



CANARM SD FAN MODEL WIRING INFORMATION

ELECTRICAL CONNECTIONS



WARNING: BE SURE POWER IS OFF AT THE ELECTRICAL PANEL BEFORE WIRING.

WARNING: ALL ELECTRICAL WORK SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN.

These fans are supplied with single, two or variable speed motors. Single and two speed motors are 120V only. Variable speed motors are dual voltage. All dual voltage motors are pre-wired at 240V in our factory. Rewire motor as per motor nameplate if running fan at 120V. Please see the motor nameplate for wiring diagram. Make electrical connections in motor connection box as per the motor nameplate. Follow **Chart #1** for wire sizes. Two speed fans require a two speed control or 3 position toggle switch to change from high/ low/off. See wiring diagram with control for 2 speed wiring instructions.

CHART#1

Motor HP	25 to 50 Feet			100 Feet			150 to 200 Feet		
	200V	230V	460V	200V	230V	460V	200V	230V	460V
1/8	14(18)*	14(18)*	14(18)*	14(18)*	14(18)*	14(18)*	14(16)*	14(16)*	14(18)*
1/6	14(18)*	14(18)*	14(18)*	14(18)*	14(18)*	14(18)*	14	14(16)*	14(18)*
1/4	14(18)*	14(18)*	14(18)*	14(16)*	14(18)*	14(18)*	14	14	14(18)*
1/3	14(18)*	14(18)*	14(18)*	14(16)*	14(16)*	14(18)*	12	14	14(18)*
1/2	14(16)*	14(18)*	14(18)*	12	14(16)*	14(18)*	10	12	14(18)*
3/4	14(16)*	14(16)*	14(18)*	12	14	14(18)*	10	10	14(16)*
1	14	14(16)*	14(18)*	12	12	14(18)*	8	10	14(16)*
1 1/2	12	14	14(18)*	10	10	14(16)*	6	8	14
2	12	12	14(18)*	8	10	14(16)*	6	6	12
3	10	12	14(18)*	6	8	14	4	6	12

Motor HP	25 to 50 Feet			100 Feet			150 to 200 Feet		
	200V	230V	460V	200V	230V	460V	200V	230V	460V
1/8	14(18)*	14(18)*	14	14(18)*	12	14(18)*	10	8	14
1/6	14(16)*	14(18)*	12	14(18)*	10	14(18)*	6	6	12
1/4	14	14(18)*	10	14(16)*	6	14	6	4	10
1/3	14	14(18)*	10	14(16)*	8	14	6	4	10
1/2	12	14(18)*	8	14	6	12	4	3	8
3/4	10	14(16)*	6	12	4	10	2	1	6
1	10	14(16)*	6	12	4	10	2	1	6
1 1/2	8	14	6	12	3	8	1	1/0	6
2	6	14	4	10	2	8	1/0	2/0	4
3	6	12	3	8	1/0	6	2/0	4/0	3

NOTE:

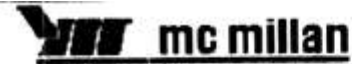
- NEC Article 310-5 - *Minimum conductor size for general wiring at 115-440VAC is number 14AWG.
- Above wire sizes based on approximate 5% voltage drop during starting: copper conductors; and 75°C type THHW, THW, THWN, RH, RHW insulation etc. For aluminum wire, increase two wire size steps minimum. See NEC Article 310 for ampacities of aluminum conductors.
- Type S, SO, SJ, SJO, etc. flexible cable wire sizes. See NEC article 400 for ampacity.





CANARM SD FAN MODEL WIRING DIAGRAM

S08-B2 / S10-B2



INDUSTRIA DE MOTORES ELECTRICOS S.A. DE C.V.

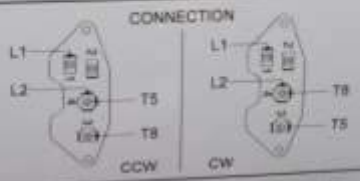
1/20 HP, 1 PH, 120 V, 60 HZ,
1.7 A, 1600 RPM, CCWLE, TP, CLASS B,
TWO SPEED, CUST. P/N P1000-B4
MOD. 821391750*



II-04 MADE IN MEXICO
COLOR CODE
WHITE-COMMON, BLACK-HIGH, RED-LOW,
GREEN-GROUND

S12-E1 / S14-E1 / S16-E1

PART#	P1104-CE	
MODEL	A48 1/4S4C	HP 1/4
FRAME	48	ENCL TEAO PH 1
RPM	1650	CODE J HZ 60
NEMA	L	INS B SF 1.0
VOLTS	115	DUTY CONT
AMPS	2.7	AMB 40 °C
DATE	18.01	



S12-E2 / S14-E2 / S16-E2

UL Motors
U144AS
 THERMALLY PROTECTED
 CL B INS-CONT AIR OVER
 ROT ← CAP 7.50/37B
 HP 1/4 RPM 1650 PH 1
 V 115 HZ 60
 P 3.49 C/PN P1104-F3GE

S12-EVD / S16-EVD

EMERSON MODEL K55HXHTM-6879 HP 1/2
 VOLT 115/230 HZ 50 AMP 5.0/2.5 PH 1
 R.P.M. 1700 THERMALLY PROTECTED
 PT. NO. MOA08879 MFG. NO. J07C
 INS-CL B AIR OVER CONT FRAME 48Y
 WARNING: FOLLOW ALL SAFETY INFORMATION TO REDUCE POTENTIAL ELECTRICAL SHOCK. DISCONNECT POWER BEFORE SERVICING. FOLLOW NATIONAL AND LOCAL CODES FOR GROUNDING AND INSURE ALL UNUSED LEAD WIRES INDIVIDUALLY.

