

PRODUCT INFORMATION PACKET



Model No: 9422V1A
Catalog No: 9422V1A

Fan Coil & Air Conditioner Motor, 3/4 - 1/2 HP, 1 Ph, 60 Hz, 460 V, 1075 RPM, 2 Speed, 48 Frame,
OPEN



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Nameplate Specifications

Output HP	3/4 - 1/2 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	460 V
Current	2.2 - 1.4 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	F48Y	Enclosure	Open Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Lug	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	10.86 in	Frame Length	5.25 in
Shaft Diameter	0.500 in	Shaft Extension	4.5 in
Outline Drawing	F48Z62A01-S01	Connection Drawing	614131-368

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REV	REFERENCE ECN	REFERENCE PROJECT	REV BY	DATE	APPD	DATE
B		03601101	Caddie	11-01-2007	ABaugh	11-20-2007

GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: HORIZONTAL

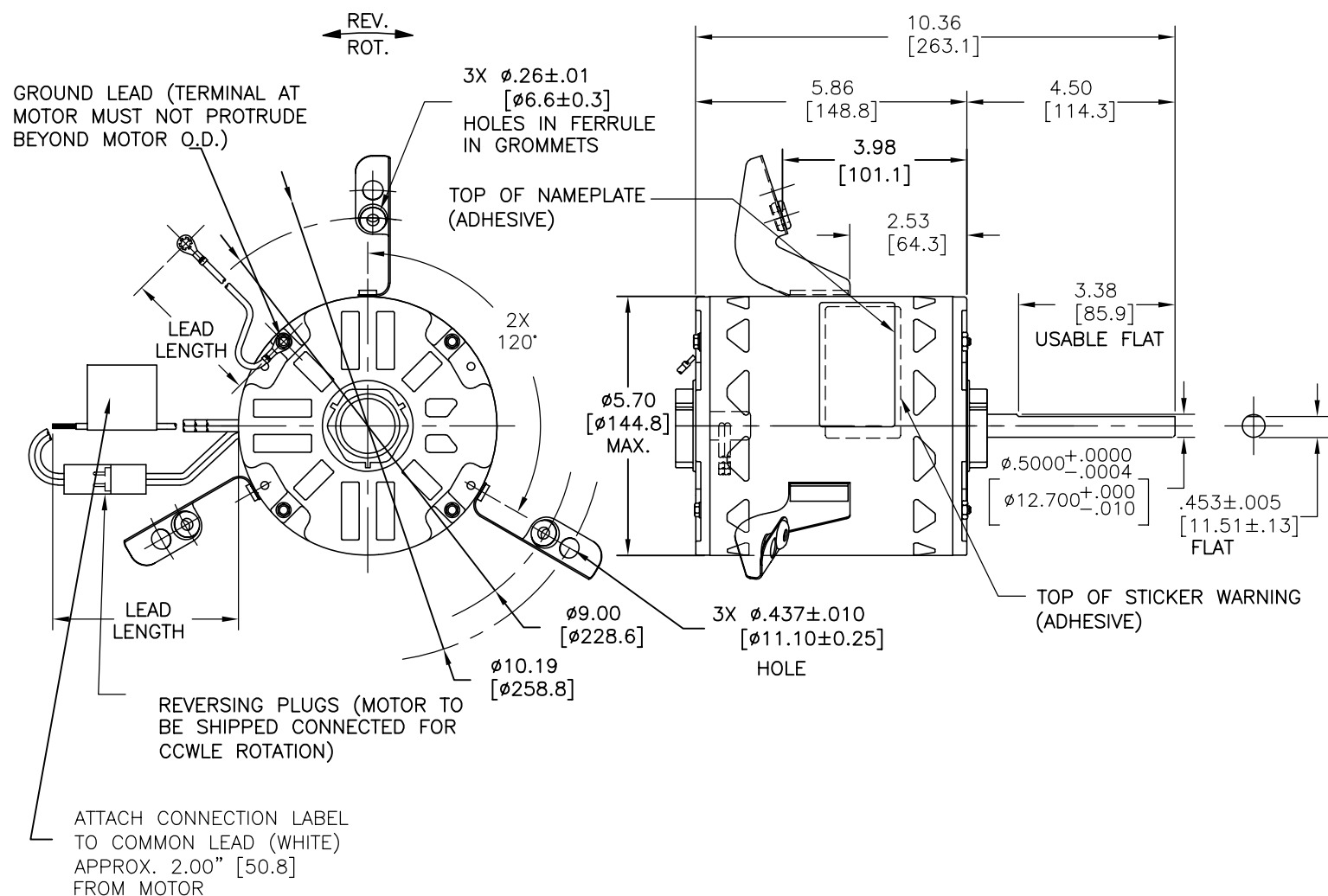
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LINE LEADS: NO. 18 GA., .06 [1.5] THK. 105°C PVC INSUL.

