

PRODUCT INFORMATION PACKET



Model No: RAL1006

Catalog No: RAL1006

Fan Coil & Air Conditioner Motor, 1/8 HP, 1 Ph, 60/50 Hz, 115 V, 1075 RPM, 3 Speed, 48 Frame,
SEMI ENCL



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Nameplate Specifications

Phase	1	Output HP	1/8 Hp
Output KW	0.10 kW	Voltage	115 V
Speed	1075 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
Frequency	60/50 Hz	Current	2.0 A
Duty	Air Over	Insulation Class	A
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	Counterclockwise Lead End
Mounting	Resilient Ring/Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	20.00 in	Frame Length	3.13 in
Shaft Diameter	0.500 in	Shaft Extension	8.3X.5X8.0 in
Connection Drawing	614131-106	Outline Drawing	RAL1006-S01

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SHAFT RUNOUT: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION

BEARINGS: BALL

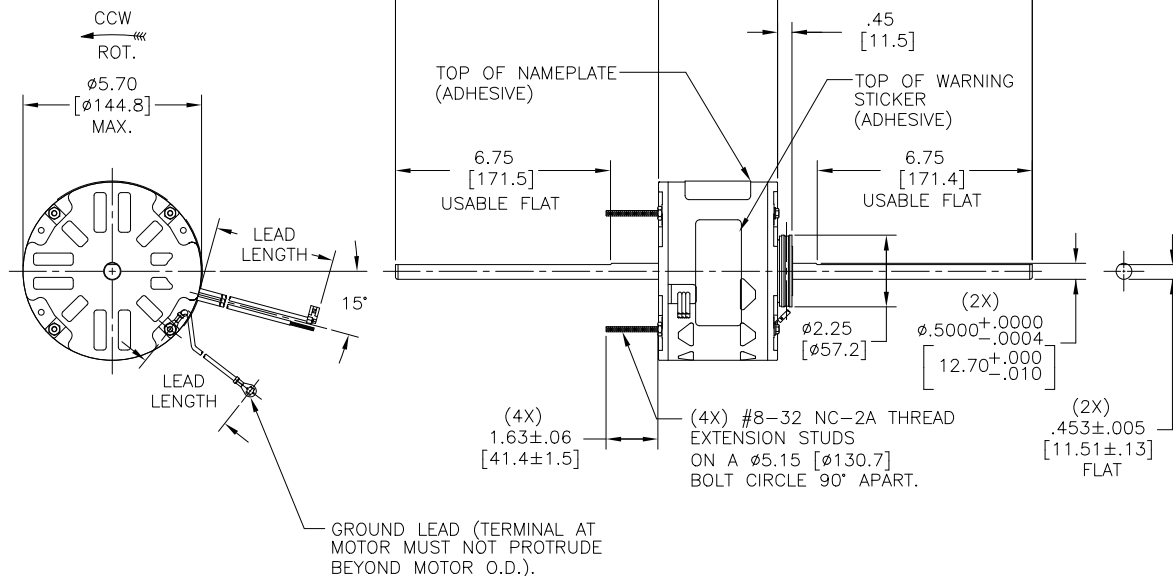
MOUNTING POSITION: ☐ HORIZONTAL

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

LEADS: NO. 18 GA., .06 [1.5] THK., 105°C PVC INSUL.

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



PERFORMANCE CURVE NO.	TORQUE @ 1100 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE #	CCN#	FILE #	CLASS #
C23652	10.0 OZ. FT.	EX11278	E27885	XEWR2	LR43341	4211-01

GREEN (GRD)	29.0/31.0 [737/787]	#10 EYELET
BROWN/WHITE	35.0/37.0 [889/940]	.25 [6.4] FLAG
BROWN	35.0/37.0 [889/940]	.25 [6.4] FLAG
WHITE	35.0/37.0 [889/940]	.60 [15.2] SKIN
BLACK	35.0/37.0 [889/940]	.60 [15.2] SKIN
BLUE	35.0/37.0 [889/940]	.60 [15.2] SKIN
RED	35.0/37.0 [889/940]	.60 [15.2] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

NOTES:

1. 615059--001 RESILIENT MOUNTING KIT
TO BE PACKED WITH MOTOR.
2. DISTRIBUTION PART NUMBER: RAL1006
GRAINGER PART NUMBER: 4MA51

MAIN FRAME - OLE	SEMI-ENCLOSED
END FRAME - OLE	OPEN
MAIN FRAME - LE	SEMI-ENCLOSED
END FRAME - LE	OPEN

CUSTOMER	DISTRIBUTION SERVICE
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DRAWING REVISION	REVISION BY	DATE
F	J. RUPERT	06-08-2002
E	APPROVED BY	
NMR-0022881	J. RUPERT	06-08-2002
E/C DESCRIPTION		
CHANGED TO BALL BEARING		

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ENCLOSURE

DRAWN BY:	J. RUPERT
DATE:	05-02-20
APPROVED	J. RUPERT
DATE:	06-20-20
REFERENCE	11773-C
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.