S18-F1 / S20-F1

PART#	P1104-CF	
MODEL	A48 1/3S4C	HP 1/3
FRAME	48	ENCL TEAO PH 1
RPM	1740	CODE A HZ 60
NEMA	L	INS B SF 1.0
VOLTS	115	DUTY CONT
AMPS	4.12	AMB 40 °C
DATE	18.01	



S18-F2

PART NO. P1114-F3 HZ-60
 MODEL 4VD48S173818 P HP-1/3-1/8
 FR-48 PH-TYPE-55 RPM-1725/1140
 AMB-40°C INS-B DUTY-CONT VOLT-115
 DES- THERMALLY PROTECTED FLA-5.3/2.9
 MC183430 040797 SF-1.0
 AIR OVER MOTOR ENC-TEWO
 CODE- P
 PERMANENTLY LUBRICATED-BALL BEARINGS

S18-FVD

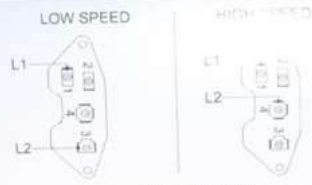
CANARM # P1161-F **FHP**
 CAT.NO. M099800B **TEAO**
 HP 1/3 MOD. NO. A4P17NB56 V 115 V 230
 Hz 60 RPM 1825 P.F. 82 FLA 3.6 FLA 1.8
 PH 1 AUTO THERMALLY PROTECTED MEG61RX EFF% 69 SFA
 FRAME 48 DUTY CONT. DES. N SFA
 TYPE PN MAX. AMB. °C 40 S.F. 1.0
 DATE INS.CLASS B5 CODE D
 LEESON ELECTRIC CORPORATION
 MADE IN CHINA



CANARM SD FAN MODEL WIRING DIAGRAM

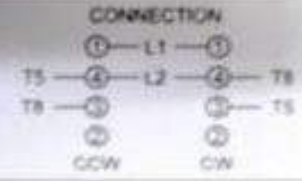
S20-F2

PART#	P1114-CF		
MODEL	A48 1/3S4C / 1/8S6C-U	HP	1/3
FRAME	48	ENCL	TEAO
		PH	1
RPM	1710/1145	CODE	N
		HZ	60
NEMA	L	INS	F
		SF	1.0
VOLTS	115	DUTY	CONT
AMPS	5.5/2.9	AMB	40 °C
DATE	17.11		



SD24-F1

PART#	P1105-CF		
MODEL	A48 1/3S6C-Y	HP	1/3
FRAME	48	ENCL	TEAO
		PH	1
RPM	1080	CODE	D
		HZ	60
NEMA	L	INS	B
		SF	1.0
VOLTS	115	DUTY	CONT
AMPS	3.6	AMB	40
DATE	15.11		



SD24-GVD / SD30-G1D

CUST NOP1188-F		CAT NO	
MOD	W A 48A11T11052A K	- WARNING -	
HP	1/3	TERMINAL COVER MUST BE IN PLACE FOR SAFE OPERATION.	
		GROUND IN ACCORDANCE WITH LOCAL & NATIONAL ELECTRIC CODES.	
V	115/230	KEEP FINGERS & OBJECTS AWAY FROM OPENINGS & ROTATING PARTS.	
		DISCONNECT POWER SOURCES BEFORE TOUCHING INTERNAL PARTS.	
RPM	1075	M85091042-1	
		CCW ROTATION (R/P SHAFT END SHOWN, TO REVERSE, IN EITHER VOLTAGE, INTERCHANGE RED WITH BLACK LEADS.	
A	4.4/2.2	LOW VOLT	
		HIGH VOLT	
SFA		PURPLE	
		RED	
AMB	40 °C	WHITE	
		YELLOW	
CONT	TYPE SC	ORANGE	
		BROWN	
HZ	50	INSULATE	
		ORANGE	
V	110/220	BROWN	
		INSULATE	
RPM	900	BLACK	
		WHITE	
SF	1.0	BLACK	

SD36-G1D

PART#	P1170-CG		
MODEL	A48 1/2S8C-1	HP	1/2
FRAME	48	ENCL	TEAO
		PH	1
RPM	855	CODE	B
		HZ	60
NEMA	L	INS	B
		SF	1.0
VOLTS	115/230	DUTY	CONT
AMPS	5.88/3.01	AMB	40 °C
DATE	17.05		

SD42-H1D / SD48-H1D

PART#	P1170-C		
MODEL	A56 1S8A	HP	1
FRAME	56	ENCL	TEAO
		PH	1
RPM	790	CODE	A
		HZ	60
NEMA	L	INS	F
		SF	1.0
VOLTS	230	DUTY	CONT
AMPS	5.04	AMB	40 °C
DATE	16.03		