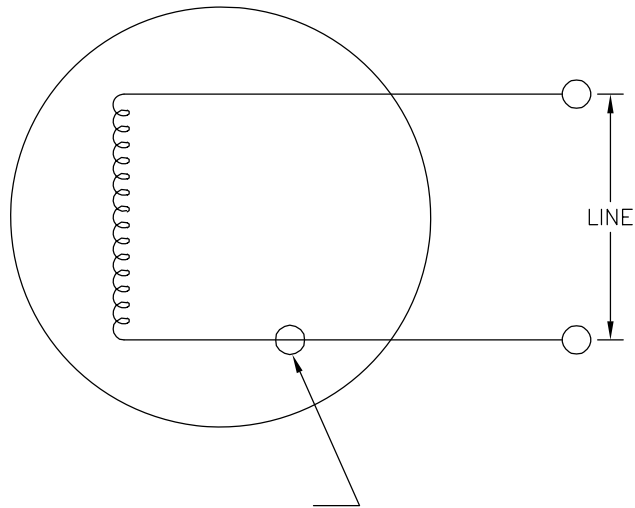
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版本	ECO	编制	日期	批准	日期
T	ECO-0018824	J.HESS	04-15-2011	J.HESS	04-15-2011



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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