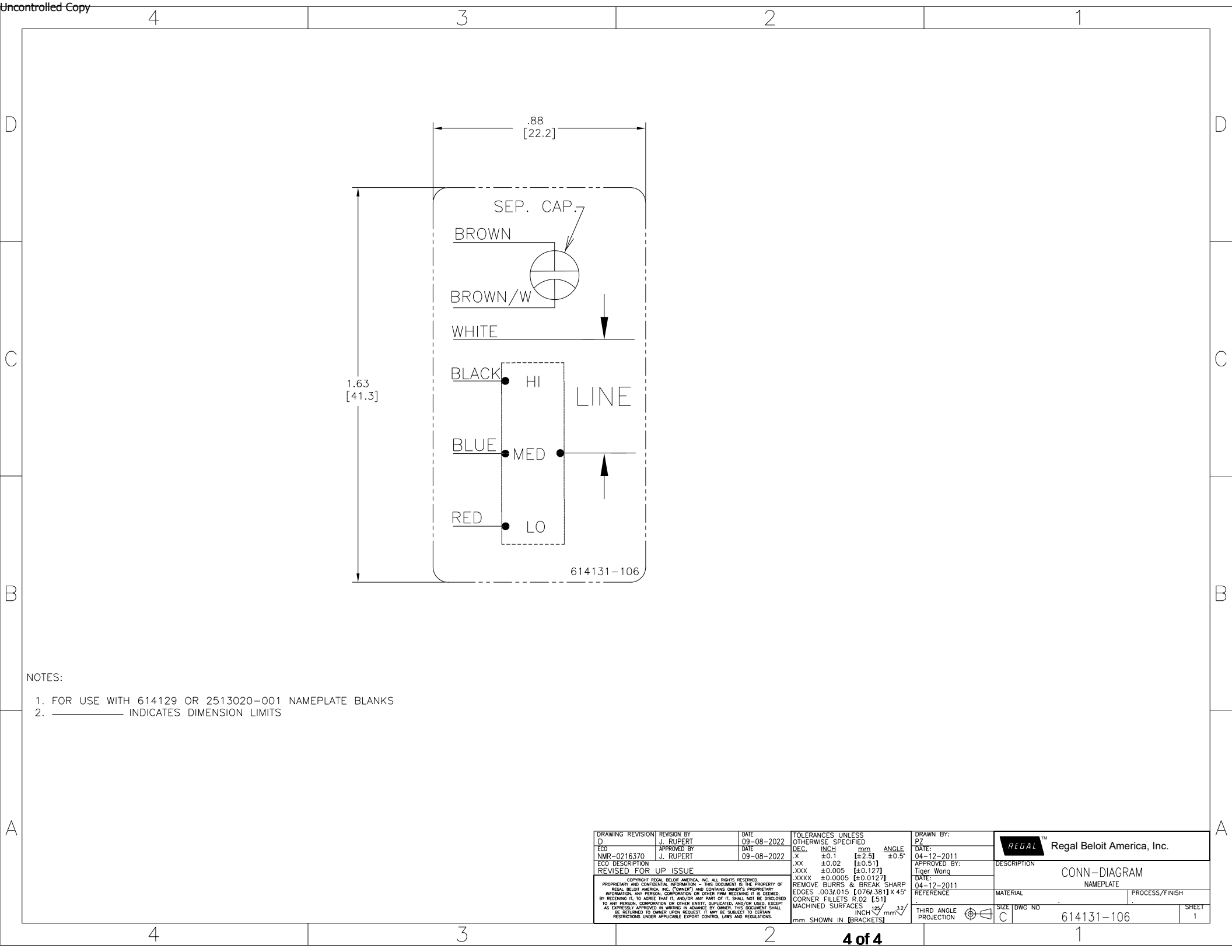
DESCRIPTION	MODEL-RFHP-48FR OUTLINE
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MATERIAL		PROCESS/FINISH
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11773-037
THIRD ANGLE
PROJECTION

SIZE	DWG NO	RAI 1006
C		

	SHE
	1



NOTES:

1. FOR USE WITH 614129 OR 2513020-001 NAMEPLATE BLANKS
2. _____ INDICATES DIMENSION LIMITS

DRAWING REVISION		REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN BY:	 Regal Beloit America, Inc.	
ECO		J. RUPERT	09-08-2022	DEC. INCH mm ANGLE		PZ		
NMR-0216370		J. RUPERT	09-08-2022	X ±0.1 [±2.5] ±0.5°		DATE:	04-12-2011	
ECO DESCRIPTION		REVISED FOR UP ISSUE		.XX ±0.02 [±0.51]		APPROVED BY:	Tiger Wong	
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				.XXXX ±0.0005 [±0.0127]		REFERENCE		
				REMOVE BURRS & BREAK SHARP		MATERIAL		
				EDGES .003/.015 [0.076/.381] X 45°		PROCESS/FINISH		
				CORNER FILLETS R.02 [51]		SIZE DWG NO	614131-106	
				MACHINED SURFACES .125 INCH mm 32		THIRD ANGLE PROJECTION		
				mm SHOWN IN [BRACKETS]		C	SHEET 1	