

PRODUCT INFORMATION PACKET



Model No: OFC1004

Catalog No: OFC1004

OEM Replacement Motor, 1/8 HP, 1 Ph, 60 Hz, 208-230 V, 1500 RPM, 2 Speed, 42 Frame, OPEN



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Nameplate Specifications

Output HP	1/8 Hp	Output KW	0.10 kW
Frequency	60 Hz	Voltage	208-230 V
Current	1.3 A	Speed	1500 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	A
Frame	42Y	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	4	Rotation	Counterclockwise Lead End
Mounting	Resilient Rings	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Na	Shaft Type	Flat
Overall Length	17.00 in	Shaft Diameter	0.500 in
Shaft Extension	6.7 X.5 X6.7 in		
Outline Drawing	11716-021	Connection Drawing	619083

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4

3

2

1

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: HORIZONTAL

ELECTRICAL DATA:

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

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

REV

ECO

REV BY

DATE

APPD

DATE

D

0026381

X.ZHONG

05-28-2012

B.SHEN

05-28-2012

CCW

ROT.

SLOT IN SCREW HEAD MUST BE ASSEMBLED ON THIS SIDE OF CONNECTOR CUSTOMER REQUIREMENTS

2X BEARING MARKER

LEAD LENGTH

CAPACITOR CLAMP AND SCREW ON END OPPOSITE LEADS

17.00
[431.8]

6.70
[170.2]

3.59
[91.2]

6.71
[170.4]

.54
[13.7]

.54
[13.7]

3.25
[82.6]

3.25
[82.5]

2X
ø2.50
[ø63.5]

ø4.88
[ø124.0]

4.33
[110.0]

2X
ø4.998^{+.0000}_{-.0005}
[ø12.695^{+.000}_{-.013}]

2X
.453±.005
[11.51±.13]

TOP OF NAMEPLATE

TOP OF STICKER WARNING

"TOP" IDENTIFIED

USABLE FLAT

USABLE FLAT

NAMEPLATE DATA:

EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F42C93A01
CUST. P/N: OFC1004
HP: 1/8
ROT.: CCWLE
RPM: 1500/2 SPD
TYPE: FLL
FRAME: 42Y
VOLTS: 208-230
PH: 1
AMPS: 1.3
HZ: 60
INS.: A
AMB.: 40° C
DUTY: AIR COVER
CAP.: 5MFD/440 V
ENCL: -
UL LOGO
CSA LOGO
THERMALLY PROTECTED TYPE C

LO

RED

HI

BLK

YEL

BRN

BRN

LINE

BROWN	CONNECTED TO CAPACITOR	.25[6.4] FLAG
BROWN	CONNECTED TO CAPACITOR	.25[6.4] FLAG
RED	33.0/36.0 [838/914]	.60[15.2] SKIN
BLACK	33.0/36.0 [838/914]	.60[15.2] SKIN
YELLOW	33.0/36.0 [838/914]	.60[15.2] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

MAIN FRAME - OLE

OPEN(10:30 THRU 6:30)

END FRAME - OLE

OPEN

MAIN FRAME - LE

OPEN(2:30 THRU 9:30)

END FRAME - LE

OPEN

CUSTOMER

DISTRIBUTION SERVICE

PERFORMANCE CURVE NO.

TORQUE @1500 RPM (25°C)

APPROVED SAMPLE

UL COMPONENT

CSA

C30345

9.8 OZ. FT.

88AC352A

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.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY:

J. RUPERT

02-24-1998

APPD:

T. RILEY

02-25-1998

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011

FORMAT REV H

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REGAL

REGAL-BELOIT CORPORATION

DESCRIPTION

MODEL-RFHP-42FR OUTLINE

SIZE C

DWG NO 11716-021

SCALE NONE

SHEET 1

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4				3				2				1							
INFORMACION GENERAL:								REVISION:		ECO		REVISADO POR:		FECHA:		APROBADO POR:		FECHA:	
								D		0026381		X.ZHONG		05-28-2012		B.SHEN		05-28-2012	
OSCILACION DE FLECHA: -								CCW ROT.											
JUEGO AXIAL: -																			
BALEROS: -																			
POSICION DEL MONTAJE: -																			
INFORMACION ELECTRICA:																			
PROTECTOR DE SOBRECARGA -																			
CABLES: -																			
INFORMACION DE ETIQUETA:								DIAGRAMA DE CONEXION EXTRNA											
MODEL NO.: F42C93A01 CUST. P/N: OFC1004 HP: 1/8 ROT.: CCWLE RPM: 1500/2 SPD TYPE: FLL FRAME: 42Y VOLTS: 208-230 PH: 1 AMPS: 1.3 HZ: 60 INS.: A AMB.: 40° C DUTY: AIR COVER CAP.: 5MFD/440 V ENCL: - UL LOGO CSA LOGO THERMALLY PROTECTED TYPE C																			
CURVAS DE FUNCIONAMIENTO		TORSION @1500 RPM (25°C)		MUESTRA APROBADA		COMPONENTE UL		CSA											
C30345		9.8 OZ. FT.		88AC352A		#ARCHIVO PRGY2 LR43341		CLASE # 4211-01		COLOR		LONGITUD		TERMINAL O LONGITUD DE DESFORRE		CARCASA - LOC		-	
																TAPA - LOC		-	
																CARCASA - LC		-	
																TAPA - LC		-	
								INFORMACION DE CABLES				TIPO DE MOTOR				CLIENTE		DISTRIBUTION SERVICE	
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.				DIBUJADO POR:		J. RUPERT		02-24-1998		REGAL-BELOIT CORPORATION					
								APROBADO POR:		T. RILEY		02-25-1998							
								TERCER ANGULO DE PROYECCION				FECHA EDS: 11-11-2011		DESCRIPCION: MODEL-RFHP-42FR OUTLINE					
								CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION. -TODOS LOS DERECHOS RESERVADOS.											
TAMAÑO: C		NUMERO DE DIBUJO: 11716-021				ESCALA:NONE						HOJA: 1							

