

OPTIONAL ELECTRIC HEAT KIT FOR MULTI-POSITION AIR HANDLER

USE WITH: PVFY-P12, 18, 24, 30, 36, 48, 54NAMU - MVZ-A12, 18, 24, 30, 36 - PVA-A12,18,24,30, 36, 42AA4/7

| | |
|-------------------|-------|
| 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 3.

MODEL PER OUTDOOR UNIT
(See note on best design practice on page 3)

ACCESSORIES

- SPTB1.....Separate Power Kit for PVA and MVZ 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)
- ETC-211000-MIT.....Auxiliary Heat Lockout for PVA and MVZ models
This option prevents the electric heat kit from operating above a set outside temperature.
- 1309007-044.....Replacement Temp Probe for ETC-211000-MIT

AVAILABLE COMBINATIONS
(Note: No other combination approved.)

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

ELECTRICAL SPECIFICATIONS: ELECTRIC HEAT KIT

ELECTRICAL SPECIFICATIONS

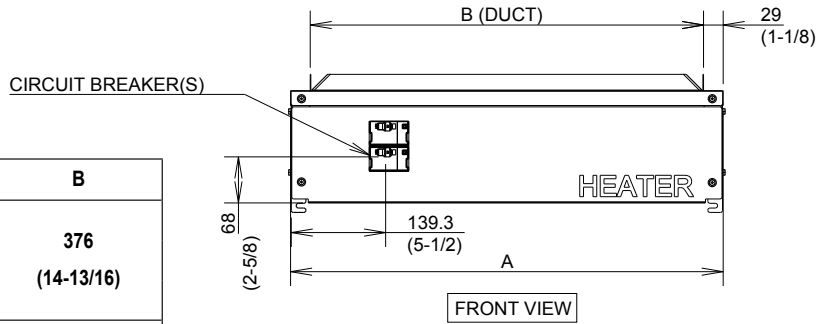
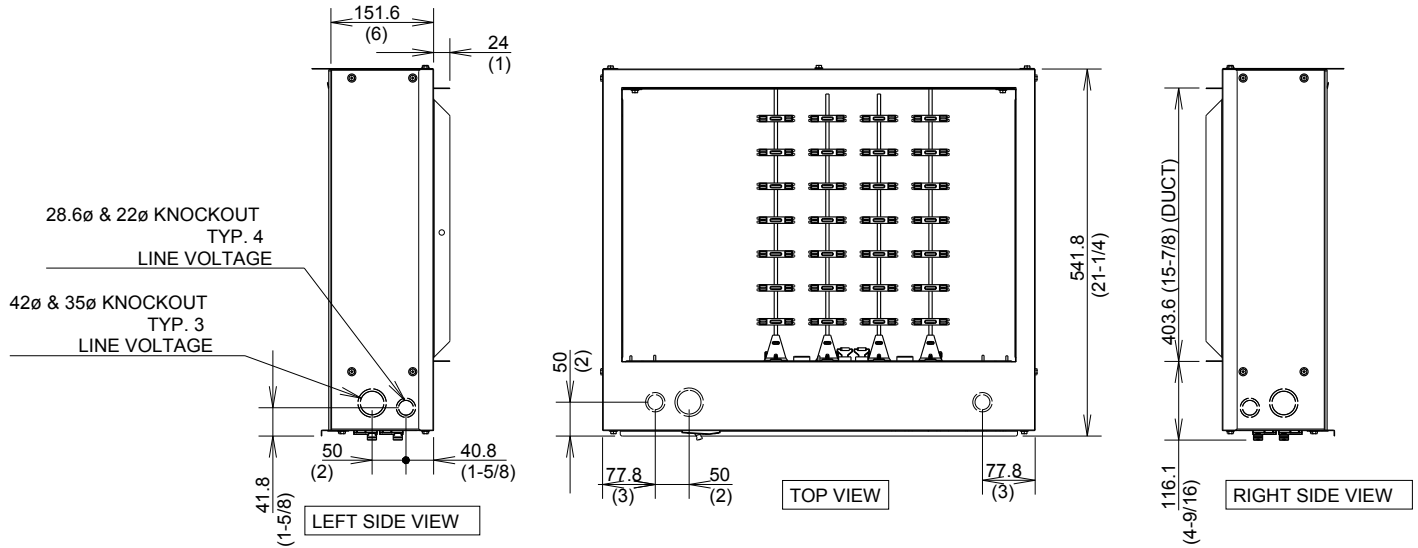
(See note on best design practice on page 3)

| ELECTRIC HEAT PART NUMBER | | HEATER AMPS ¹ | MCA1 ¹ | MOP1 ¹ | HTR & MTR AMPS ² | MCA2 ² | MOP2 ² | FACTORY INSTALLED CIRCUIT BREAKER |
|---------------------------|-----------|--------------------------|-------------------|-------------------|-----------------------------|-------------------|-------------------|-----------------------------------|
| | | 208V/240V | 208V/240V | 208V/240V | 208V/240V | 208V/240V | 208V/240V | |
| EH03-MPA-S | | 10.8/12.5 | 13.5/15.6 | 15/20 | 13.2/14.9 | 16.5/18.6 | 20/20 | 20 |
| EH05-MPA-S | | 18.1/20.8 | 22.6/26 | 25/30 | 20.5/23.2 | 25.6/29 | 30/30 | 30 |
| EH08-MPA-S | | 28.9/33.3 | 36.1/41.7 | 40/45 | 31.3/35.7 | 39.1/44.7 | 40/45 | 45 |
| EH03-MPA-M | | 10.8/12.5 | 13.5/15.6 | 15/20 | 14.1/15.8 | 17.7/19.8 | 20/20 | 20 |
| EH05-MPA-M | | 18.1/20.8 | 22.6/26 | 25/30 | 21.4/24.1 | 26.7/30.2 | 30/30 | 30 |
| EH08-MPA-M | | 28.9/33.3 | 36.1/41.7 | 40/45 | 32.2/36.6 | 40.2/45.8 | 45/50 | 50 |
| EH10-MPA-M | | 36.1/41.7 | 45.1/52.1 | 50/60 | 39.4/45 | 49.3/56.2 | 50/60 | 60 |
| EH10-MPA-L | | 36.1/41.7 | 45.1/52.1 | 50/60 | 40.6/46.2 | 50.8/57.7 | 60/60 | 60 |
| EH15-MPAS-L | 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 | 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)

DIMENSIONS: ELECTRIC HEAT KIT



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

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.

Manufactured for MITSUBISHI ELECTRIC US, INC.

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