# SUBMITTAL DATA SHEET

(H,Y)IC4012B21 Non-Ducted 4-Way Cassette Indoor Unit

| | | | |
|---|---|---|---|
| S **Job Name:** | | **Location:** | |
| **Purchaser:** | | **Order No.:** | |
| **Engineer:** | | | |
| **Submitted To:** | **For:** **Ref:** | **Approval:** | **Construction:** |
| **Submitted By:** | | **Date:** | |
| **Unit Designation:** | | **Schedule No.:** | **Model No.:** |

## FEATURES:

- Optional motion and radiant heat sensors for shut-off and activation in response to room occupancy.
- Multiple fan speed settings
- Optional fresh air kit available
- Four air volume settings with Ultra Hi for higher ceilings
- 4-way airflow standard but can be configured for 2-way or 3-way
- Integrated condensate pumps included in all units
- Uniform panel sizing
- Optional lift mechanism allows panel to be lowered for convenient service access

## ACCESSORIES:

- Panel for 4 way cassette, standard, P-AP160NA2
- Panel for 4 way cassette, with motion and radiant sensors, P-AP160NAE1
- Duct Adapter, PD-75A
- Fresh Air Inlet Kit, OACI-160K3
- Filter Box, B-160H3
- T-Tube Connecting Kit, TKCI-160K
- Air Outlet Shutter Plate, PI-160LS2

NOTES:

1. Nominal capacity is based on combinations within the VRF system and the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 80F DB (26.7 °C DB)
   67F WB (19.4 °C WB)
   Outdoor Air Inlet Temperature: 95F DB (35.0 °C DB)

   Heating Operation Conditions
   Indoor Air Inlet Temperature: 70F DB (21.1 °C DB)
   47F WB (8.3 °C WB)
   Outdoor Air Inlet Temperature: 43F DB (6.1 °C DB)
   Piping Length: 24.6 ft (7.5 m)
   Piping Lift: 0 ft (0 m)

2. Sound Pressure level is based on conditions:
   4.9 ft (1.5m) beneath the unit.

| Indoor Unit Type | | 4-Way Cassette |
|---|---|---|
| Model | | (H,Y)IC4012B21S |
| Indoor Unit Power Supply | -- | AC 1Phase, 208/230V, 60Hz |
| Nominal Cooling Capacity*1 | Btu/h (kW) | 12,000 (3.5) |
| Nominal Heating Capacity*1 | Btu/h (kW) | 13,500 (4.0) |
| Sound Pressure Level*2 (Overall A Scale) | dB | 35-31-30-27 |
| Outer Dimensions | | |
| Height | in.(mm) | 9-3/4 (248) |
| Width | in.(mm) | 33-1/16 (840) |
| Depth | in.(mm) | 33-1/16 (840) |
| Net Weight | lbs(kg) | 46 (21) |
| Refrigerant | -- | R410A |
| Indoor Fan | -- | Multi-Blade Centrifugal Fan |
| Number/Unit | -- | 1 |
| Outer Diameter | ϕ in (mm) | 19-9/32 (490) |
| Nominal Air Flow (Hi2-Hi-Me-Lo) | cfm ($m^3$/min) | 741-600-494-388 (21-17-14-11) |
| Indoor Fan Motor | -- | Drip-Proof Type Enclosure |
| Starting Method | -- | DC Motor |
| Nominal Output | W | 57 |
| Electrical Data | | |
| Min Circuit Amps | A | 0.4 |
| Maximum Fuse Size | A | 15 |
| Connections | -- | Flare-nut Connection (with Flare Nuts) |
| Refrigerant Piping | | |
| Liquid Line | in.(mm) | 1/4 (6.35) |
| Gas Line | in.(mm) | 1/2 (12.70) |
| Condensate Drain | -- | VP25 |
| OD | in.(mm) | 1-1/4 (32) |
| ID | in.(mm) | 31/32 (25) |

| Adaptable Panel Model | | P-AP160NA2 (without Motion and Radiation Sensors) | P-AP160NAE1 (with Motion and Radiation Sensors) |
|---|---|---|---|
| Color | -- | Neutral White | |
| Outer Dimensions | | | |
| Height | in.(mm) | 1-9/16 (40) | 1-9/16 (40) |
| Width | in.(mm) | 37-13/32 (950) | 37-13/32 (950) |
| Depth | in.(mm) | 37-13/32 (950) | 37-13/32 (950) |
| Net Weight | lbs(kg) | 14 (6.5) | 14 (6.5) |

