

OPTIONAL ELECTRIC HEAT KIT FOR MULTI-POSITION AIR HANDLER

USE WITH: PVFY-P-NAMU-E/E1; MVZ-A-AA4/7; SVZ-KP-NA; PVA-A-AA4/7

Job Name:

System Reference:

Date:

GENERAL FEATURES

- 208/240V Electric Heat Kits
- Mounts directly to the air outlet connection of the multi-position air handler



CAUTION

- Do not power the electric heat kit from the outdoor unit.
 - A separate power supply must be provided.
 - Air handler must be set on non-combustible floor when using electric heat in the downflow configuration.
 - Maximum external static pressure of 0.60 in WG for all installations with electric heaters.
- For more details, see note on best design practice on page 4.

ACCESSORIES

Separate Power Kit for MVZ, SVZ and PVA models This kit allows the installer to connect power from a source other than the outdoor unit to the air handler. (S2 & S3 still must connect from outdoor unit for communication)	<input type="checkbox"/> SPTB1
Auxiliary Heat Lockout for MVZ, SVZ and PVA models This option prevents the electric heat kit from operating above a set outside temperature.	<input type="checkbox"/> ETC-211000-MIT
Replacement Temp Probe for ETC-211000-MIT	<input type="checkbox"/> 1309007-044

AVAILABLE COMBINATIONS: ELECTRIC HEAT KIT

(See note on best design practice on page 4)



NOTE

No other combination approved.

MODEL PER OUTDOOR UNIT

		Electric Heat Kit												
		EH03-MPA-S(B)	EH05-MPA-S(B)	EH08-MPA-S(B)	EH03-SVZ-S	EH05-SVZ-S	EH08-SVZ-S	EH03-MPA-M(B)	EH05-MPA-M(B)	EH08-MPA-M(B)	EH10-MPA-M(B)	EH10-MPA-L(B)	EH15-MPAS-L(B)	EH17-MPAS-L(B)
Stages (1st + 2nd)		3	5	4+4	3	5	4+4	3	5	4+4	5+5	5+5	7.5+7.5	8.75+8.75
Air Handler Model	PV FY-P12NAMU-E	○	○											
	PV FY-P12NAMU-E1													
	PV FY-P18NAMU-E	○	○	○										
	PV FY-P18NAMU-E1													
	PV FY-P24NAMU-E	○	○	○										
	PV FY-P24NAMU-E1													
	PV FY-P30NAMU-E							○	○	○	○			
	PV FY-P30NAMU-E1													
	PV FY-P36NAMU-E									○	○			
	PV FY-P36NAMU-E1													
	PV FY-P48NAMU-E												○	○
	PV FY-P48NAMU-E1													○
	PV FY-P54NAMU-E												○	○
	PV FY-P54NAMU-E1													○
	MVZ-A12AA4	○	○											
	MVZ-A12AA7													
	MVZ-A18AA4	○	○	○										
	MVZ-A18AA7													
	MVZ-A24AA4	○	○	○										
	MVZ-A24AA7													
	MVZ-A30AA4							○	○	○	○			
	MVZ-A30AA7													
	MVZ-A36AA4									○	○			
	MVZ-A36AA7													
	SVZ-KP12NA				○	○								
	SVZ-KP18NA				○	○	○							
	PVA-A12AA7	○	○											
	PVA-A18AA7	○	○	○										
	PVA-A24AA7							○	○	○	○			
	PVA-A30AA4							○	○	○	○			
PVA-A30AA7														
PVA-A36AA4											○	○		
PVA-A36AA7														
PVA-A42AA4											○	○	○	
PVA-A42AA7														

ELECTRICAL SPECIFICATIONS: ELECTRIC HEAT KIT

(See note on best design practice on page 4)

Electric Heat Part Number	Heater kW		Heater Amps ¹	MCA ¹	MOP ¹	Htr & Mtr Amps ²	MCA ²	MOP ²	Factory Installed Circuit Breaker
	208V/240V		208V/240V	208V/240V	208V/240V	208V/240V	208V/240V	208V/240V	
EH03-SVZ-S	2.3/3.0		10.8/12.5	13.5/15.6	15/20	13.2/14.9	16.5/18.6	20/20	20
EH05-SVZ-S	3.8/5.0		18.1/20.8	22.6/26	25/30	20.5/23.2	25.6/29	30/30	30
EH08-SVZ-S	6.0/8.0		28.9/33.3	36.1/41.7	40/45	31.3/35.7	39.1/44.7	40/45	45
EH03-MPA-S(B)	2.3/3.0		10.8/12.5	13.5/15.6	15/20	13.2/14.9	16.5/18.6	20/20	20
EH05-MPA-S(B)	3.8/5.0		18.1/20.8	22.6/26	25/30	20.5/23.2	25.6/29	30/30	30
EH08-MPA-S(B)	6.0/8.0		28.9/33.3	36.1/41.7	40/45	31.3/35.7	39.1/44.7	40/45	45
EH03-MPA-M(B)	2.3/3.0		10.8/12.5	13.5/15.6	15/20	14.1/15.8	17.7/19.8	20/20	20
EH05-MPA-M(B)	3.8/5.0		18.1/20.8	22.6/26	25/30	21.4/24.1	26.7/30.2	30/30	30
EH08-MPA-M(B)	6.0/8.0		28.9/33.3	36.1/41.7	40/45	32.2/36.6	40.2/45.8	45/50	50
EH10-MPA-M(B)	7.5/10		36.1/41.7	45.1/52.1	50/60	39.4/45	49.3/56.2	50/60	60
EH10-MPA-L(B)	7.5/10		36.1/41.7	45.1/52.1	50/60	40.6/46.2	50.8/57.7	60/60	60
EH15-MPAS-L(B)	11.3/15	Circuit 1	27.1/31.2	33.9/39.1	35/40	31.6/35.8	39.5/44.7	40/45	45
		Circuit 2	27.1/31.2	33.9/39.1	35/40	27.1/31.2	33.9/39.1	35/40	40
EH17-MPAS-L(B)	13.2/17.5	Circuit 1	31.6/36.5	39.5/45.6	40/50	36.1/41	45.1/51.2	45/60	60
		Circuit 2	31.6/36.5	39.5/45.6	40/50	31.6/36.5	39.5/45.6	40/50	50

