

SUBMITTAL DATA: PVA-A24AA7 & PUY-A24NHA7
24,000 BTU/H AIR HANDLER AIR-CONDITIONING SYSTEM

| | |
|---------------------|---|
| Job Name: | Engineer: |
| Purchaser: | Application: Std. Cooling Ultra Low Ambient Cooling |
| Submitted To: | For: <input type="checkbox"/> Reference <input type="checkbox"/> Approval <input type="checkbox"/> Construction |
| Submitted By: | Location: |
| System Designation: | Schedule No.: |



Indoor Unit: PVA-A24AA7



Outdoor Unit: PUY-A24NHA7 (-BS)

UNIT OPTION:

Standard Model.....PUY-A24NHA7
Seacoast (BS) Model.....PUY-A24NHA7-BS

ACCESSORIES:

Indoor Unit

Controls

- Wireless Controller (MHK1)
- Advanced Wired Controller (PAR-32MAA / PAR-33MAA)
- Simple Wired Controller (PAC-YT53CRAU)
- Wireless Remote Controller (PAR-FL32MA) + Wireless Signal Receiver (PAR-FA32MA)
- Thermostat Interface (PAC-US444CN)
- M-NET Adapter (PAC-SF83MA-E)

Outdoor Unit

- Front Wind Guard (PFR-24-30)
- Rear Wind Guard (PRE-24-30)
- Side Wind Guard (PSD-24-30)

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

SPECIFICATIONS:

| Rated Conditions (Capacity / Input)* | | |
|--------------------------------------|-----------|----------------|
| Cooling | Blu/h / W | 24,000 / 1,960 |

* Rating Conditions per AHRI Standard:
Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) WB

| Capacity Range | | |
|----------------|-------|-----------------|
| Cooling | Blu/h | 10,000 - 24,000 |

| Operating Range | |
|-----------------|-------------------------------------|
| Cooling | -40F** (-40.0°C) to 115°F (46°C) DB |

** Windscreens required for cooling operation below 23°F (-5°C)

| AHRI Efficiency Rating | |
|------------------------|------|
| EER | 12.2 |
| SEER | 20.5 |

| | |
|-------------------------------|----------------------------|
| Electrical Power Requirements | 208 / 230V, 1-Phase, 60 Hz |
|-------------------------------|----------------------------|

| Minimum Circuit Ampacity (MCA) * | Breaker Size | MOCP (Outdoor) |
|----------------------------------|----------------|----------------|
| Indoor 4.13 AMP | Outdoor 19 AMP | 25 AMP |
| | | 26 AMP |

*** All electrical work shall comply with National (CEC) and local codes and regulations.**

| Indoor Unit | | |
|--------------------------|--------|------------------|
| Blower Motor (ECM) | F.L.A. | 3.3 |
| Blower Motor Output | W | 244 |
| SHF / Moisture Removal | | 0.83 / 3.0 pt./h |
| External Static Pressure | In. WG | 0.30-0.50-0.80 |

| Outdoor Unit | | |
|-----------------|--------|---------------------------|
| Compressor | | DC INVERTER-driven Scroll |
| Fan Motor (ECM) | F.L.A. | 0.4 |
| Fan Motor Power | W | 86 |

| Airflow Rate (Low-Mid-Hi) | | | |
|---------------------------|-----|-----|-------------|
| Indoor (Cooling) | DRY | CFM | 613-744-875 |
| | WET | | NA |
| Outdoor | DRY | | 1,940 |

| Sound Pressure Level | | |
|-----------------------|-------|----------|
| Indoor (Low-M1-M2-Hi) | dB(A) | 30-34-38 |
| Outdoor Cooling | | 47 |

| External Dimensions | | |
|---------------------|---------|---|
| Indoor (H x W x D) | In.(mm) | 54-1/4 x 21 x 21-5/8 (1378 x 534 x 548) |
| Outdoor (H x W x D) | | 37-1/8 x 37-13/32 x 13 + 1-3/16 (943 x 950 x 330 + 30) |

| Net Weight | | |
|------------|----------|----------|
| Indoor | Lbs.(kg) | 141 (64) |
| Outdoor | | 151 (68) |

