

PRODUCT INFORMATION PACKET



Model No: B6411
Catalog No: B6411
1/8 HP Fan & Blower Motor, 1050 RPM, 208-230 Volts, 42 Frame, OAO

Fan and Blower Motors



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Nameplate Specifications

Output HP	1/8 Hp	Output KW	0.10 kW
Frequency	60 Hz	Voltage	208-230 V
Current	2.6 A	Speed	1050 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	A
Frame	42Y	Enclosure	Open Air Over
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	N
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	Rolled Steel	Shaft Type	Flat
Overall Length	8.88 in	Shaft Diameter	0.500 in
Shaft Extension	5.5 in		
Connection Drawing	261B865F01	Outline Drawing	11674-024-S01

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REV

ECO

REV BY

DATE

APPD

DATE

E

0026376

F.NAVARRO

05-28-2012

R.RASCON

05-28-2012

GENERAL INFORMATION:

SHAFT RUNOUT: .001[.03] T.I.R. PER INCH[mm] 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 034)

LEADS: NO. 18 GA., .06[1.5] THK. 125°C INSUL. 2 CONDUCTOR BLACK RIPCORD

GROUND LEAD: NO. 18 GA., .03[.08] THK. GREEN INSUL.

NOTE:

DISTRIBUTION: CUST. P/N: B6411

GRAINGER: CUST. P/N: 4KA45

NAMEPLATE DATA :

MODEL NO.: 322P240

CUST. P/N: []

HP: 1/8

ROT: CCWLE

RPM: 1050

TYPE: FE

FRAME: 42Y

VOLTS: 208-230

PH: 1

AMPS: 2.6

HZ: 60

INS: A

AMB: 40 °C

DUTY: AIR OVER

CAP.: -

UL LOGO

THERMALLY PROTECTED TYPE C

EXTERNAL CONNECTION DIAGRAM

2 CD

LINE

2 CD

PERFORMANCE

TORQUE @1075

APPROVED

UL COMPONENT

CSA

CURVE NO.

RPM (25°C)

SAMPLE

FILE #

GUIDE #

FILE #

GUIDE #

C31092

12.1 OZ. FT.

-

E46412

PRGY2

LR43341

260-Ø-0

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

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.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY:

J. RUPERT

03-29-2001

APPD:

K. CORD

03-30-2001

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011

FORMAT REV H

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REGAL

REGAL-BELOIT CORPORATION

DESCRIPTION

MODEL-RFHP-48FR

OUTLINE

SIZE

C

DWG NO

11674-024

SCALE

NONE

SHEET

1

2X BEARING MARKER

CCW ROT.

2X Ø2.50 [Ø63.5]

TOP OF NAMEPLATE

LEAD LENGTH

75°

54 [13.7]

3.34 [84.8]

8.88 [225.6]

5.54 [140.7]

.54 [13.7]

TOP OF STICKER WARNING (WHEN REQ'D.)

"TOP" IDENTIFIED

4.50 [114.3] USABLE FLAT

Ø4.88 [Ø124.0] MAX

3X (.56±.06) [(14.2±1.5)]

4.08 [103.6]

Ø.4998^{+.0000}_{-.0005}

Ø12.695^{+.000}_{-.013}

#10-32 NF-2A THD'S. EXT. STUDS ON A 4.42 DIA. B.C. 120° APART

.453±.005 [11.51±.13] FLAT

3

2

1

3 of 8

4

3

2

1

REVISION:ECO0026376E

REVISADO POR:F.NAVARRO

FECHA:05-28-2012

APROBADO POR:R.RASCON

FECHA:05-28-2012

INFORMACION GENERAL:

OSCILACION DE FLECHA: .001[.03] L.T.I. POR PULGADA DE LONGITUD DE EXTENSION.

