

PRODUCT INFORMATION PACKET



Model No: 9700

Catalog No: 9700

Fan and Blower Motor, 1/4 HP, 1 Ph, 60 Hz, 115/208-230 V, 1550 RPM, 1 Speed, 48 Frame,
SEMI ENCLOSED



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Nameplate Specifications

Output HP	1/4 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	4.9/2.5-2.5 A	Speed	1550 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	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	9.49 in	Frame Length	3.88 in
Shaft Diameter	0.500 in	Shaft Extension	4.5 in
Outline Drawing	F48V11A01-S01	Connection Drawing	614131-315

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4		3		2		1			
GENERAL INFORMATION:				REV ECO		REV BY DATE APPD DATE			
SHAFT RUNOUT: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION				B 0025529		J.M.RAMIREZ 04-24-2012 R.RASCON 04-24-2012			
END PLAY: .010 TO .063 [.25 TO 1.60]									
BEARINGS: SLEEVE									
MOUNTING POSITION: HORIZONTAL									
ELECTRICAL DATA:									
OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)									
LEADS: NO. 18 GA., .06[1.5] THK. PVC 105°C INSUL.									
GROUND LEAD: NO. 18 GA., .03[.8] THK., (GREEN/YELLOW) INSUL.									
SEE NOTE1									
NAMEPLATE DATA:		EXTERNAL CONNECTION DIAGRAM							
MODEL NO.: F48V11A01 CUST. P/N: HP: 1/4 ROT.: CCWLE RPM: 1550 TYPE: UF FRAME: 48Y VOLTS: 115/208-230 PH: 1 AMPS: 4.9/2.5-2.5 HZ: 60 INS.: B AMB.: 40° C DUTY: AIR OVER CAP.: 4 MFD/370 V ENCL: SEMI-ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED		BROWN BRN/WHT YELLOW WHITE ORANGE BLACK PURPLE 115V LINE BROWN BRN/WHT WHITE BLACK YELLOW ORANGE PURPLE 230V LINE							
PERFORMANCE CURVE NO.		TORQUE @ 1550 RPM (25°C)		APPROVED SAMPLE		UL COMPONENT		CSA	
C32306		20.6 OZ. FT.		0442802B		E46412 PRGY2		LR43341 4211-01	
GEOMETRIC CHARACTERISTICS & SYMBOLS		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.		DR BY: DZ		02-16-2011		DESCRIPTION	
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.		APPD: DZ		02-16-2011		MODEL-RFHP-48FR OUTLINE	
THIRD ANGLE PROJECTION		CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF REGAL-BELOIT CORPORATION AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF REGAL-BELOIT CORPORATION. -ALL RIGHTS RESERVED.		EDS DATE 11-11-2011		FORMAT REV G		SIZE C DWG NO F48V11A01	
SCALE NONE		SHEET 1							

4

3

2

1

REVISION:ECO0025529

REVISADO POR:J.M.RAMIREZ

FECHA:04-24-2012

APROBADO POR:R.RASCON

FECHA:04-24-2012

INFORMACION GENERAL:

OSCILACION DE FLECHA:

JUEGO AXIAL:

BALEROS:

POSICION DEL MONTAJE:

INFORMACION ELECTRICA:

PROTECTOR DE SOBRECARGA

CABLES:

CABLE DE TIERRA:

INFORMACION DE ETIQUETA:

DIAGRAMA DE CONEXION EXTRNA

MODEL NO.: F48V11A01

CUST. P/N:

HP: 1/4

ROT.: CCWLE

RPM: 1550

TYPE: UF

FRAME: 48Y

VOLTS: 115/208-230

PH: 1

AMPS: 4.9/2.5-2.5

HZ: 60

INS.: B

AMB.: 40° C

DUTY: AIR OVER

CAP.: 4 MFD/370 V

ENCL: SEMI-ENCLOSED

UL LOGO

CSA LOGO

THERMALLY PROTECTED

BROWN

BRN/WHT

YELLOW

WHITE

ORANGE

BLACK

PURPLE

115V

LINE

BROWN

BRN/WHT

WHITE

BLACK

YELLOW

ORANGE

PURPLE

230V

LINE

614131-315

CURVAS DE FUNCIONAMIENTO

TORSION @ 1550 RPM (25°C)