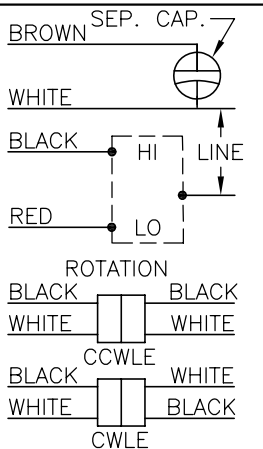
REVERSING LEADS: NO. 18 GA., .03 [.8] THK. 125°C INSUL.

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



NAMEPLATE DATA: EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48Z62A01
 CUST. P/N: 9422V1A
 HP: 3/4-1/2
 ROT.: REVERSIBLE
 RPM: 1075/2 SPD.
 TYPE: UF
 FRAME: 48Y
 VOLTS: 460
 PH: 1
 AMPS: 2.2-1.4
 HZ: 60
 INS.: B
 AMB.: 40° C
 DUTY: AIR OVER
 CAP.: 10 MFD/440 V
 ENCL.: OPEN
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED



614131-368

GREEN/YELLOW (GROUND)	8.0/10.0 [203/254]	#10 EYELET
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUGS
BROWN	11.0/13.0 [279/330]	.50 [12.7] SKIN
RED	11.0/13.0 [279/330]	.50 [12.7] SKIN
BLACK	11.0/13.0 [279/330]	.50 [12.7] SKIN
WHITE	11.0/13.0 [279/330]	.50 [12.7] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

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

CUSTOMER	DISTRIBUTION SERVICE
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PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
C32727	64.7 OZ. FT.	0701170A	FILE #	CCN #	FILE #	CLASS #
			E46412	PRGY2	LR43341	4211-01

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

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 DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY: CADDIE 11-01-2007
 APPD:
 THIRD ANGLE PROJECTION
 EDS DATE 01-21-2007
 FORMAT REV E
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A.O. SMITH ELECTRICAL PRODUCTS COMPANY
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 TIPP CITY, OHIO
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 DESCRIPTION: **OUTLINE**
 SIZE: C DWG NO: F48Z62A01
 SCALE: NONE SHEET: 1

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REVISION: B	ECN REFERENCIA:	PROYECTO REFERENCIA: 03601101	REVISADO POR: Caddie	FECHA: 11-01-2007	APROBADO POR: ABAUGH	FECHA: 11-20-2007
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INFORMACION GENERAL:

