

PRODUCT INFORMATION PACKET



Model No: FC1086AF
Catalog No: FC1086AF

HEATMASTER® Condenser Fan Motor, .8 HP, 1 Ph, 60 Hz, 200-230/460 V, 1075 RPM, 1 Speed, 48 Frame,
OPEN



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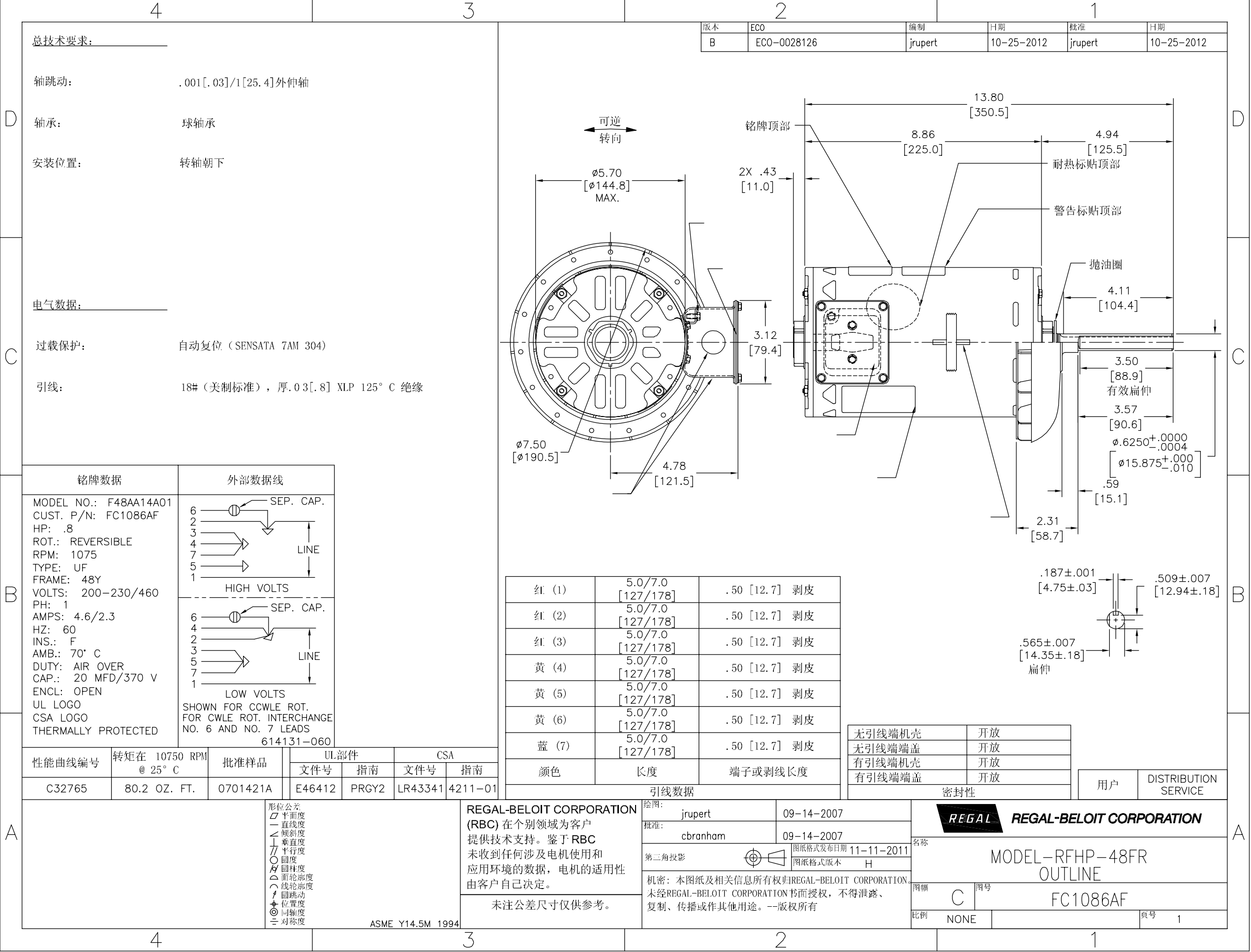
Nameplate Specifications