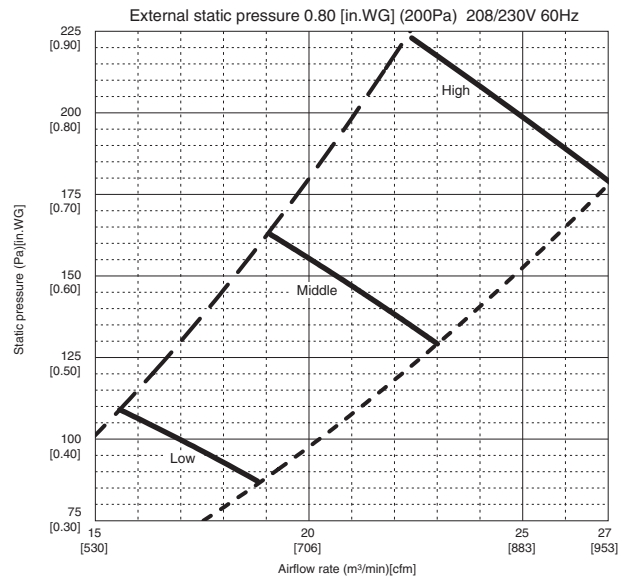
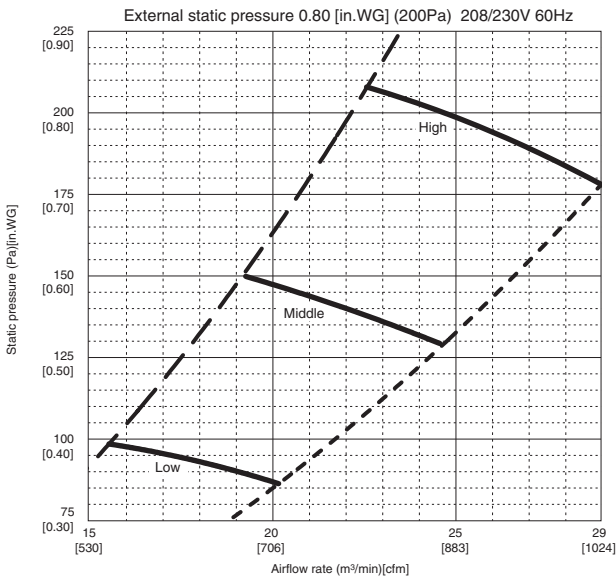
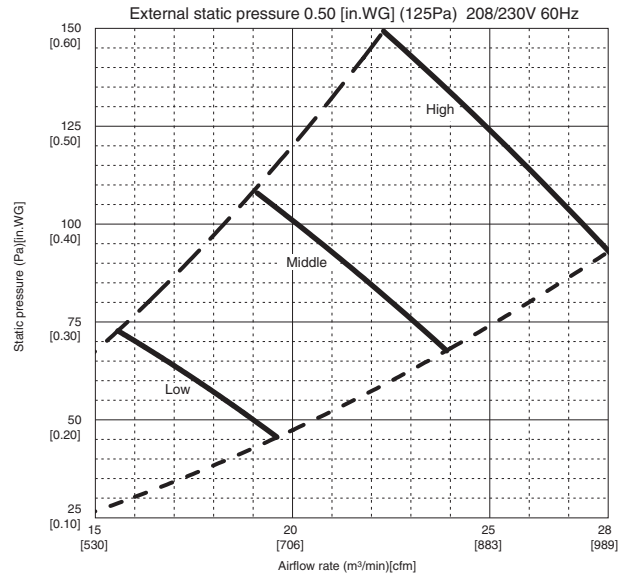
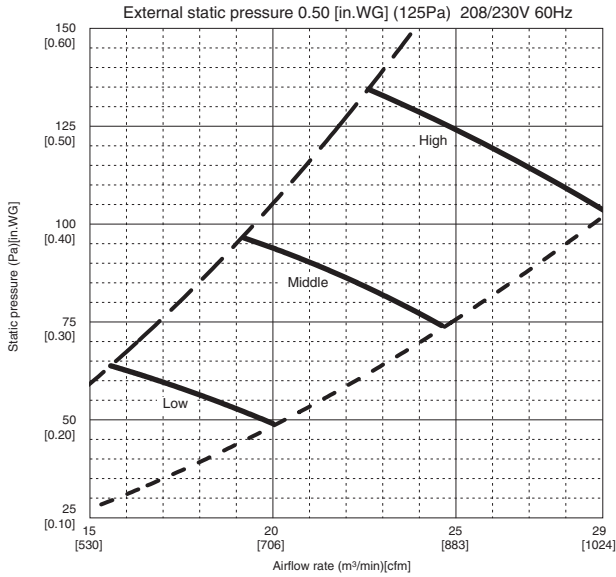
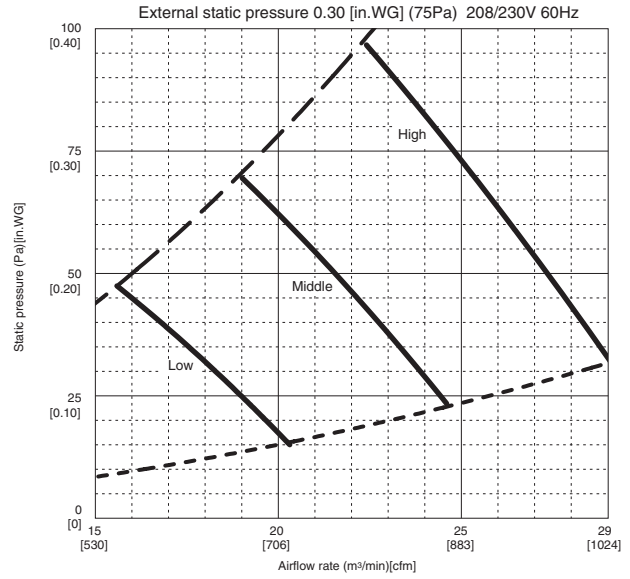