¹ Heater amps; no motor

² Heater and motor amps (connect air handler power supply to largest circuit breaker)

60Hz

Motor amps are placed on circuit 1 when required

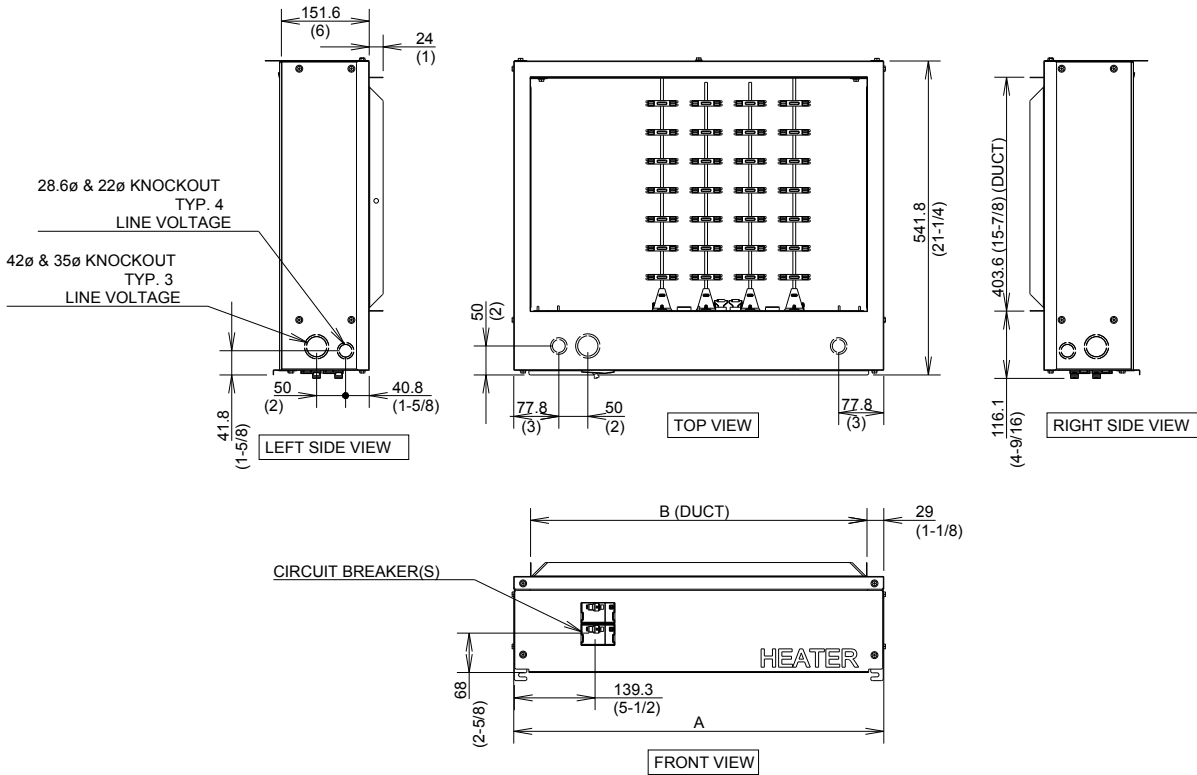
Unit tested at 0.60 in WG external static pressure

Minimum installation clearance to combustible material 0"

Maximum outlet air temperature 200° F

DIMENSIONS: ELECTRIC HEAT KIT

Units: mm (in.)



MODEL	A	B
EH03-MPA-S(B)		
EH05-MPA-S(B)		
EH08-MPA-S(B)	433	376
EH03-SVZ-S	(17)	(14-13/16)
EH05-SVZ-S		
EH08-SVZ-S		
EH03-MPA-M(B)		
EH05-MPA-M(B)	534 (21)	477
EH08-MPA-M(B)		(18-13/16)
EH10-MPA-M(B)		
EH10-MPA-L(B)		
EH15-MPAS-L(B)	635	579
EH17-MPAS-L(B)	(25)	(22-13/16)



NOTE

BEST DESIGN PRACTICE TO ASSURE ADEQUATE AIRFLOW REQUIREMENTS

During electric heater operation the fan is defaulted to high speed to help assure adequate airflow. To maintain adequate airflow required for electric heater operation, it is recommended that an additional 0.20 WG static pressure drop be added to system ductwork design when using the electric heat kit.

Examples:

When air handler is set for 0.50 WG static, the maximum external static pressure for ductwork should not exceed 0.30 WG.

When air handler is set for 0.80 WG static, the maximum external static pressure for ductwork should not exceed 0.60 WG, etc.