OSCILACION DE FLECHA: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION

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

BALEROS: CHUMACERA RIGIDA

POSICION DEL MONTAJE: HORIZONTAL

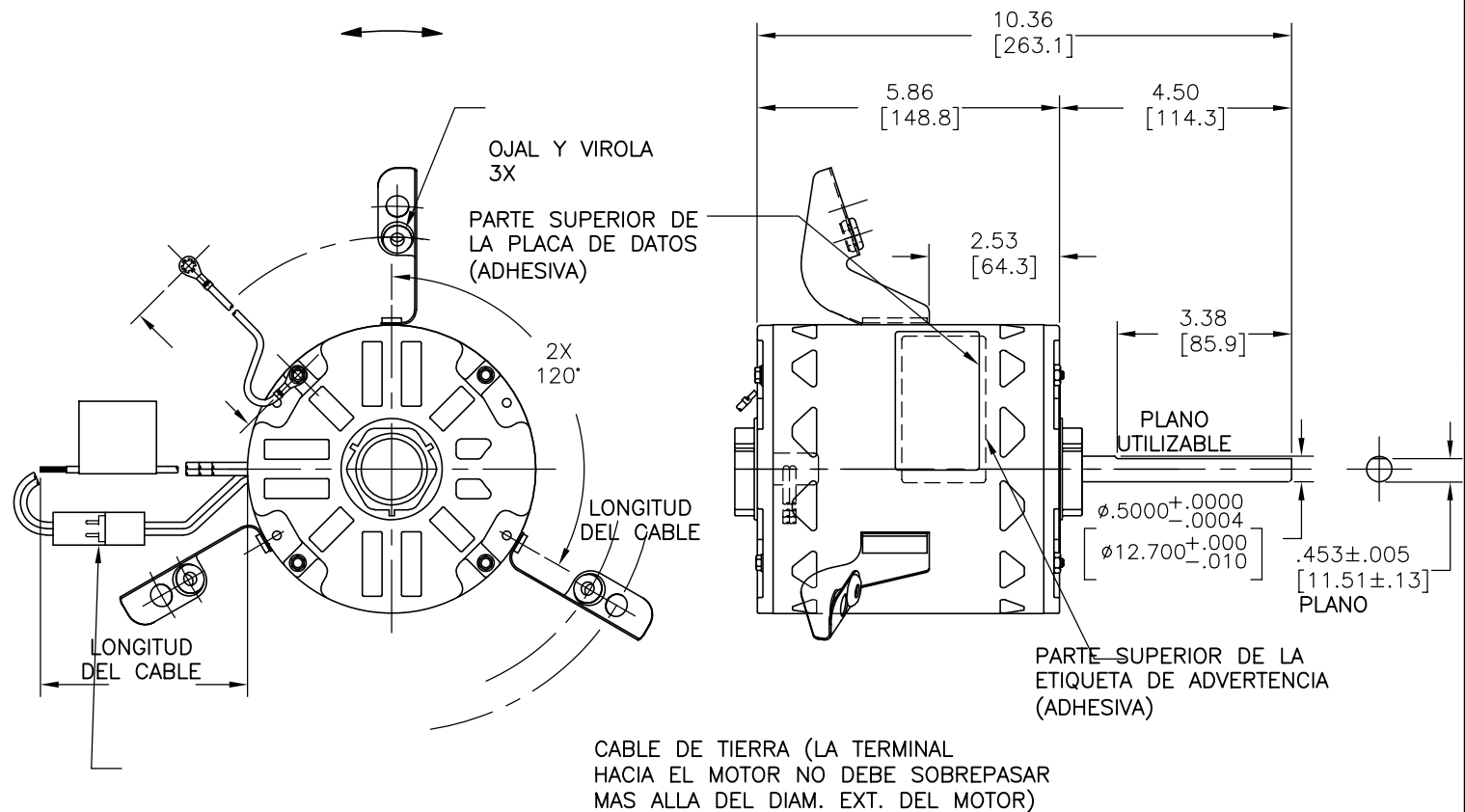
INFORMACION ELECTRICA:

PROTECTOR DE SOBRECARGA: REINICIO AUTOMATIC (T.I. 7AM 036)

CABLES: NO. 18 GA., .06 [1.5] THK. PVC 105°C AISLAM.

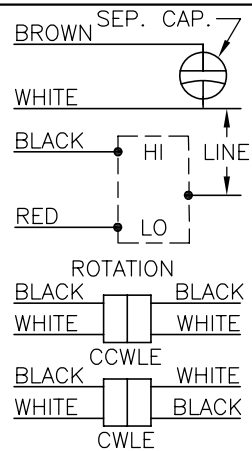
INVERTIR CABLES: NO. 18 GA., .03 [.8] THK. XLP 125°C AISLAM.

CABLE DE TIERRA: NO. 18 GA., .03 [.8] THK. (VERDE/AMARILLO) AISLAM.