JUEGO AXIAL: .010[.25] TO .063[1.60]

BALEROS: FUNDA

MOUNTING POSITION: HORIZONTAL

ELECTRICAL DATA:

OVERLOAD PROTECTOR: RESETEO AUTOMATICO (T.I. 7AM 034)

LEADS: NO. 18 GA., .06[1.5] THK. 125°C INSUL. 2 CONDUCTOR NEGRO CABLE DUPLEX

GROUND LEAD: NO. 18 GA., .03[.08] GROSOR. VERDE AISL.

NOTA:

1. DISTRIBUCION: CLIENTE. N/P: B6411

GRAINGER: CLIENTE N/P: 4KA45

PLACA DE DATOS:

DIAGRAMA DE CONEXION EXTERNA

MODEL NO.: 322P240

CUST. P/N: []

HP: 1/8

ROT: CCWLE

RPM: 1050

TYPE: FE

FRAME: 42Y

VOLTS: 208-230

PH: 1

AMPS: 2.6

HZ: 60

INS: A

AMB: 40 °C

DUTY: AIR OVER

CAP.: -

UL LOGO

THERMALLY PROTECTED TYPE C

2 CD

LINE

2 CD

CURVA DE DESEMPEÑO

TORQUE @1075 RPM (25°C)

MUESTRA APROVADA

COMPONENT UL

CSA

ARCHIVO#

GUIA#

ARCHIVO#

GUIA#

C31092

12.1 OZ. FT.

-

E46412

PRGY2

LR43341

260-Ø-0

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

REGAL-BELOIT CORPORATION (RBC) PROVEE ASISTENCIA TECNICA A NUESTROS CLIENTES EN VARIAS AREAS. DESDE QUE RBC NO RECIBE TODOS LOS DATOS EN RELACION AL USO Y A LA APLICACION DEL MOTOR, LA APLICACION ADECUADA DEL MOTOR DEBE SER DETERMINADA POR EL CLIENTE.

DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

DIBUJADO POR: J. RUPERT

APROBADO POR: K. CORD

TERCER ANGULO DE PROYECCION

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03-29-2001

03-30-2001

FECHA EDS: 11-11-2011

REV. FORMATO: H

REGAL

REGAL-BELOIT CORPORATION

DESCRIPCION:

MODEL-RFHP-48FR

OUTLINE

TAMAÑO: C

NUMERO DE DIBUJO: 11674-024

ESCALA:NONE

HOJA: 1

CCW ROT.

2X MARCA DE BALERO

PARTE SUPERIOR DE PLACA DE DATOS

2X Ø2.50 [Ø63.5]

LONGITUD DE CABLE

75°

54 [13.7]

3.34 [84.8]

8.88 [225.6]

5.54 [140.7]

.54 [13.7]

PARTE SUPERIOR DE ETIQUETA DE ADVERTENCIA (CUANDO SE REQ.) "PARTE SUPERIOR" DE IDENTIFICACION

4.50 [114.3]

PLANO UTILIZABLE

Ø4.88 [Ø124.0]

3X (.56±.06) [(14.2±1.5)]

4.08 [103.6]

Ø.4998^{+.0000}_{-.0005}

Ø12.695^{+.000}_{-.013}

#10-32 NF-2A ROSCAS DE PERNOS EXTENDIDOS A 4.42 DIA.ENTRE CENTROS. SEPARADOS 120°

.453±.005 [11.51±.13]

PLANO

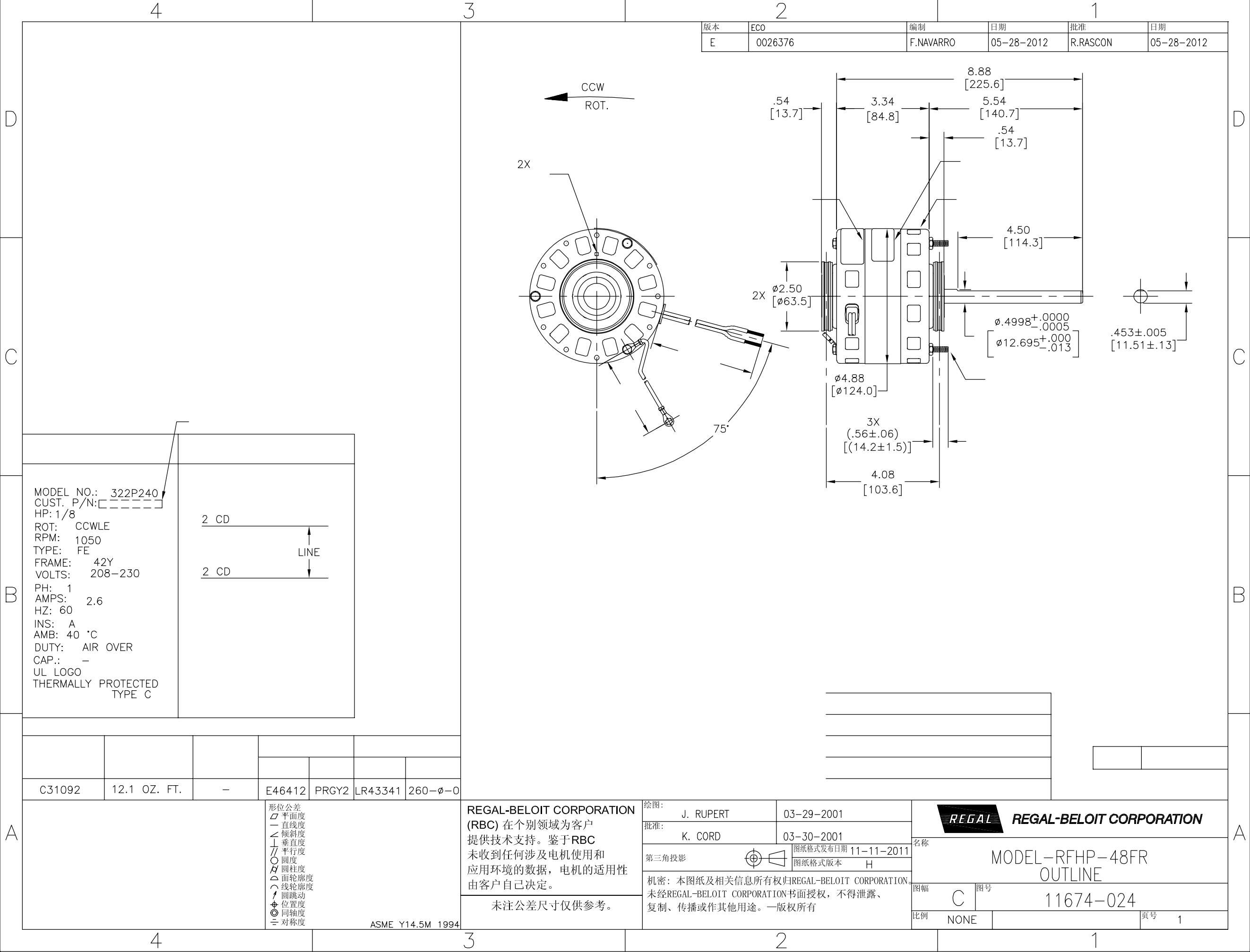
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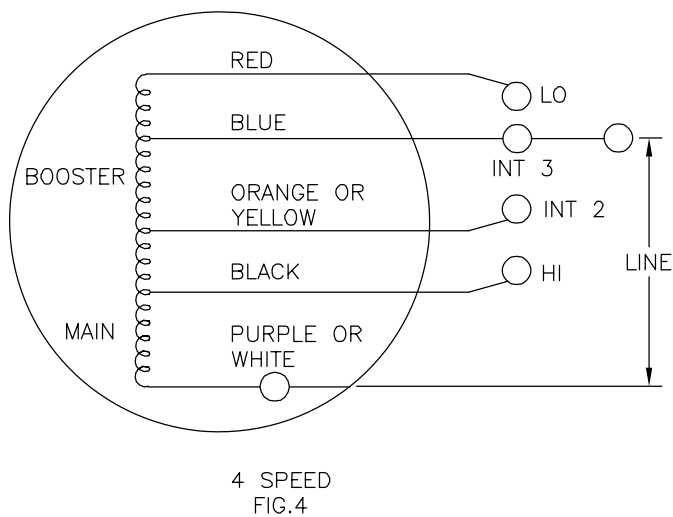