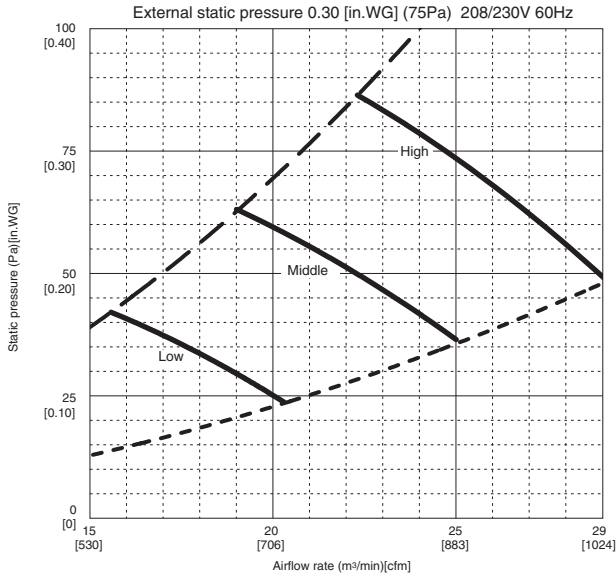
| External Finish | |
|-----------------|---|
| Indoor | Galvanized steel cabinet-Powder coated Slate Grey |
| Outdoor | Munsell No. 3Y 7.8 / 1.1 |

