

PRODUCT INFORMATION PACKET



Model No: RAL1016

Catalog No: RAL1016

Fan Coil & Air Conditioner Motor, 1/6 HP, 1 Ph, 60 Hz, 115 V, 1075 RPM, 3 Speed, 48 Frame,
SEMI ENCLOSED



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Nameplate Specifications

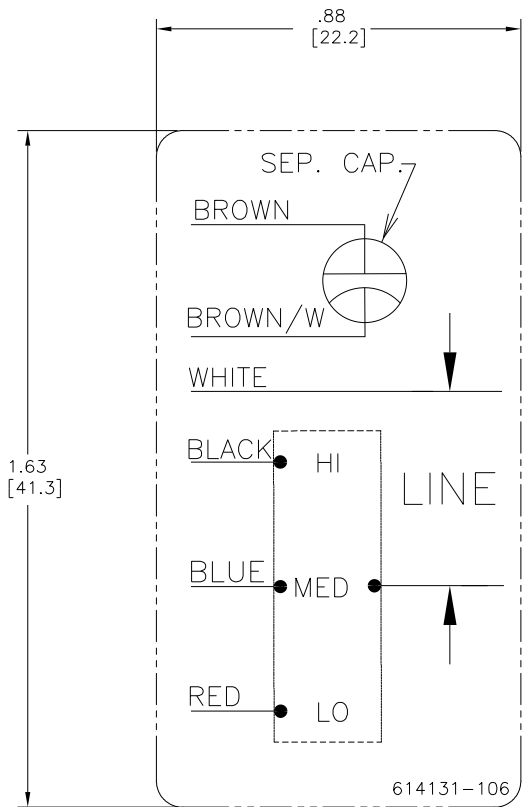
Phase	1	Output HP	1/6 Hp
Output KW	0.13 kW	Voltage	115 V
Speed	1075 rpm	Service Factor	1
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	2.2 A
Duty	Air Over	Insulation Class	A
UL	Recognized	CSA	Y
CE	N	Number of Speeds	3

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	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	20.00 in	Frame Length	3.25 in
Shaft Diameter	0.500 in	Shaft Extension	8.1X.5X8.0 in
Outline Drawing	11773-015-S01	Connection Drawing	614131-106

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

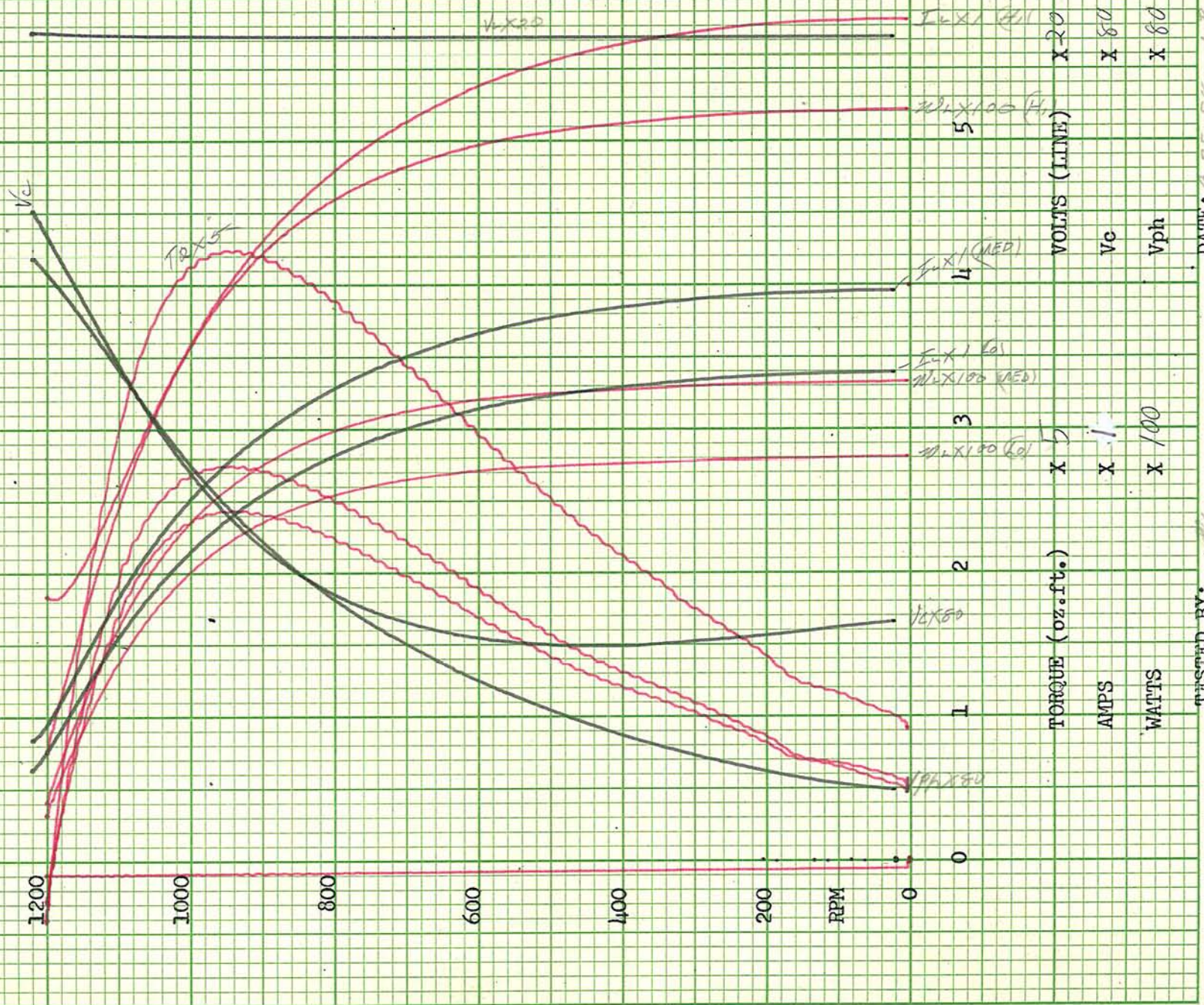
DRAWING REVISION		REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED			DRAWN BY:		 Regal Beloit America, Inc.	
ECO		J. RUPERT	09-08-2022	DEC. INCH mm ANGLE			PZ			
NMR-0216370		J. RUPERT	09-08-2022	X ±0.1 [±2.5] ±0.5°			DATE:		04-12-2011	
ECO DESCRIPTION		REVISED FOR UP ISSUE		.XX ±0.02 [±0.51]	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

