

PRODUCT INFORMATION PACKET



Model No: BL6530

Catalog No: BL6530

Fan and Blower Motor, 1/3 HP, 1 Ph, 60 Hz, 115 V, 1075 RPM, 3 Speed, 42 Frame, SEMI ENCL



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Nameplate Specifications

Phase	1	Output HP	1/3 Hp
Output KW	0.25 kW	Voltage	115 V
Speed	1075 rpm	Service Factor	1.0
Frame	42Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	6.3 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	3

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Resilient Rings	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	N/A	Shaft Type	Flat
Overall Length	9.29 in	Shaft Diameter	0.500 in
Shaft Extension	4.7 in		
Outline Drawing	BL6530-S01	Connection Drawing	617835

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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

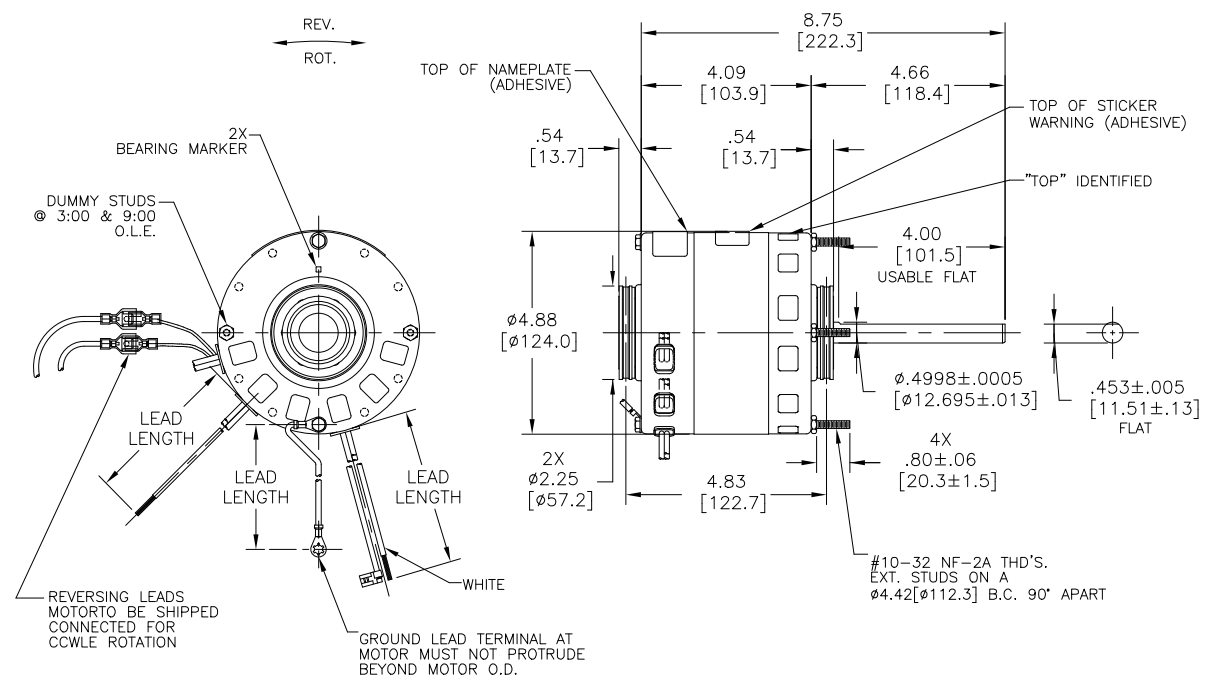
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 304)

LEADS: NO. 18 GA., .06[1.5] THK., 125°C INSUL.

REVERSING LEADS: NO. 18 GA., 125°C INSUL.
(.03[.8] THK., BLACK, BLUE & WHITE)
(.06[1.5] THK., BROWN)

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



NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO: F42F21A01 CUST. P/N: BL6530 HP: 1/3 ROT.: REVERSIBLE RPM: 1075/3 SPD. TYPE: FLL FRAME: 42Y VOLTS: 115 PH: 1 AMPS: 6.3 HZ: 60 INS.: B AMB: 40°C DUTY: AIR OVER CAP.: 15 MFD/370V UL & CSA LOGO THERMALLY PROTECTED TYPE C	RED — LO BLU — MED BLK — HI WHT — LINE BRN/WHT — BRN — WHT — BLK — BLU — BRN — BLK — ROTATION AT LEAD END CW CCW WHT — BRN — BLK — WHT — BLU — BLU — BRN — BLK —

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C32331	33.8 OZ. FT.	0442704D	E27885 XEWR2	LR43341 4211-01

GREEN(GRD)	5/7 [127/178]	#10 EYELET
BLUE(REV)	4/6 [102/152]	PRE-INSUL. MALE TAB
BLACK(REV)	4/6 [102/152]	PRE-INSUL. FEMALE SPADE
WHITE(REV)	4/6 [102/152]	PRE-INSUL. MALE TAB
BROWN(REV)	4/6 [102/152]	PRE-INSUL. FEMALE SPADE
BROWN/WHITE	12/14 [305/356]	.25[6.4] FLAG
BROWN	12/14 [305/356]	.25[6.4] FLAG
BLUE	28/30 [711/762]	.60[15.2] SKIN
RED	28/30 [711/762]	.60[15.2] SKIN
BLACK	28/30 [711/762]	.60[15.2] SKIN
WHITE	28/30 [711/762]	.60[15.2] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

MAIN FR. — OLE	OPEN
END FR. — OLE	OPEN
MAIN FR. — LE	SEMI-ENCL.
END FR. — LE	SEMI-ENCL.