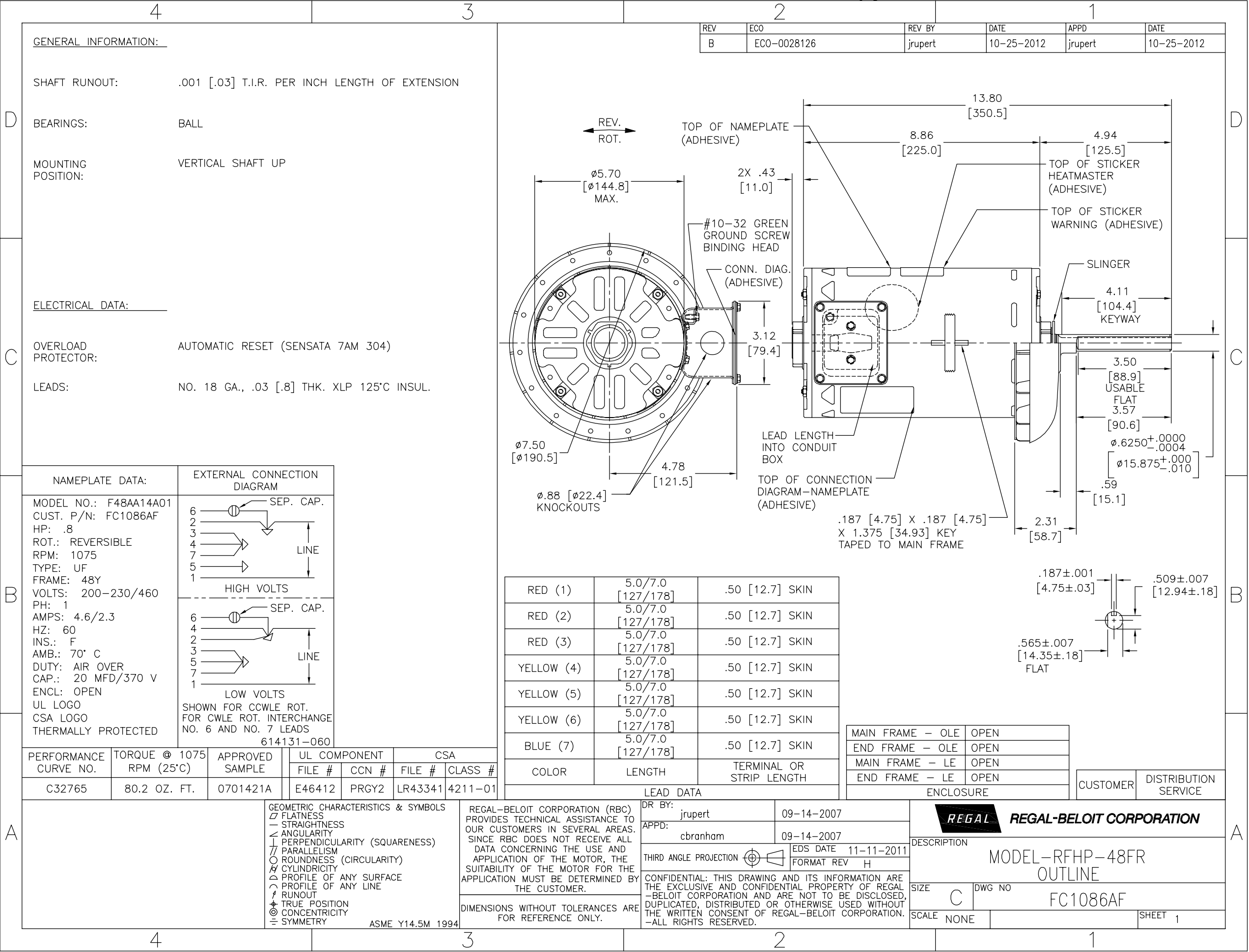
Phase	1	Output HP	.8 Hp
Output KW	0.60 kW	Voltage	200-230/460 V
Speed	1075 rpm	Service Factor	1
Frame	48Y	Enclosure	Open Enclosed
Thermal Protection	Automatic	Ambient Temperature	70 °C
Frequency	60 Hz	Current	4.6/2.3 A
Duty	Air Over	Insulation Class	F
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Round Belly Band	Motor Orientation	Vertical Shaft Up
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	14.23 in	Frame Length	8.25 in
Shaft Diameter	0.600 in	Shaft Extension	3.6 in
Outline Drawing	FC1086AF-S01	Connection Drawing	614131-060

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4

3

2

1

REVISION: ECO
B

ECO-0028126

REVISADO POR: jrupert

FECHA: 10-25-2012

APROBADO POR: jrupert

FECHA: 10-25-2012

INFORMACION GENERAL:

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

BALEROS: BALERO

POSICION DEL MONTAJE: FLECHA VERTICAL ENCIMA DE

INFORMACION ELECTRICA:

SOBRECARGA DEL PROTECTOR: REINICIO AUTOMATIC (SENSATA 7AM 304)

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

INFORMACION DE ETIQUETA:

MODEL NO.: F48AA14A01
CUST. P/N: FC1086AF
HP: .8
ROT.: REVERSIBLE
RPM: 1075
TYPE: UF
FRAME: 48Y
VOLTS: 200-230/460
PH: 1
AMPS: 4.6/2.3
HZ: 60
INS.: F
AMB.: 70° C
DUTY: AIR OVER
CAP.: 20 MFD/370 V
ENCL: OPEN
UL LOGO
CSA LOGO
THERMALLY PROTECTED

DIAGRAMA DE CONEXION EXTRNA

6
2
3
4
7
5
1

SEP. CAP.

LINE

HIGH VOLTS

6
4
2
3
5
7
1

SEP. CAP.

LINE

LOW VOLTS

SHOWN FOR CCWLE ROT.
FOR CWLE ROT. INTERCHANGE
NO. 6 AND NO. 7 LEADS
614131-060

CURVAS DE FUNCIONAMIENTO

TORSION @ 1075 RPM (25°C)

MUESTRA APROBADA

COMPONENTE UL

CSA

C32765

80.2 OZ. FT.

0701421A

E46412

PRGY2

LR43341

4211-01

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

REV. ROT.

Ø5.70 [Ø144.8] MAX.

2X .43 [11.0]

#10-32 VERDE TORNILLO TIERRA CON CABEZAL

DIAG. CON. (ADHESIVO)

3.12 [79.4]

Ø7.50 [Ø190.5]

Ø.88 [Ø22.4] DESTAPADEROS

4.78 [121.5]

PARTE SUPERIOR PLACA DE DATOS (ADHESIVA)

LONG. DE CABLE HACIA TAPA DE CONDUCTOR

13.80 [350.5]

8.86 [225.0]

4.94 [125.5]

PTE. SUPERIOR DE ETIQUETA HEATMASTER (ADHESIVA)

PTE. SUPERIOR DE ETIQUETA DE ADVERTENCIA (ADHESIVA)

ARANDELA DE CAUCHO

4.11 [104.4] CUÑERO

3.50 [88.9] PLANO USABLE

3.57 [90.6]

Ø.6250^{+.0000}_{-.0004}

Ø15.875^{+.000}_{-.010}

.59 [15.1]

2.31 [58.7]

.187 [4.75] X .187 [4.75] X 1.375 [34.93] KEY PEGADOS A CARCAZA

.187±.001 [4.75±.03]

.509±.007 [12.94±.18]

.565±.007 [14.35±.18] PLANO

ROJO (1)

5.0/7.0 [127/178]

.50 [12.7] DEL PIEL

ROJO (2)

5.0/7.0 [127/178]

.50 [12.7] DEL PIEL

ROJO (3)

5.0/7.0 [127/178]

.50 [12.7] DEL PIEL

AMARILLO (4)

5.0/7.0 [127/178]

.50 [12.7] DEL PIEL

AMARILLO (5)

5.0/7.0 [127/178]

.50 [12.7] DEL PIEL

AMARILLO (6)

5.0/7.0 [127/178]

.50 [12.7] DEL PIEL

AZUL (7)

5.0/7.0 [127/178]