| | |
|-------------|------------------------------|
| Refrigerant | R410A ; 7lbs., 11oz. (3.5kg) |
|-------------|------------------------------|

| Refrigerant Piping (Flared) | | |
|---------------------------------------|---------|-------------|
| Liquid (High Pressure) | In.(mm) | 3/8 (9.52) |
| Gas (Low Pressure) | | 5/8 (15.88) |
| Maximum Total Refrigerant Pipe Length | Fl. (m) | 225 (69) |
| Maximum Vertical Separation | Fl. (m) | 100 (30) |

FAN PERFORMANCE AND CORRECTED AIR FLOW - PVA-A24AA7

- Vertical, Horizontal Right, Horizontal Left
- Downflow

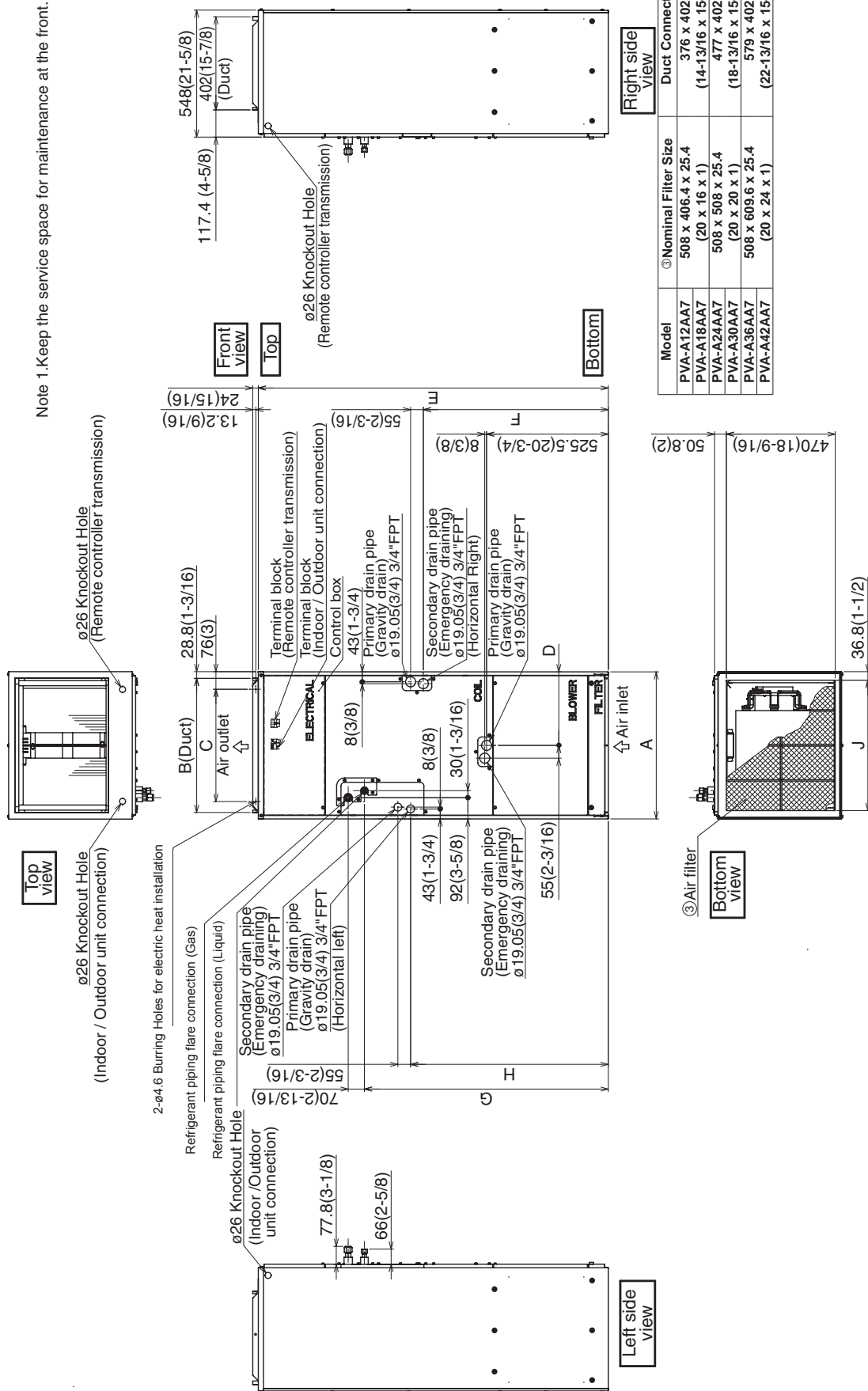


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DIMENSIONS: PVA-A24AA7

Unit: mm (in.)



| Model | ③ Nominal Filter Size | Duct Connection |
|------------|-------------------------------------|----------------------------------|
| PVA-A12AA7 | 508 x 406.4 x 25.4 (20 x 16 x 1) | 376 x 402 (14-13/16 x 15-7/8) |
| PVA-A18AA7 | 508 x 508 x 25.4 (20 x 20 x 1) | 477 x 402 (18-13/16 x 15-7/8) |
| PVA-A24AA7 | 508 x 609.6 x 25.4 (20 x 24 x 1) | 579 x 402 (22-13/16 x 15-7/8) |

| Model | Unit: mm (in.) | | | | | | | | | | |
|------------|----------------|----------------|----------------|----------------|---------------|-----------------|-----------------|----------------|---------------|---------------|---------------|
| | A | B | C | D | E | F | G | H | J | ① Gas Pipe | ② Liquid Pipe |
| PVA-A12AA7 | 432 (17) | 376 (14-13/16) | 281 (11-1/8) | 224 (8-7/8) | 1275 (50-1/4) | 680 (26-13/16) | 823 (32-7/16) | 735.5 (29) | 360 (14-3/16) | Φ 12.7 (1/2) | Φ 6.35 (1/4) |
| PVA-A18AA7 | 534 (21) | 477 (18-13/16) | 382.6 (15-1/8) | 266.5 (10-1/2) | 1378 (54-1/4) | 737 (29-11/16) | 953.5 (37-9/16) | 792 (31-3/16) | 461 (18-3/16) | Φ 15.88 (5/8) | Φ 9.52 (3/8) |
| PVA-A24AA7 | 635 (25) | 579 (22-13/16) | 484.6 (19-1/8) | 317.5 (12-1/2) | 1511 (59-1/2) | 798.5 (31-7/16) | 1053 (41-1/2) | 853.5 (33-5/8) | 563 (22-3/16) | | |