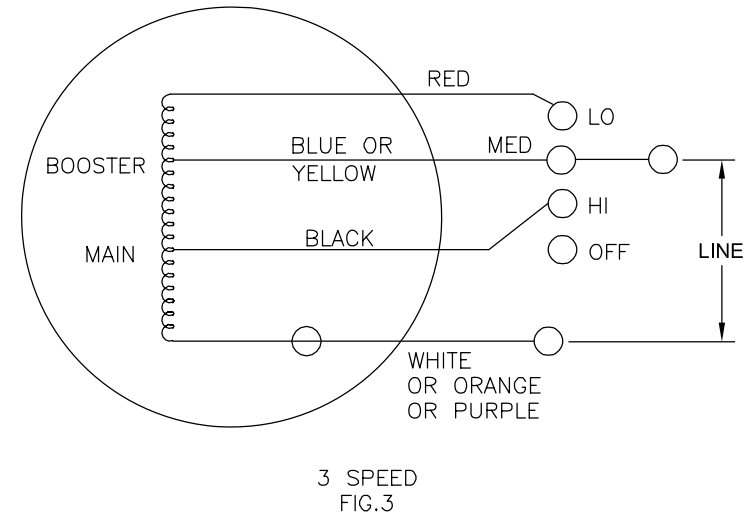
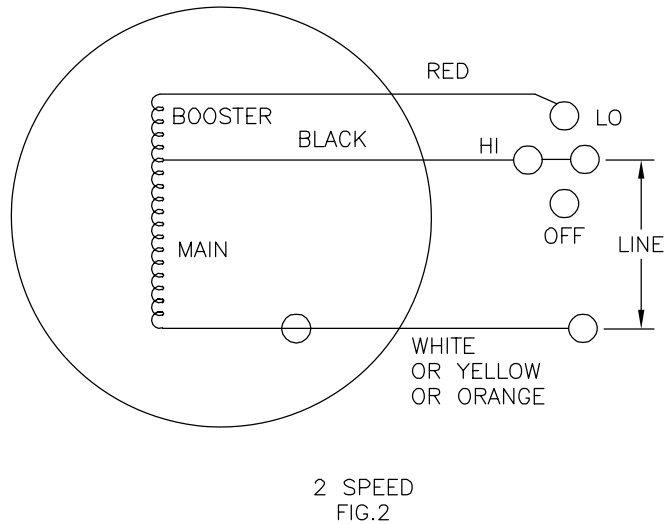
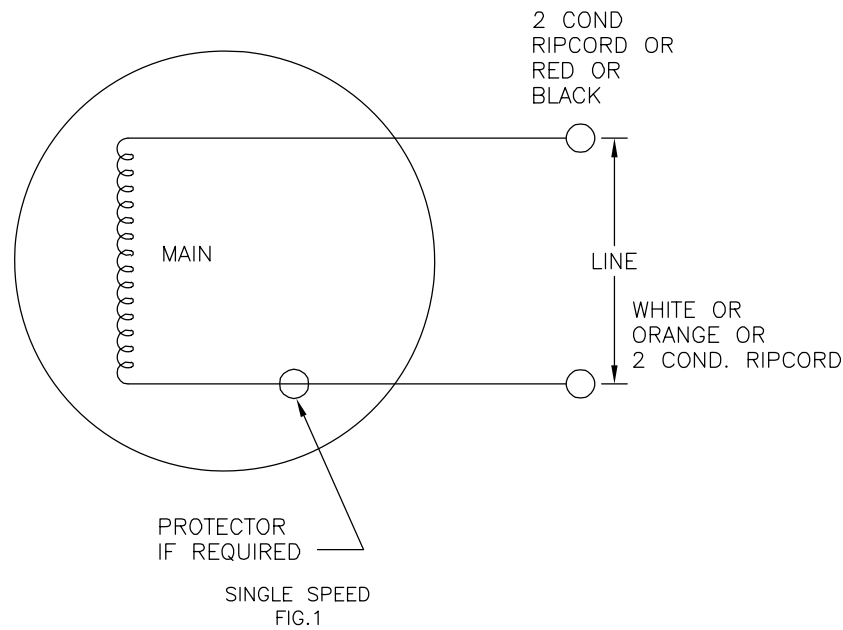
1