VERSION 201905

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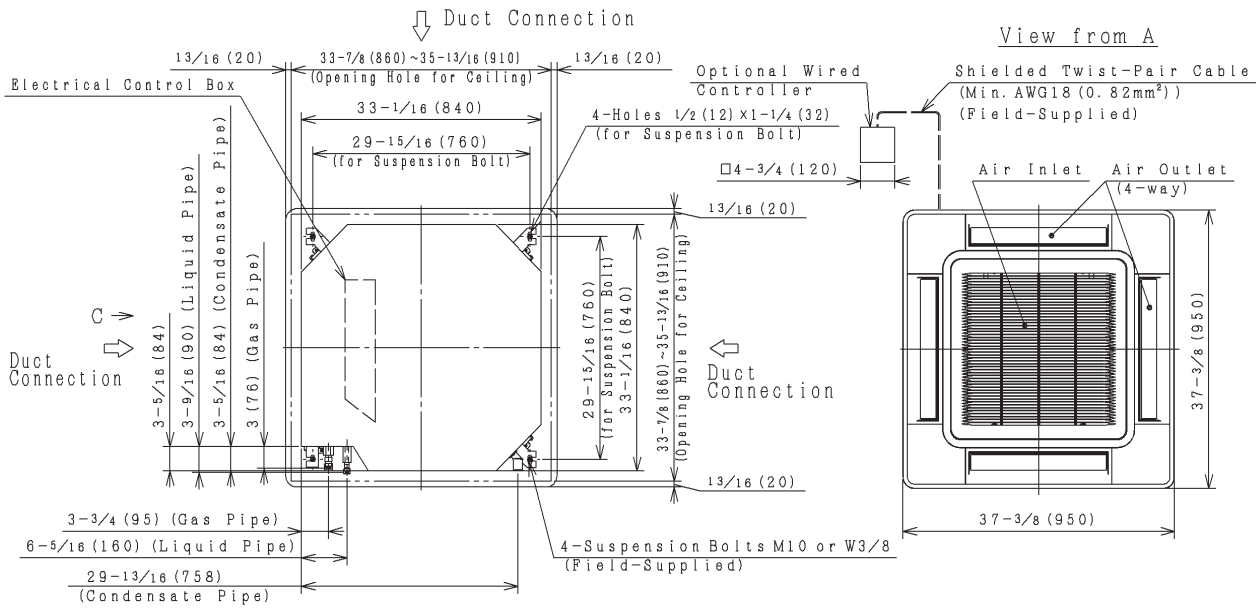
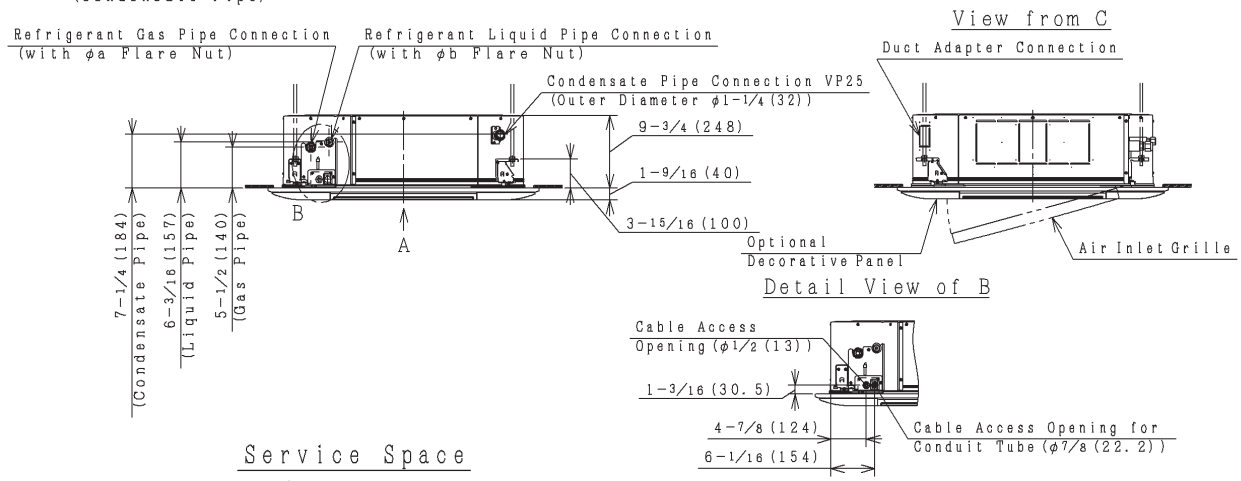
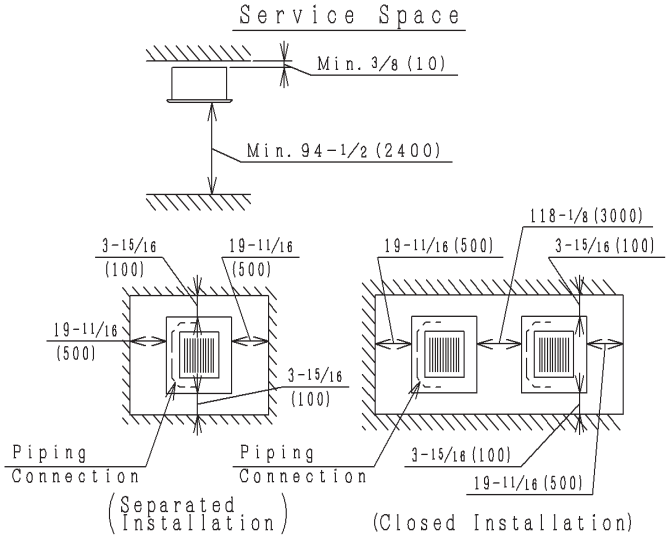
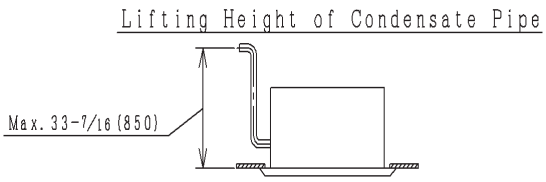
# System Dimensions

Model: (H,Y)IC4012B21S with Decorative Panel P-AP160NA2 Unit: inch (mm)




| Model \ Dimension | a | b |
|---|---|---|
| (H,Y)IC4008B21S | 1/2 (12.7) | 1/4 (6.35) |
| (H,Y)IC4012B21S | 1/2 (12.7) | 1/4 (6.35) |
| (H,Y)IC4015B21S | 1/2 (12.7) | 1/4 (6.35) |
| (H,Y)IC4018B21S | 5/8 (15.88) | 3/8 (9.52) |

NOTE:
Distance between the wall and decorative panel edge must be a min. 59-1/16 inch (1500mm) to prevent short circuiting.

AHRI CERTIFIED® www.ahridirectory.org Variable Refrigerant Flow (VRF) Multi-Split AC and HP AHRI Standard 1230

Intertek

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Specifications subject to change