INFORMACION DE ETIQUETA: DIAGRAMA DE CONEXION EXTRNA

MODEL NO.: F48Z62A01
 CUST. P/N: 9422V1A
 HP: 3/4-1/2
 ROT.: REVERSIBLE
 RPM: 1075/2 SPD.
 TYPE: UF
 FRAME: 48Y
 VOLTS: 460
 PH: 1
 AMPS: 2.2-1.4
 HZ: 60
 INS.: B
 AMB.: 40° C
 DUTY: AIR OVER
 CAP.: 10 MFD/440 V
 ENCL.: OPEN
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED



614131-368

CURVAS DE FUNCIONAMIENTO	TORSION @ 1075 RPM (25°C)	MUESTRA APROBADA	COMPONENTE UL		CSA	
			#ARCHIVO	CCN #	#ARCHIVO	CLASE #
C32727	64.7 OZ. FT.	0701170A	E46412	PRGY2	LR43341	4211-01

ATTACH CONNECTION LABEL TO COMMON LEAD (WHITE)

VERDE/AMARILLO (TIERRA) MOTOR

NEGRO/BLANCO

CAFÉ

CAFÉ/BLANCO

ROJO

AZUL

AMARILLO

NEGRO

BLANCO

COLOR

LONGITUD

LONGITUD DE DESFORRE

2.00" [50.8] OJAL #10

.25 [6.4] TERMINAL ESPADE HEMBRA

.25 [6.4] TERMINAL ESPADE HEMBRA

.50 [12.7] PIEL

.50 [12.7] PIEL

.50 [12.7] PIEL

.50 [12.7] PIEL

.50 [12.7] PIEL

8.0/10.0 [203/254]

3.0/5.0 [76/127]

11.0/13.0 [279/330]

11.0/13.0 [279/330]

11.0/13.0 [279/330]

11.0/13.0 [279/330]

DE CARCASA - OLE	ABIERTO
DE TAPA - OLE	ABIERTO
DE CARCASA - LE	ABIERTO
DE TAPA - LE	ABIERTO

CLIENTE	DISTRIBUTION SERVICE
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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

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DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

DIBUJADO POR: CADDIE

11-01-2007

APROBADO POR:

TERCER ANGULO DE PROYECCION

FECHA EDS: 01-21-2007

REV. FORMATO: E

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A.O. SMITH A DIVISION OF A. O. SMITH CORPORATION

ELECTRICAL PRODUCTS COMPANY TIPP CITY, OHIO

DESCRIPCION:

TAMAÑO: C

NUMERO DE DIBUJO: F48Z62A01

ESCALA: NONE

HOJA: 1

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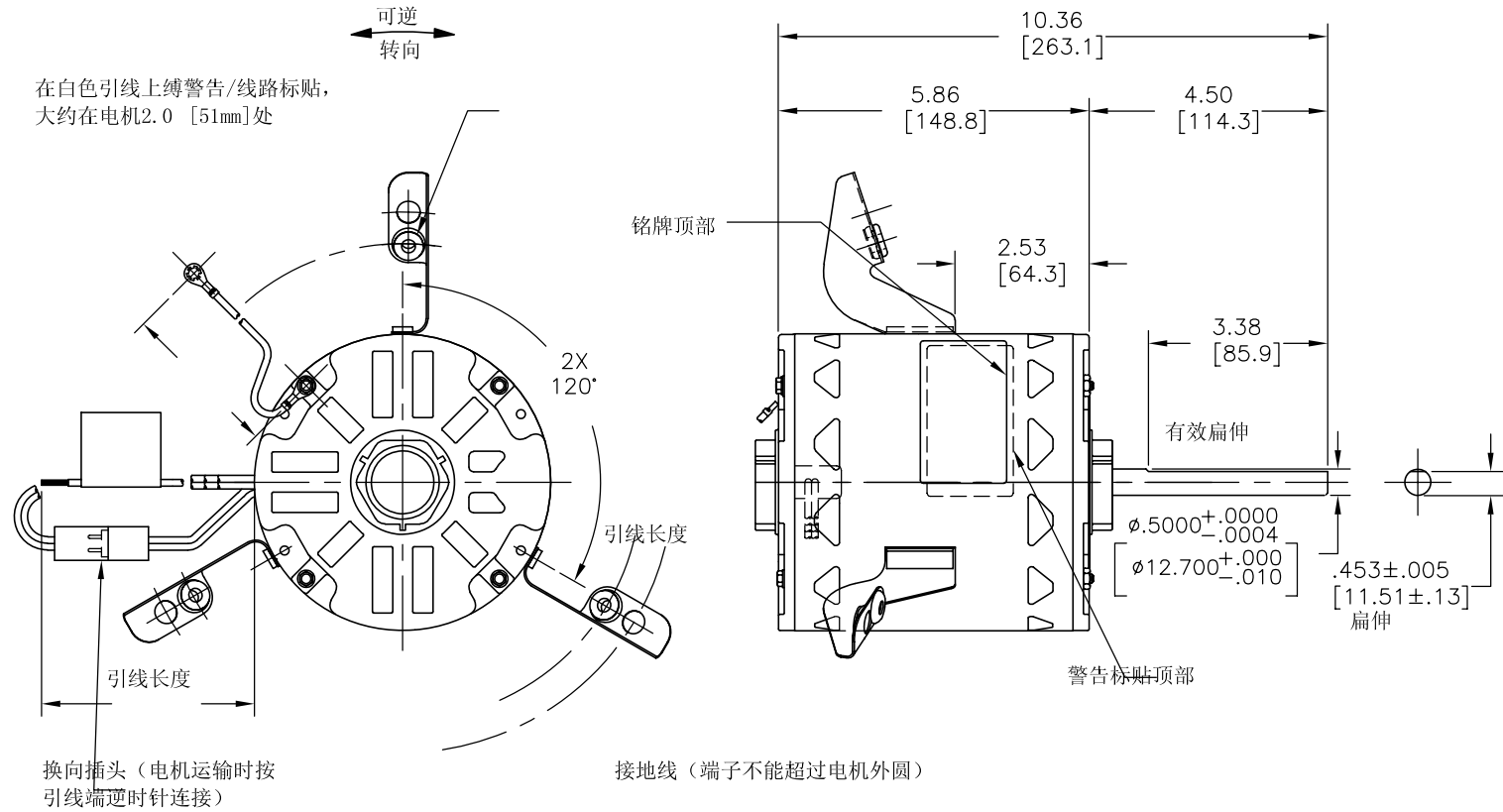
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总技术要求:

轴跳动:	.001[.03]/1[25.4]外伸轴
端部窜动量	.010 到 .063 [.25 到 1.60]
轴承:	含油轴承
安装位置:	水平
电气数据:	
过载保护:	自动复位 (T. I. 7AM 036)
引线:	18# (美制标准), 厚.06 [1.5] PVC 105° C 绝缘
换向引线:	18# (美制标准), 厚.03[.8] XLP 125° C 绝缘
接地线:	18# (美制标准), 厚.03[0.8]绿色绝缘

版本	更改通知号	项目号	编制	日期	批准	日期
B		03601101	Caddie	11-01-2007	ABaugh	11-20-2007



ATTACH CONNECTION LABEL TO COMMON LEAD (WHITE) APPROX. 2.00" [50.8] FROM MOTOR

黑/白 翻边插头
棕 .25 [6.4] 母铲形插

棕/白	8.0/10.0 [203/254]	.25 [6.4] 母铲形插
红	3.0/5.0 [76/127]	.50 [12.7] 剥线长
蓝	11.0/13.0 [279/330]	.50 [12.7] 剥线长
黄	11.0/13.0 [279/330]	.50 [12.7] 剥线长
黑	11.0/13.0 [279/330]	.50 [12.7] 剥线长
白	11.0/13.0 [279/330]	.50 [12.7] 剥线长
颜色	长度	端子或剥线长度

无引线端机壳	开放
无引线端端盖	开放
有引线端机壳	开放
有引线端端盖	开放
密封性	

用户	DISTRIBUTION SERVICE
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铭牌数据	外部数据线
MODEL NO.: F48Z62A01 CUST. P/N: 9422V1A HP: 3/4-1/2 ROT.: REVERSIBLE RPM: 1075/2 SPD. TYPE: UF FRAME: 48Y VOLTS: 460 PH: 1 AMPS: 2.2-1.4 HZ: 60 INS.: B AMB.: 40° C DUTY: AIR OVER CAP.: 10 MFD/440 V ENCL.: OPEN UL LOGO CSA LOGO THERMALLY PROTECTED	

性能曲线编号	转矩在 @ 1075 RPM (25° C)	批准样品	UL部件		CSA	
C32727	64.7 OZ. FT.	0701170A	文件号	指南	文件号	指南
			E46412	PRGY2	LR43341	4211-01

- 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

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绘图:	CADDIE	11-01-2007
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名称	
图幅	C
图号	F48Z62A01
比例	NONE
页号	1

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