

PRODUCT INFORMATION PACKET



Model No: 9650
Catalog No: 9650

OEM Replacement Motor, 1/6 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 2 Speed, 48 Frame, SEMI ENCL



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Nameplate Specifications

Phase	1	Output HP	1/6 Hp
Output KW	0.13 kW	Voltage	208-230 V
Speed	1075 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
Frequency	60 Hz	Current	1.2/1.2 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Counterclockwise Lead End
Mounting	Lug	Motor Orientation	Vertical Shaft Down
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	7.24 in	Frame Length	3.13 in
Shaft Diameter	0.500 in	Shaft Extension	3.13 in
Connection Drawing	614131-013	Outline Drawing	12040-011

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GENERAL INFORMATION:

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

END PLAY: .010 TO .063

BEARINGS: SLEEVE

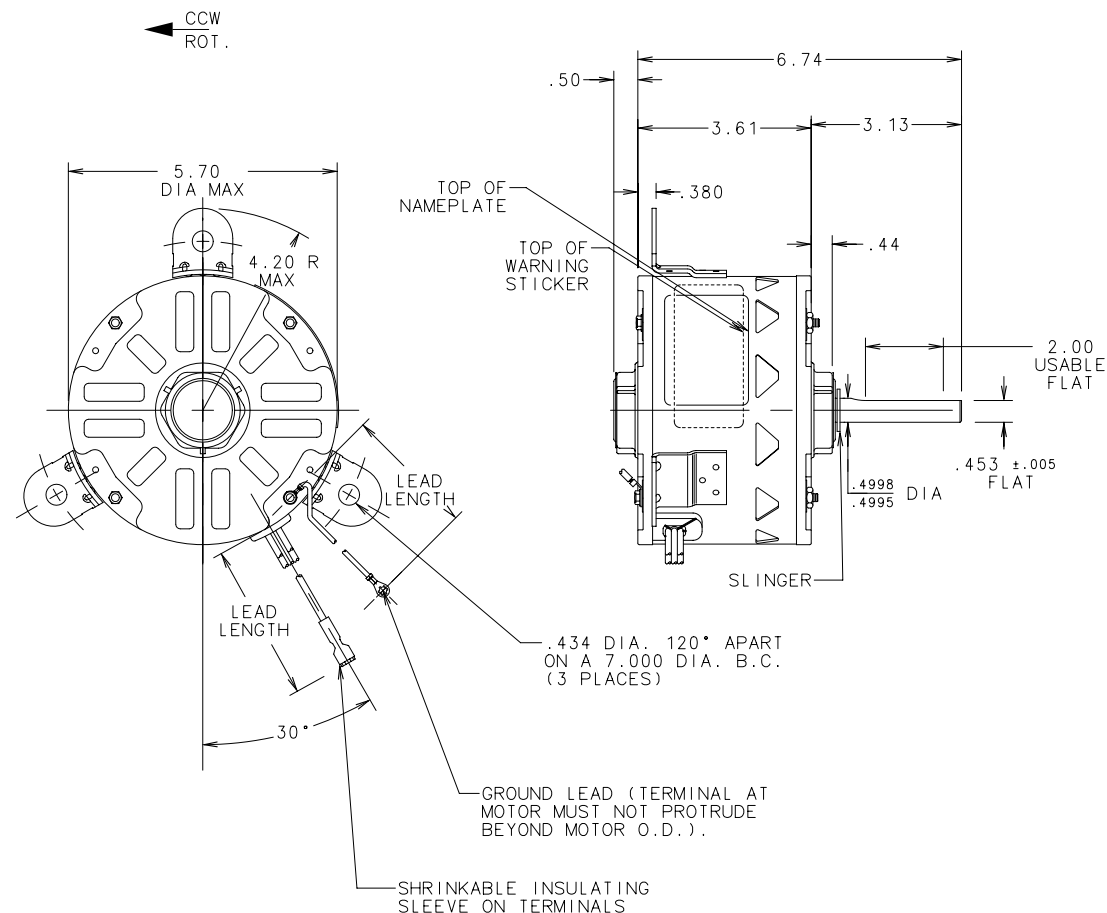
MOUNTING POSITION: VERTICAL SHAFT DOWN

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

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

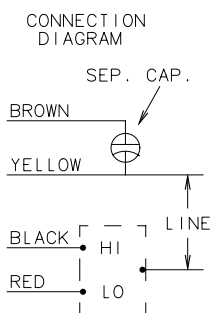
GROUND LEAD: NO. 18 GA., .06 THK. GREEN INSUL.



NAMEPLATE DATA:

EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48U94A01
 CUST P/N: 9650
 HP: 1/6
 ROT: CCWLE
 RPM: 1075/2 SPD
 TYPE: UF
 FRAME: 48Y
 VOLTS: 208-230
 PH: 1
 AMPS: 1.2-1.2
 HZ: 60
 INS: B
 AMB: 40°C
 DUTY: AIR OVER
 CODE: D
 CAP.: 4 MFD/370 V
 ENCL: SEMI-ENCL.
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED



614131-013

GREEN (GROUND)	11/13	#10 EYELET
BROWN	48/50	.25 FEMALE SPADE
YELLOW	48/50	.25 FEMALE SPADE
BLACK	48/50	.25 FEMALE SPADE
RED	48/50	.25 FEMALE SPADE
COLOR	LENGTH	TERMINAL OR STRIP LENGTH
LEAD DATA		

MAIN FR.-OLE	OPEN
END FR.-OLE	OPEN
MAIN FR.-LE	ENCLOSED
END FR.-LE	OPEN
ENCLOSURE	

CUST. DIST. SERVICES

PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT				CSA	
			FILE#	GUIDE#	FILE#	GUIDE#		
C32267	14.27 OZ. FT.	0442381	E46412	PRGY2	LR43341	260-0-0		

DATE	CHANGED FROM	APPROVED ENG DRG	NOTICE	DATE	CHANGED FROM	APPROVED ENG DRG	NOTICE
H				A 08/28/04	"FLIPPED" LUGS IN SIDE VIEW	GP KAG	0444287
J				B 12/17/04	VLOTS FROM: 230 AMPS FROM: 1.2	KAGKAG	0446025
K				C			
L				D			
M				E			
N				F			
P				G			

A.O. SMITH PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE A.O. SMITH 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 REF. ONLY

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MATERIAL	DRAWN S. RECKERS 07/29/04	A.O. SMITH ELECTRICAL PRODUCTS COMPANY TIPPECANOE, OHIO A DIVISION OF A.O. SMITH CORPORATION COPYRIGHT 1995	
PROCESS	APPROVED G. PIATT 08/02/04		
REFERENCE		DESCRIPTION	
		MOTOR OUTLINE	
APPLICATION	-	SIZE B	PART NUMBER 12040-011
USER/FILE	PSCS/MOTOUT	SCALE NONE	NOTICE 0442381 SHEET 1