4

3

2

1

总技术要求:

轴跳动:

端部窜动量

轴承:

安装位置:

电气数据:

过载保护:

引线:

接地线:

铭牌数据

外部数据线

性能曲线编号

转矩在 @ ——— RPM
(25° C)

批准样品

UL部件

CSA

形位公差

REGAL-BELOIT CORPORATION

ASME Y14.5M 1994

版本

ECO

编制

日期

批准

日期

33.0/36.0

33.0/36.0

33.0/36.0

颜色

长度

端子或剥线长度

无引线端机壳

无引线端端盖

有引线端机壳

有引线端端盖

密封性

用户

DISTRIBUTION SERVICE

名称

图幅

图号

比例

图纸格式发布日期

图纸格式版本

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17.00

6.70

3.59

6.71

.54

.54

3.25

3.25

2X

ø2.50

ø4.88

4.33

2X

ø.4998

ø12.695

2X

.453

CCW

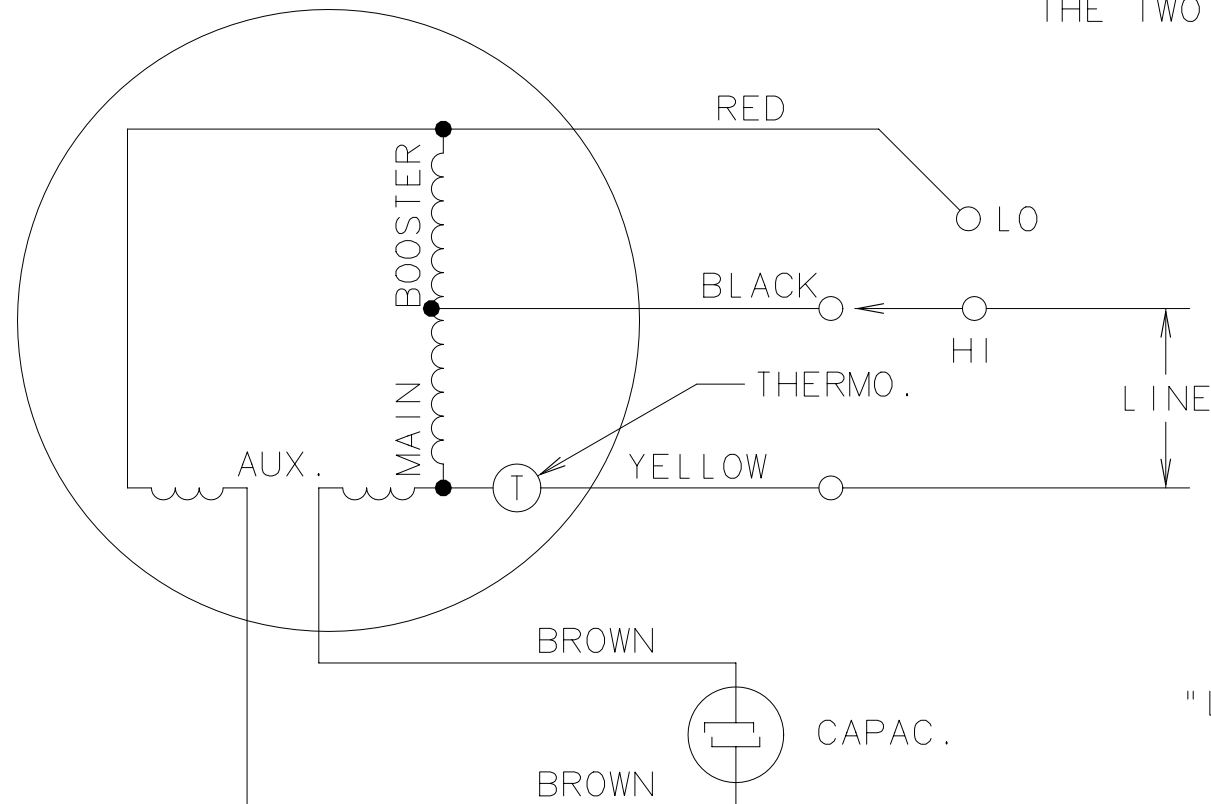
ROT.

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619083

QUALITY CONTROL NOTE:

- TO CHECK THE WINDINGS FOR OPENS, VERIFY THE CONTINUITY BETWEEN THE TWO BROWN LEADS.



"L" CONNECTION

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					DRAWN BY	NPN NO.	DESCRIPTION	
			FIRST MODEL 326P400	SHEET 1 OF 1	HEATH	19050	DIAG. MLW FR42 TYPE FLL	
			NO. OF MODELS 1	REFERENCE	APPROVED BY	REL. DATE	PART NO.	
				SCALE NONE		08/02/89		
			LIMITS UNLESS OTHERWISE SPECIFIED:			GROUP CODE	FILE CODE	619083
			FRACTIONS ± NONE ANGLES ± NONE			FR42	CONEXT	
			DECIMALS ± NONE					

* CADAM DWG. -DO NOT ALTER

B#10 (J) ✓