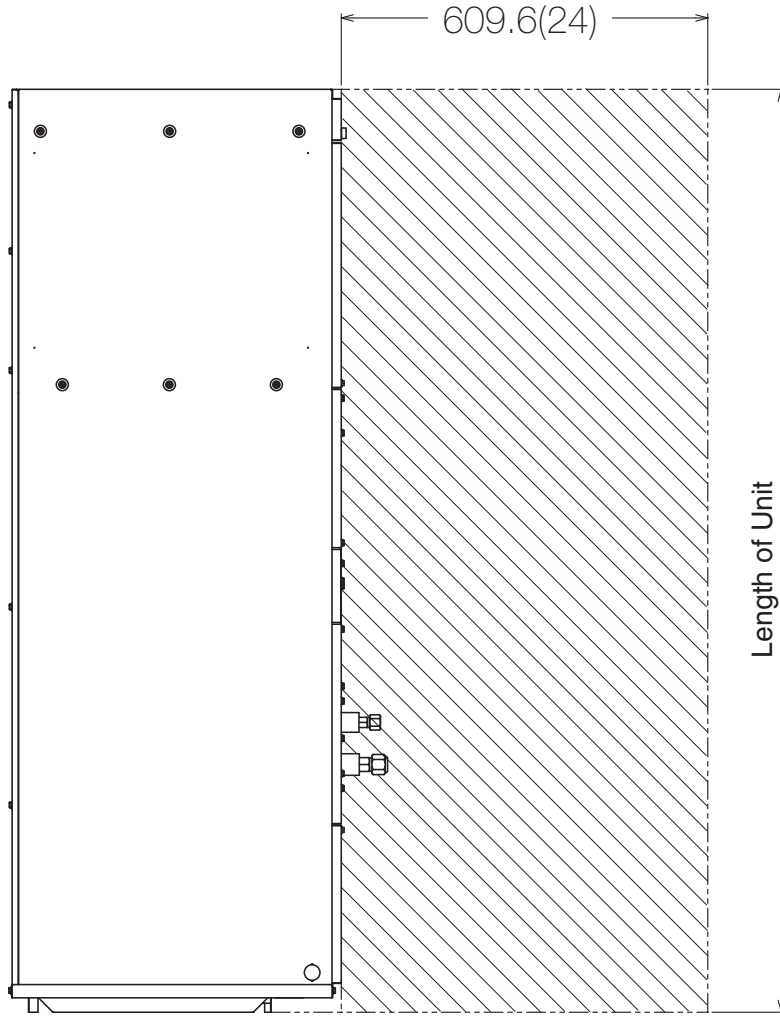
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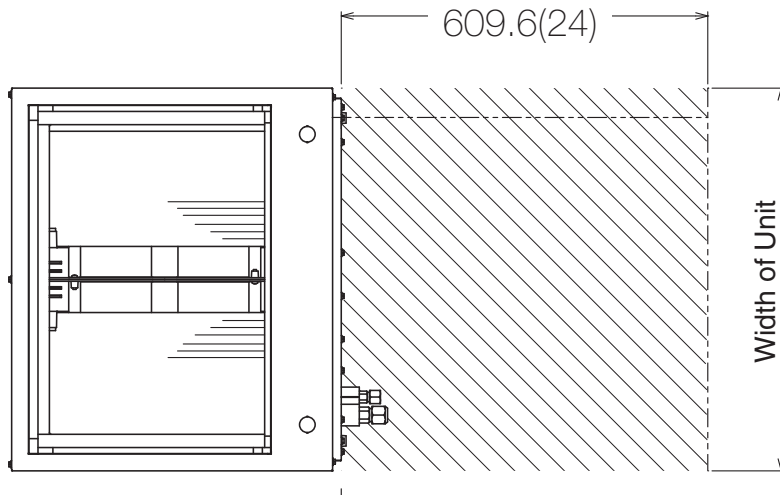
DIMENSIONS: PVA-A24AA7

Unit: mm (in.)

