# P-SERIES

# PLA-A18BA6 & PUZ-A18NHA6 (-BS)

## 18,000 BTU/H CEILING CASSETTE HEAT-PUMP SYSTEM

MITSUBISHI ELECTRIC

| Job Name: | |
|---|---|
| System Reference: | Date: |

Indoor Unit: PLA-A18BA6

Outdoor Unit: PUZ-A18NHA6 (-BS)

## UNIT OPTION:

- ☐ Standard Model.....PUZ-A18NHA6
- ☐ Seacoast (BS) Model.....PUZ-A18NHA6-BS

## ACCESSORIES:

### Indoor Unit

- ☐ Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- ☐ Condensate Pump (Sauermann SI30-115/230; 115/230V)
- ☐ iSee Corner Panel (PAC-SA1ME-E)
- ☐ Multifunction Casement / MERV 10 Filter (PAC-SH53TM-E / PAC-SH59KF)
- ☐ Air Outlet Plates (PAC-SH51SP-E)

### Outdoor Unit

- ☐ Wind Baffle (WB-PA1)*

*Allows operation to 0° F (-18° C).

- ☐ Air Outlet Guide (PAC-SG58SG-E)
- ☐ Mounting Base (QSMS1201)
- ☐ Wall Bracket (QSWB2000M-1)

### Controls

- ☐ Wireless Controller (MHK1)
- ☐ Advanced Wired Controller (PAR-31MAA)
- ☐ Simple Wired Controller (PAC-YT53CRAU)
- ☐ M-NET Adapter (PAC-SF83MA-E)
- ☐ Temperature Sensor (PAC-SE41TS)

## SPECIFICATIONS:

| Rated Conditions (Capacity / Input)* | | |
|---|---|---|
| Cooling | Btu/h / W | 18,000 / 1,940 |
| Heating at 47° F | Btu/h / W | 19,000 / 1,900 |
| Heating at 17° F | Btu/h / W | 13,000 / 1,590 |

* Rating Conditions per AHRI Standard:
Cooling | Indoor: 80° F (27° C)DB / 67° F (19° C)WB; Outdoor: 95° F (35° C)DB / 75° F (24° C)WB
Heating at 47°F | Indoor: 70° F (21° C)DB / 60° F (16° C)WB; Outdoor: 47° F (8° C)DB / 43° F (6° C)WB
Heating at 17° F | Indoor: 70° F (21° C)DB / 60° F (16° C)WB; Outdoor: 17° F (-8° C)DB / 15° F (-9° C)WB

| Capacity Range | | |
|---|---|---|
| Cooling | Btu/h | 8,000 - 18,000 |
| Heating at 47° F | Btu/h | 8,000 - 20,000 |

| Operating Range | |
|---|---|
| Cooling | 0° F** to 115° F (-18° C to 46° C) DB |
| Heating | 12° F to 70° F (-11° C to 21° C) DB |

** The minimum temperature will be 23° F (-5° C) DB if optional wind baffle accessory is not installed.

| AHRI Efficiency Ratings | |
|---|---|
| EER | 9.3 |
| SEER | 14.2 |
| HSPF | 9.8 |
| COP at 47° F | 2.93 |
| COP at 17° F | 2.40 |

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

| Minimum Circuit Ampacity (MCA) | | |
|---|---|---|
| Indoor / Outdoor | A | 1 / 13 |

| Indoor Unit | | |
|---|---|---|
| Fan Motor (ECM) | F.L.A. | 0.51 |
| Fan Motor Output | W | 50 |
| SHF / Moisture Removal | | 0.81 / 3 pt./h |
| Drain Lift Mechanism (Included) | H: In. | 33-7/16 |

| Outdoor Unit | | |
|---|---|---|
| Compressor | | DC INVERTER-driven Twin Rotary |
| Fan Motor (ECM) | F.L.A. | 0.35 |
| MOCP | A | 20 |

| Airflow Rate (Low-M1-M2-Hi) | | | |
|---|---|---|---|
| Indoor (Cooling) | DRY | CFM | 420-490-570-640 |
| | WET | | 390-460-530-600 |
| Outdoor | DRY | | 1,200 |

| Sound Pressure Level | | | |
|---|---|---|---|
| Indoor (Low-M1-M2-Hi) | | dB(A) | 28-29-31-32 |
| Outdoor | Cooling | | 48 |
| | Heating | | 47 |

| External Dimensions | | |
|---|---|---|
| Indoor (H x W x D) | In.(mm) | 10-3/16 x 33-1/16 x 33-1/16 (258 x 840 x 840) |
| Outdoor (H x W x D) | | 23-5/8 x 31-1/2 x 11-13/16 + 7/8 (600 x 800 x 300 + 23) |

| Net Weight | | |
|---|---|---|
| Indoor (Unit / Grille) | Lbs.(kg) | 49 / 13 (22 / 6) |
| Outdoor | | 91 (41) |

| External Finish | |
|---|---|
| Indoor | Munsel No. 6.4Y 8.9/0.4 |
| Outdoor | Munsell No. 3Y 7.8 / 1.1 |

| Refrigerant | R410A ; 3lbs., 12oz. |
|---|---|

| Refrigerant Piping (Flared) | | |
|---|---|---|
| Liquid (High Pressure) | In.(mm) | 1/4 (6.35) |
| Gas (Low Pressure) | | 1/2 (12.7) |
| Maximim Total Refrigerant Pipe Length | Ft. (m) | 100 (30) |
| Maximum Vertical Separation | Ft. (m) | 100 (30) |

Specifications are subject to change without notice.