CUST	DISTRIBUTION SERVICES
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DRAWING REVISION

BY	REVISION BY	DATE
ECO	J. RUPERT	03-13-2023
ECO-0224367	J. RUPERT	03-13-2023

ECO DESCRIPTION

CHANGED UL FILE NUMBER

3 of 4

ENCLOSURE

DRAWN BY:	JAGUILERA
DATE:	04-08-2014
APPROVED BY:	GALVIREZ
DATE:	04-08-2014
REFERENCE	11664-009
THIRD ANGLE PROJECTION	

REGAL Regal Beloit America, Inc.

DESCRIPTION

MODEL-RFHP-42FR

OUTLINE

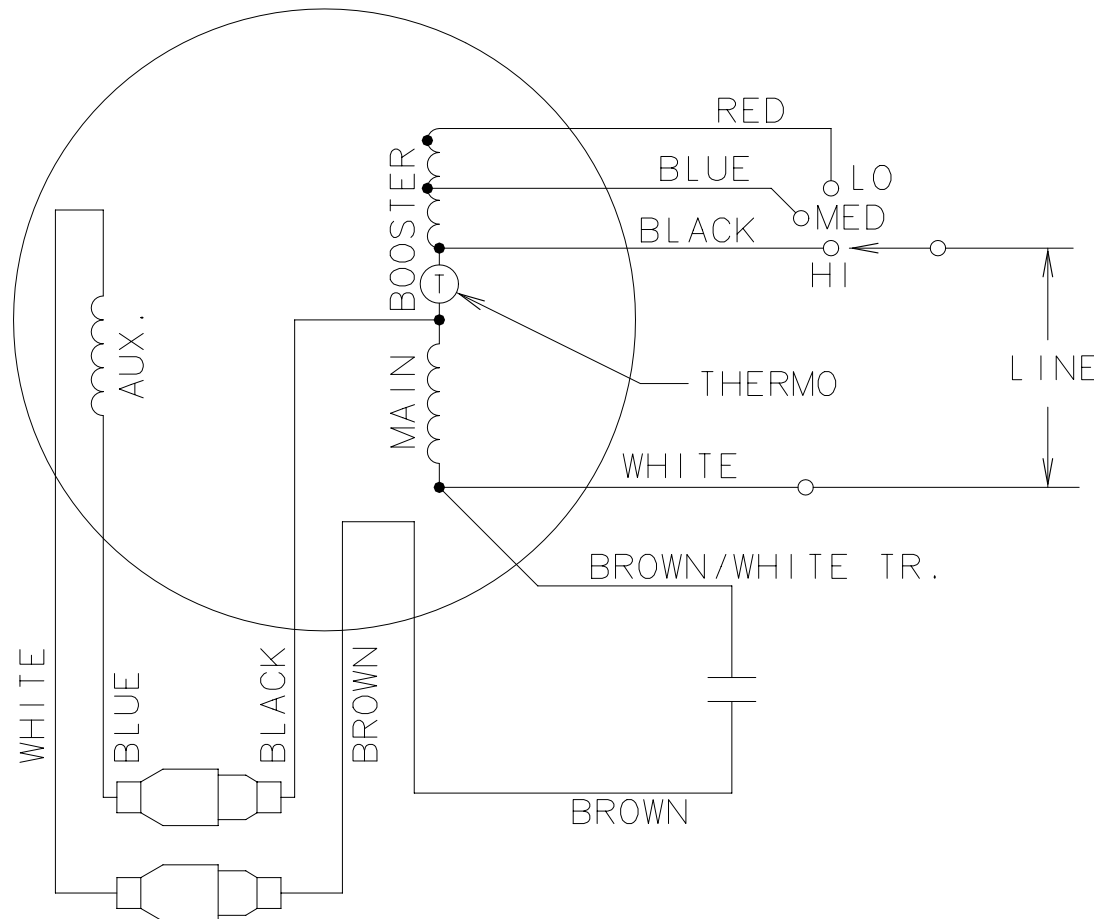
MATERIAL

PROCESS/FINISH

SIZE DWG NO

BL6530

SHEET 1



DATE	CHANGED FROM	NOTICE	MATERIAL	PROCESS	A.O.SMITH ELECTRICAL PRODUCTS COMPANY TIPP CITY, OHIO		A DIVISION OF A.O.SMITH CORPORATION  COPYRIGHT 1992	
			FIRST MODEL 322P924	SHEET 1 OF 1	DRAWN BY HEATH	NPN NO. 17615	DESCRIPTION FR.42 TYPE FLL DIAG. MLW	
			NO. OF MODELS 1	REFERENCE 617633	SCALE NONE	APPROVED BY	REL. DATE 7/21/87	PART NO.
			LIMITS UNLESS OTHERWISE SPECIFIED:			GROUP CODE FR42	FILE CODE CONEXT	617835
			FRACTIONS±NONE ANGLES± NONE DECIMALS ±NONE					