Clearance Area



Horizontal Installation



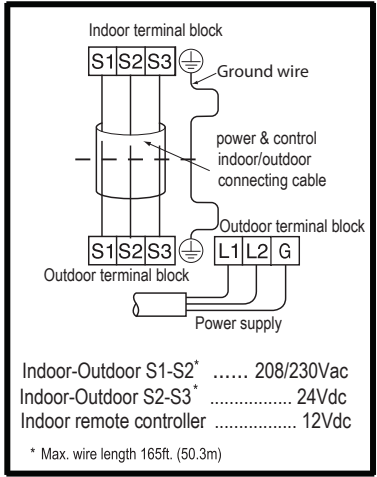
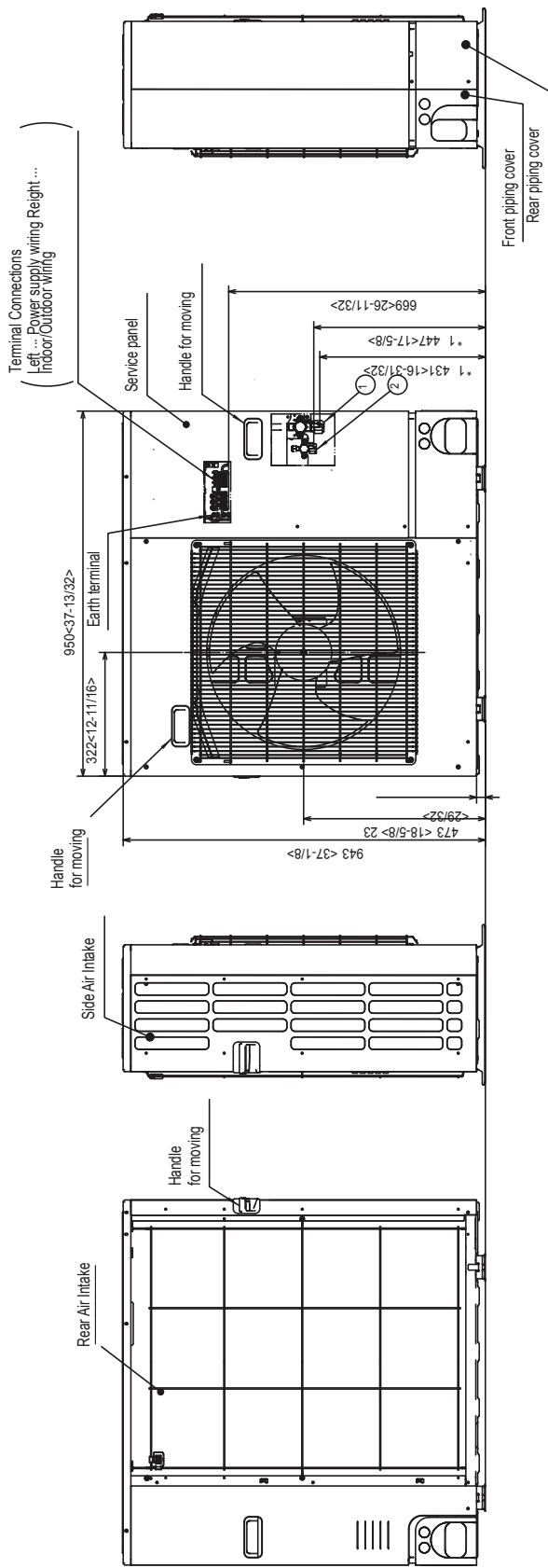
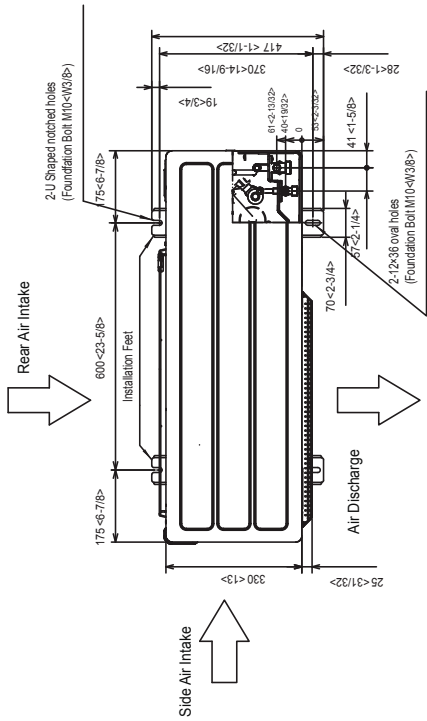
Vertical Installation

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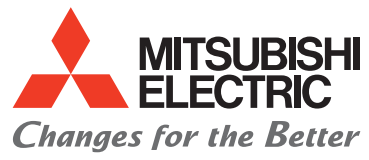
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DIMENSIONS: PUY-A24NHA7

Unit: mm (in.)



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