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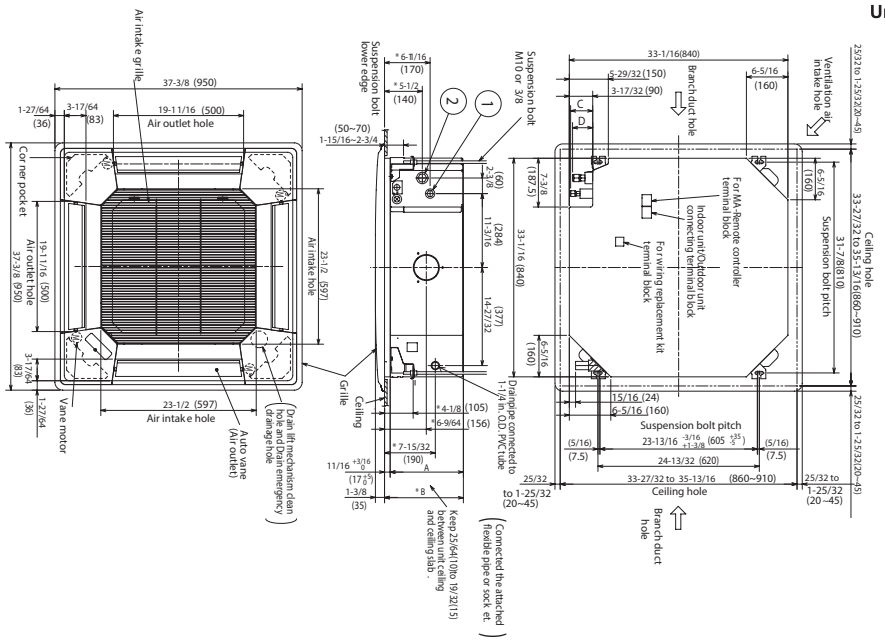
# DIMENSIONS: PLA-A18BA6 & PUZ-A18NHA6 (-BS)

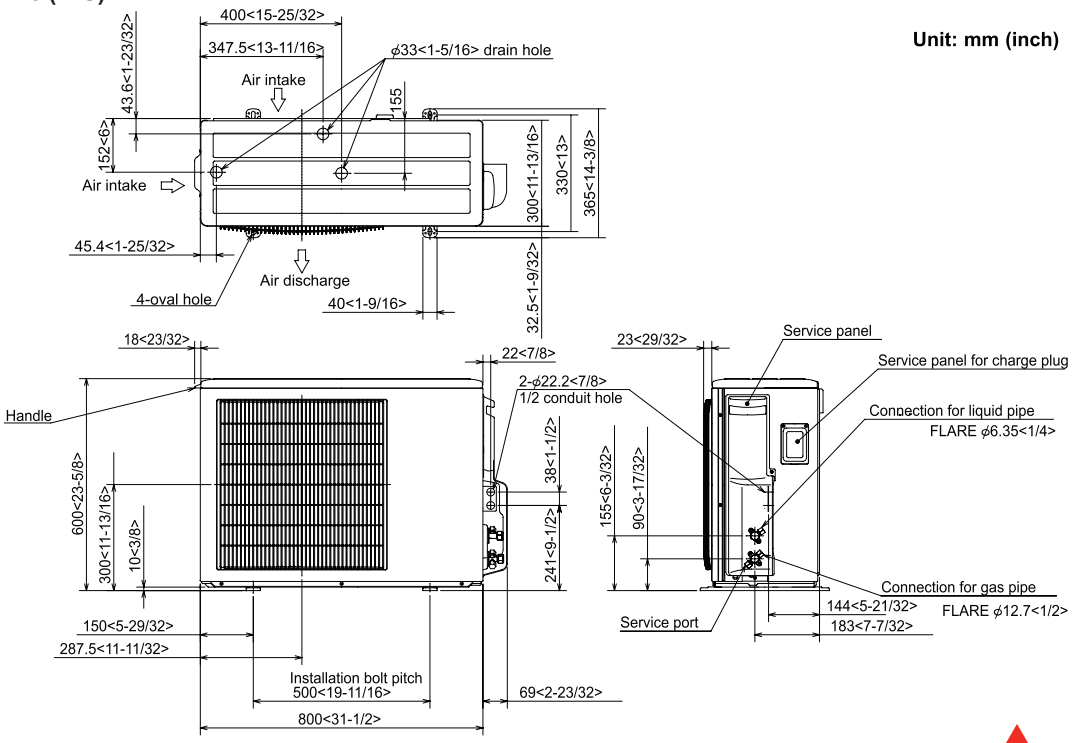
## PLA-A18BA6

Unit : inch(mm)




## PUZ-A18NHA6 (-BS)

Unit: mm (inch)




NOTES:
SEACOAST PROTECTION

- External Outer Panel: Phosphate coating + Acrylic-Enamel coating
- Fan Motor Support: Epoxy resin coating (at edge face)
- Separator Assembly ; Valve Bed: Epoxy resin coating (at edge face)
- Screws (used outer side): Zinc nickel coating 5μm + Polyvinylidene chloride coating

**"Blue Fin" treatment is an anti-corrosion treatment that is applied to the condenser coil to protect it against airborne contaminants..**

MITSUBISHI ELECTRIC

COOLING & HEATING

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AHRI CERTIFIED™ www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

Intertek

FORM# PLA-A18BA6 - PUZ-A18NHA6 (-BS) - 201511
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