4 of 8



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 X XX XXX XXXX
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

4

3

2

1

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

D

C

B

A

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:

	X	XX	XXX	XXXX
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 3.2

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

DESCRIPCION:
CONN DIAGRAM-EXTERNAL

TAMAÑO: C	NUMERO DE DIBUJO: 261B865F01
ESCALA:NONE	HOJA: 1

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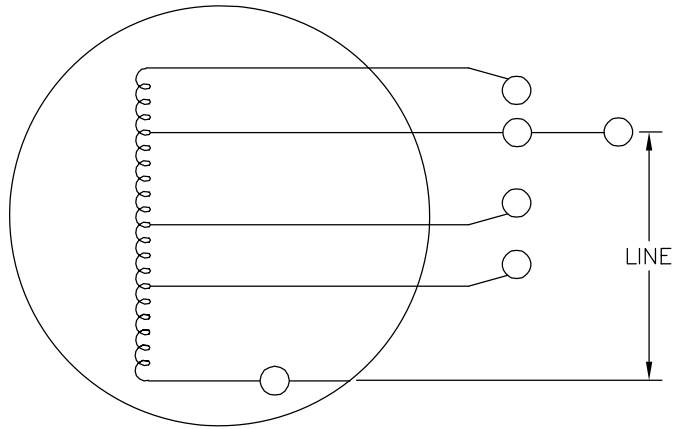
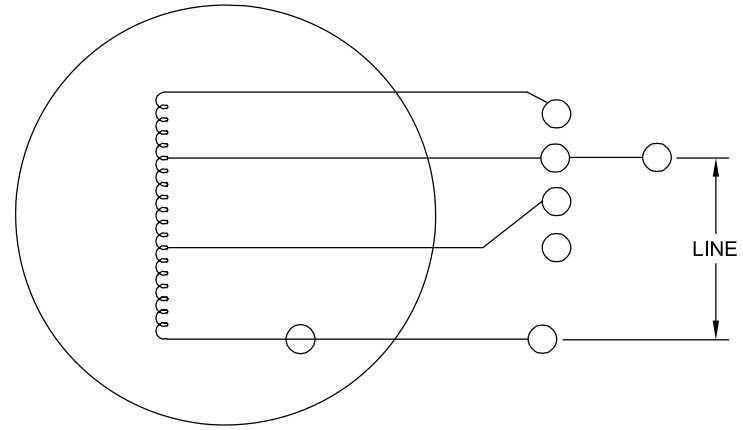
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A

B

C

D



形位公差 □ 平面度 — 直线度 ∠ 倾斜度 ⊥ 垂直度 ∥ 平行度 ○ 圆度 ⊘ 圆柱度 ⌒ 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 ±.1 X 毫米 ±0.5 XX ±.02 ±.005 ±.0005 XXX ±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 第三角投影  图纸格式发布日期 02-22-2008 图纸格式版本 F 机密: 本图纸及相关信息所有权归A. O. SMITH公司所有。 未经A. O. SMITH公司书面授权, 不得泄露、复制、传播或作 其他用途。一版权所有 ASME Y14.5M 1994	ACSmith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION 名称 CONN DIAGRAM-EXTERNAL 图幅 C 图号 261B865F01 比例 NONE 页号 1
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