

PRODUCT INFORMATION PACKET



Model No: BL6534

Catalog No: BL6534

Fan and Blower Motor, 1/4 HP, 1 Ph, 60 Hz, 115 V, 1050 RPM, 3 Speed, 42 Frame, OAO



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Nameplate Specifications

Output HP	1/4 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	115 V
Current	8.2 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	Y
CE	N	Number of Speeds	3

Technical Specifications

Electrical Type	Shaded Pole	Starting Method	Across The Line
Poles	6	Rotation	Counterclockwise Lead End
Mounting	Flexible Arms	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	N/A	Shaft Type	Flat
Overall Length	8.59 in	Shaft Diameter	0.500 in
Shaft Extension	4.6 in		
Connection Drawing	7559A83F01	Outline Drawing	11692-047-S01

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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., .06 [1.5] THK. 125° C INSUL

NAMEPLATE DATA:

HP: ~~MODEL~~ NO.: B42A87A01

TYPE: 1/4

FRAME:CCWLE

VOLTS: 1050/3 SPD

PH: 1 FE

AMPS: 42Y

HZ: 60 115

INS.: A

AMB.: 8.2

DUTY:

CAP.:

ENCL: 40° C

UL LOGO

CSA LOGO

THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM

RED

LO

BLUE

MED

BLACK

HI

WHITE

LINE

PERFORMANCE CURVE NO.

TORQUE @ 1050 RPM (25°C)

APPROVED SAMPLE

UL COMPONENT

CSA

C32264

22.3 OZ. FT.

0441715C

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.

REV

ECO

REV BY

DATE

APPD

DATE

E

0026378

J.M.RAMIREZ

05-28-2012

R.RASCON

05-28-2012

CCW ROT.

3X 120°

2X BEARING MARKER

LEAD LENGTH

15°

3X GROMMET & FERRULE ON A Ø9.00[Ø228.6] BOLT CIRCLE

3X Ø.437[Ø11.10] HOLES ON A Ø10.18[Ø258.6] BOLT CIRCLE

GROUND LEAD TERMINAL AT MOTOR MUST NOT PROTRUDE BEYOND MOTOR O.D.

2X .28 [7.1]

8.99 [228.3]

4.09 [103.9]

2.90±.06 [73.6±1.5]

4.62 [117.3]

"TOP" IDENTIFIED

TOP OF NAMEPLATE

4.00 [101.6] USABLE FLAT

TOP OF STICKER WARNING

Ø.4998^{+.0000}_{-.0005}

Ø12.695^{+.000}_{-.013}

.453±.005 [11.51±.13] FLAT

NOTE

1. DISTRIBUTION PART NUMBER: BL6534

GRAINGER PART NUMBER: 4MB48

GREEN (GRD)

11.0/13.0 [279/330]

10 EYELET

RED

24.0/26.0 [609/660]

.50[12.7] STRIP

BLUE

24.0/26.0 [609/660]

.50[12.7] STRIP

BLACK

24.0/26.0 [609/660]

.50[12.7] STRIP

WHITE

24.0/26.0 [609/660]

.50[12.7] STRIP

COLOR

LENGTH

TERMINAL OR STRIP LENGTH

MAIN FRAME - OLE

OPEN

END FRAME - OLE

OPEN

MAIN FRAME - LE

OPEN

END FRAME - LE

OPEN

CUSTOMER

DISTRIBUTION SERVICES

REGAL

REGAL-BELOIT CORPORATION

DESCRIPTION

MODEL-RFHP-42FR

OUTLINE

SIZE

C

DWG NO

11692-047

SCALE

NONE

SHEET

1

4

3

2

1

REVISION:ECO0026378E

REVISADO POR:J.M.RAMIREZ

FECHA:05-28-2012

APROBADO POR:R.RASCON

FECHA:05-28-2012

INFORMACION GENERAL:

OSCILACION DE FLECHA: -

JUEGO AXIAL: -

BALEROS: -

POSICION DEL MONTAJE: -

INFORMACION ELECTRICA:

PROTECTOR DE SOBRECARGA: -

CABLES: -

CABLE DE TIERRA: -

VER NOTA 1

INFORMACION DE ETIQUETA:

HP:MODEL NO.: B42A87A01

TYPE: 1/4

FRAME:CCWLE

VOLTS:1050/3 SPD

PH: 1 FE

AMPS: 42Y

HZ: 60 115

INS.: A

AMB.: 8.2

DUTY:

CAP.:

ENCL: 40" C

UL LOGO

CSA LOGO

THERMALLY PROTECTED

DIAGRAMA DE CONEXION EXTRNA

ROJOBAJO

AZULMED

NEGROALTO

BLANCO

LINEA

CURVAS DE FUNCIONAMIENTO

TORSION @ --- RPM (25°C)

MUESTRA APROBADA

COMPONENTE UL

CSA

C32264

22.3 OZ. FT.

0441715C

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

DIBUJADO POR:J.RUPERT

07-30-2004

APROBADO POR:G.PIA

08-02-2004

TERCER ANGULO DE PROYECCION

FECHA EDS: 11-11-2011

REV. FORMATO: H

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.

REGAL

REGAL-BELOIT CORPORATION

DESCRIPCION:

MODEL-RFHP-42FR

OUTLINE

TAMAÑO:C

NUMERO DE DIBUJO:11692-047

ESCALA:NONE

HOJA: 1

3X120°

2X

MARCADOR DE BALERO

15°

LONG. DE CABLE

3X

TAPA DE CONTACTO EN UN Ø9.00[Ø228.6] ENTRE CENTROS

15°

3X

BARRENOS Ø.437[Ø11.10] EN UN Ø10.18[Ø258.6] ENTRE CENTROS

LONG. DE CABLE

LONG. DE CABLE

CCW ROT.

8.99[228.3]

4.09[103.9]

4.62[117.3]

2.90±.06[73.6±1.5]

2X.28[7.1]

”PARTE SUPERIOR” IDENTIFICADA PARTE SUPERIOR PLACA DE DATOS

4.00[101.6]

PLANO USABLE

Ø.4998+.0000-.0005

Ø12.695+.000-.013

PARTE SUPERIOR ETIQUETA DE ADVERTENCIA

4.53±.005[11.51±.13]

PLANO

TERMINAL DEL CABLE DE TIERRA NO DEBE SOBRESALIR MAS ALLA DEL DIAMETRO EXTERNO DEL MOTOR

NOTA

1. NO. DE PARTE DE DISTRIBUCION: BL6534

NO. DE PARTE GRAINGER: 4MB48

11.0/13.0

[279/330]

24.0/26.0

[609/660]

24.0/26.0

[609/660]

24.0/26.0

[609/660]

24.0/26.0

[609/660]

24.0/26.0

[609/660]

COLOR

LONGITUD

TERMINAL O LONGITUD DE DESFORRE

CARCASA - LOC

-

TAPA - LOC

-

CARCASA - LC

-

TAPA - LC

-

CLIENTE

DISTRIBUTION SERVICES

4 of 5