MUESTRA APROBADA

COMPONENTE UL

CSA

C32306

20.6 OZ. FT.

0442802B

E46412

PRGY2

LR43341

4211-01

COLOR

LONGITUD

TERMINAL O LONGITUD DE DESFORRE

11.0/13.0

[279/330]

.25[6.4]

11.0/13.0

[279/330]

.25[6.4]

11.0/13.0

[279/330]

.50[12.7]

11.0/13.0

[279/330]

.50[12.7]

11.0/13.0

[279/330]

.50[12.7]

11.0/13.0

[279/330]

.50[12.7]

11.0/13.0

[279/330]

.50[12.7]

11.0/13.0

[279/330]

.50[12.7]

11.0/13.0

[279/330]

.50[12.7]

11.0/13.0

[279/330]

.50[12.7]

INFORMACION DE CABLES

TIPO DE MOTOR

CARCASA - LOC

TAPA - LOC

CARCASA - LC

TAPA - LC

CLIENTE

DISTRIBUTION SERVICES

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS

REGAL-BELOIT CORPORATION (RBC)

DIBUJADO POR:

APROBADO POR:

TERCER ANGULO DE PROYECCION

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PLANICIDAD

RECTITUD

ANGULARIDAD

PERPENDICULARIDAD (A ESCUADRA)

PARALELISMO

REDONDEZ (CIRCULARIDAD)

CILINDRICIDAD

PERFIL DE CUALQUIER SUPERFICIE

PERFIL DE CUALQUIER LINEA

VARIACION

POSICION REAL

CONCENTRICIDAD

SIMETRIA

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

02-16-2011

02-16-2011

FECHA EDS: 11-11-2011

REV. FORMATO: G

REGAL-BELOIT CORPORATION

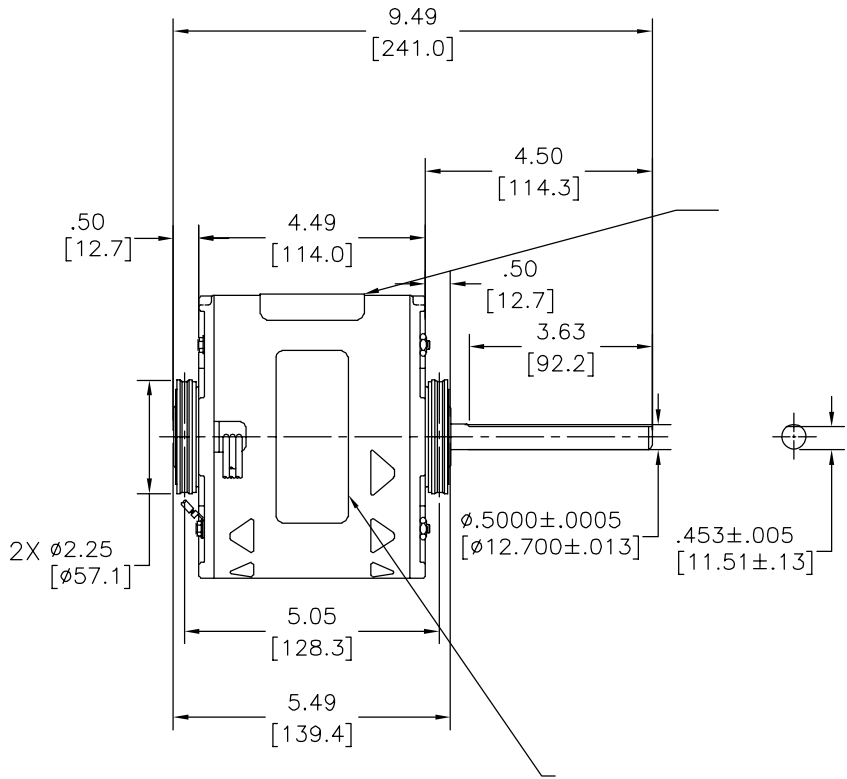
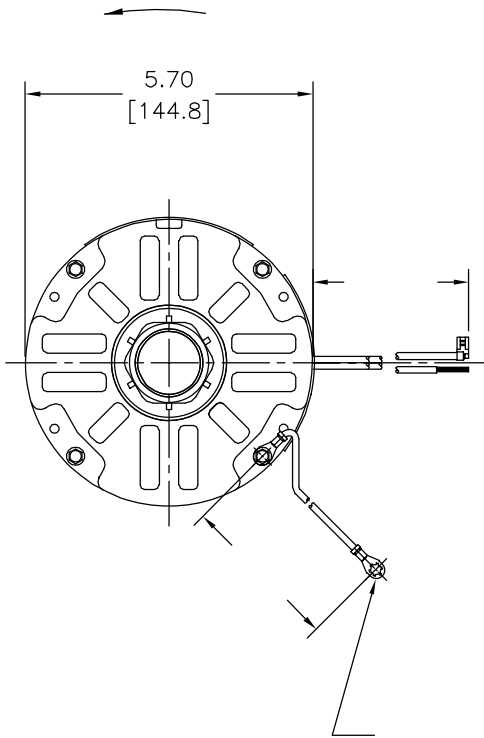
DESCRIPCION:

TAMAÑO:

NUMERO DE DIBUJO:

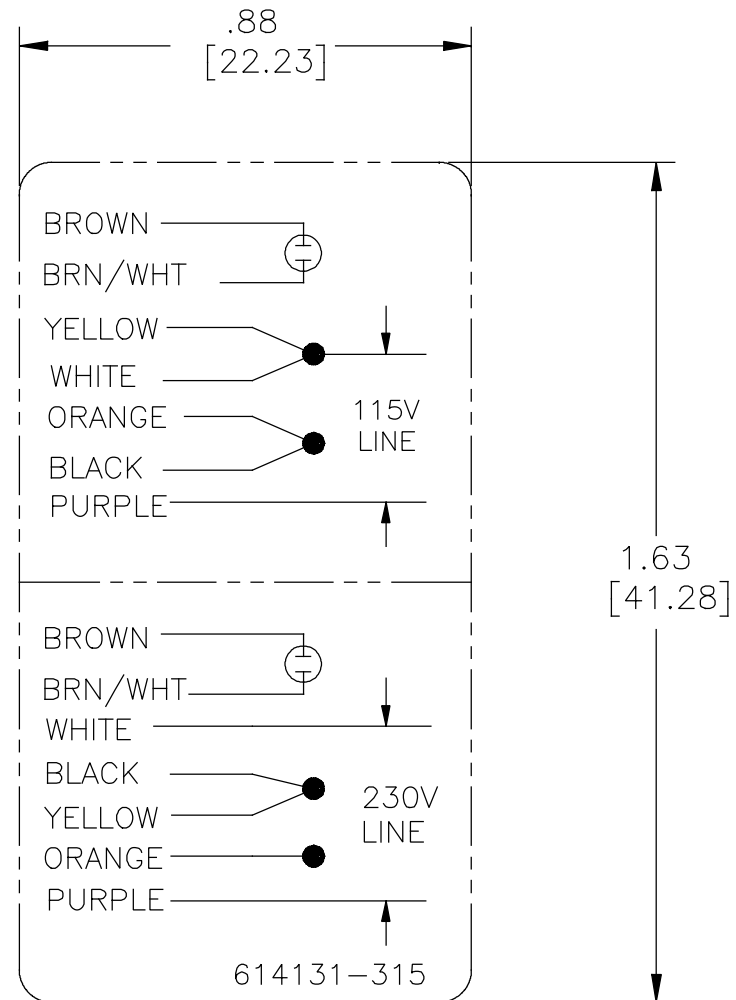
ESCALA:NONE

HOJA: 1



NOTES:

1. FOR USE WITH 614129 NAMEPLATE BLANK
2. — — — — — INDICATES DIMENSION LIMITS
3. DIE TO BE MADE FROM MASTER SUPPLIED BY REGAL BELOIT CORPORATION
4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.



DRAWING REVISION B	REVISION BY CADDIE.ZHOU	DATE 11-20-2018	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY: CADDIE.ZHOU	 Regal Beloit America, Inc.	
ECO ECO-0156876	APPROVED BY TRICIA.NIEDERHOLTMEYER	DATE 11-20-2018	DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.02 [±0.51] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DATE: 11-20-2018		
ECO DESCRIPTION REDRAW			REMOVE BURRS & BREAK SHARP EDGES .003/.015 [.076/.381] CORNER FILLETS .02 [.51] MACHINED SURFACES	APPROVED BY: TRICIA.NIEDERHOLTMEYER	DESCRIPTION CONN DIAGRAM-EXTERNAL	
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				REFERENCE 614131 SHT #32	MATERIAL	PROCESS/FINISH
				THIRD ANGLE PROJECTION 	SIZE DWG NO A 614131-315	SHEET 1