.50 [12.7] DEL PIEL

COLOR

LONGITUD

TERMINAL O LONGITUD DE DESFORRE

INFORMACION DE CABLES

DE CARCASA - OLE ABIERTA

DE TAPA - OLE ABIERTA

DE CARCASA - LE ABIERTA

DE TAPA - LE ABIERTA

TIPO DE MOTOR

CLIENTE

DISTRIBUTION SERVICE

REGAL

REGAL-BELOIT CORPORATION

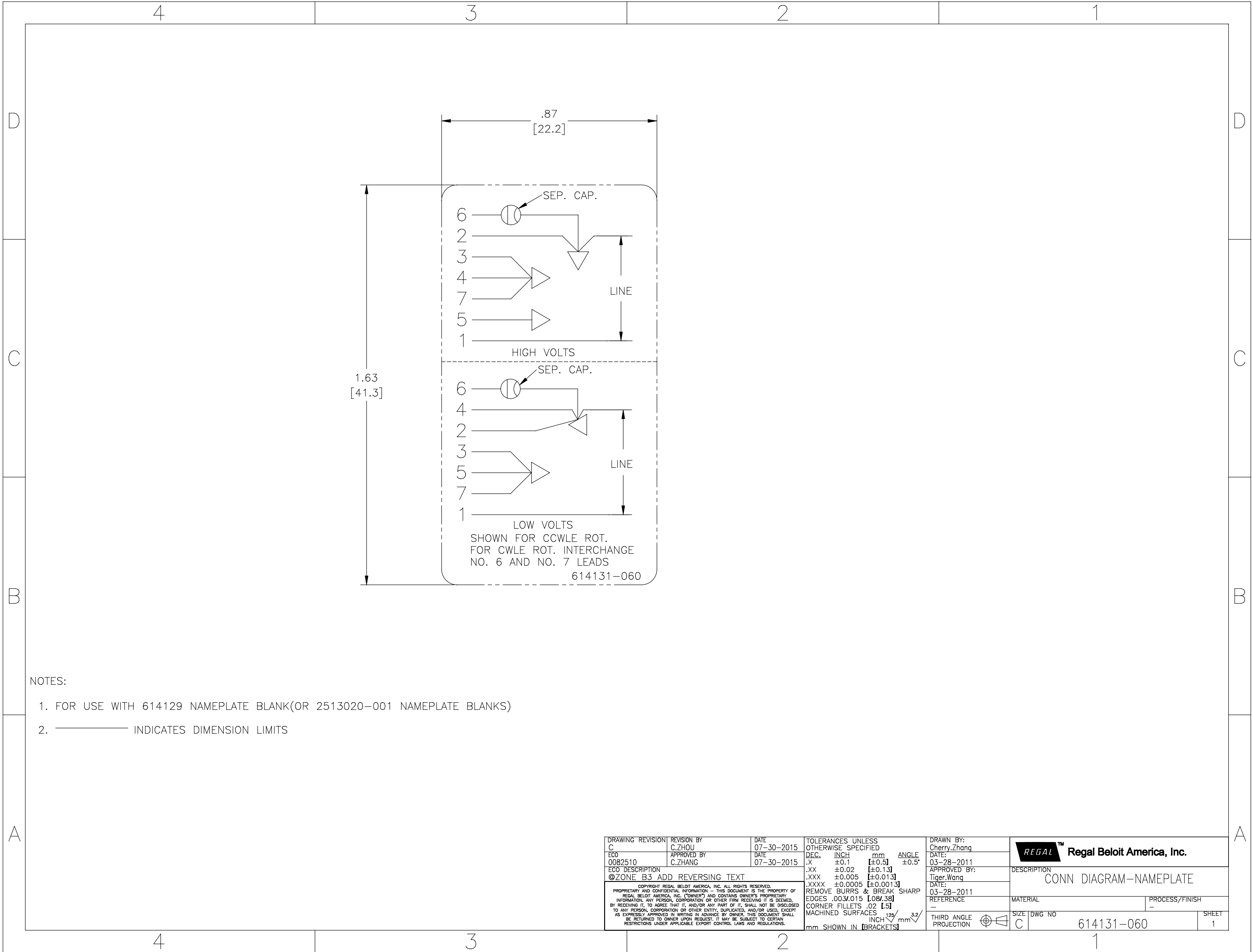
DESCRIPCION: MODEL-RFHP-48FR
OUTLINE

TAMAÑO: C NUMERO DE DIBUJO: FC1086AF

ESCALA: NONE

HOJA: 1

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- NOTES:
1. FOR USE WITH 614129 NAMEPLATE BLANK(OR 2513020-001 NAMEPLATE BLANKS)
 2. ——— INDICATES DIMENSION LIMITS

DRAWING REVISION C	REVISION BY C.ZHOU	DATE 07-30-2015	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY: Cherry.Zhang	 Regal Beloit America, Inc.
ECO 0082510	APPROVED BY C.ZHANG	DATE 07-30-2015	DEC. INCH mm ANGLE .X ±0.1 [±0.5] ±0.5° .XX ±0.02 [±0.13] .XXX ±0.005 [±0.013] .XXXX ±0.0005 [±0.0013]	DATE: 03-28-2011	
ECO DESCRIPTION @ZONE B3 ADD REVERSING TEXT			REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.08/.38] CORNER FILLETS .02 [5] MACHINED SURFACES $\frac{125}{\text{INCH}} \sqrt{\frac{3.2}{\text{mm}}}$	APPROVED BY: Tiger.Wang	DESCRIPTION CONN DIAGRAM-NAMEPLATE
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			mm SHOWN IN [BRACKETS]	SIZE DWG NO C 614131-060	PROCESS/FINISH —
					SHEET 1