Q3695

A. O. SMITH CORP. - ELECTRIC MOTOR DIVISION C23695

TYPE <u>UF</u>	FRAME <u>48</u>	MODEL NO. <u>1485E-1485201</u>
HP <u>1/4</u>	VOLTS <u>115</u>	HZ <u>60</u>
PHASE <u>1</u>	RPM <u>1075</u>	CAP <u>510</u>
		Ro't <u>ccw</u>
		MFD <u>304ec</u>

3 speed



TESTED BY: DATE: 4-25-64. AR



Specification & Rating Report

Item Number: **RAL1016**

Specification Number: **1**

Model Number: **F48SE6L9B1**

Carton Label Model
Number:

Customer Model
Number:

Sample Number:

Customer Specification
Number:

Catalog Number: **RAL1016**

Agency Type:

CE: **N**

CSA: **Y**

UL: **Y**

CE Number:

CSA Number: **NO**

UL Number: **NO**

UL Explosion Proof Rating:

Cubic Feet Per Minute:

F2 Assembly:

UPC Model Number:

UPC Catalog Number: **786674030283**

Nameplate Drive
Bearing Type:

Nameplate Opposite
Drive Bearing Type:

Label Drive Bearing **BALL**
Type:

Label Opposite Drive **BALL**
Bearing Type:

Capacitor:

Capacitor Rating MFD: **5**

Capacitor Included: **N**

Capacitor Rating VAC: **370**

Control Code:

DC Design Number:

Form Factor:

Design Status:

Features:

Connection Diagram:

Lubrication Label
Diagram:

Outline Diagram: **11773-015-S01**

Installation Diagram:

Warning Label
Diagram:

Outline Graphic: **21A**

Ambient Temperature: **40**

Insulation Class: **A**



Specification & Rating Report

Protector: AUTOMATIC	Thermal Protection:
Nameplate Overload:	Label Overload:
IP Code:	
Nameplate Enclosure: SEMI ENCL	Label Enclosure: SEMI ENCL
Frame Length: 3.25	Frame Length UOM:
Frame Diameter:	Frame Diameter UOM:
Frame Size: 48Y	
Frame Material: ROLLED STEEL	End Frame Material:
Operator Instruction Manual:	
Nameplate Mounting:	Label Mounting: STUD/RESILIENT RING
Base Height:	Base Height UOM:
Ring Diameter:	RingDiameterUOM:
Nameplate:	Carton Label:
Nameplate Location L Format:	
Brake:	Tachometer:
Layer Quantity:	Pallet Quantity:
Phase: 1	CurrentType:
DC Pole:	
Poles: 6	
Speeds: 3	
Duty: AIR OVER	
Shaft Diameter: 1/2	Shaft Diameter UOM: IN
Shaft Extension: 8.1X.5X8.0	Shaft Extension UOM: IN
Shaft Material:	Rotation: CCWLE
Shaft Type: FLAT	
Motor Type: UF	
Motor Use:	
Nameplate 1:	
Nameplate 2:	
Nameplate Text 1:	



Specification & Rating Report

Nameplate Text 2:

Nameplate Text 3:

Nameplate Text 4:

Label Text 1: **PERMANENT**

SPLIT

CAPACITOR

Label Text 2:

Label Text 3: **CONSERVATIONIST**

ROOM AIR

CONDITIONER

MOTOR

Label Text 4:

Brand Line:

Vendor Line:

Motor Weight:

Motor Weight UOM:

Shipping Weight:

Shipping Weight UOM:

Armature Field

Winding:

Core Length:

Core Length UOM:

Winding Code:

Winding Specification:

Nameplate Only

Instructions:

Nameplate & Label

Instructions:

Label Only

Instructions:



Specification & Rating Report

Rating Number: **1**

Horsepower: **1/6**

Volts: **115**

Hertz: **60/50**

Field Current:

Revolutions Per **1075/3SPD**
Minute:

Service Factor: **1.0**

Service Factor Amps:

NEMA Code:

NEMA Design:

Customer Nameplate Number:

Kilowatts:

Amps: **2.2**

Maximum Amps: **3.1**

Armature Current:

Power Factor:

Service Factor Volts:

NEMA Nominal Efficiency: **55.6**

NEMA Guaranteed Efficiency: