

SUBMITTAL DATA SHEET

2.5 RT (H,Y)IDH030B21S Ducted High Static Indoor Unit

Job Name:

Location:

Purchaser:

Order No.:

Engineer:

Submitted To:

For:

Ref:

Approval:

Construction:

Submitted By:

Date:

Unit Designation:

Schedule No.:

Model No.:

FEATURES:

- High-efficiency fan motor
- Multiple fan speed settings
- Up to .74 WG static pressure
- Bottom access for easy service and troubleshooting
- Built-in condensate pump

ACCESSORIES:

- Relay and 3 Pin Connector Kit PSC-5RA
- 3 Pin Connector Cable PCC-1A R1
- Air Filter KW-PP8Q for Model (H,Y) IDH018B21S
- Air Filter KW-PP3Q for Model (H,Y) IDH024-030B21S
- Air Filter KW-PP4Q for Model (H,Y) IDH036-048B21S
- IR Receiver Kit CWDIRK01

| | | | | | |
|---|---------------|-------|-----------------------|-------------------|---------|
| Ton | | | | 2.5RT | |
| Model Name | | | | (H,Y)IDH030B21S | |
| Power Supply | | | | 208/230V 1PH 60Hz | |
| Nominal Capacity ¹ | Cooling | Btu/h | (kW) | 30000 | (8.8) |
| | Heating | Btu/h | (kW) | 34000 | (10.0) |
| Dimension | Height | in | (mm) | 13-25/32 | (350) |
| | Width | in | (mm) | 35-7/16 | (900) |
| | Depth | in | (mm) | 31-1/2 | (800) |
| Net Weight | | lb | (kg) | 106 | (48) |
| Refrigerant | | - | | R410A | |
| Refrigerant Piping | Gas Line | in | (ϕ mm) | 5/8 | (15.88) |
| | Liquid Line | in | (ϕ mm) | 3/8 | (9.52) |
| Min Circuit Amps | | A | | 2.1 | |
| Maximum Fuse Size | | A | | 5 | |
| Fan Motor Drive | | - | | AC \times 1 | |
| Air Flow Rate (208V) | Hi | cfm | (m ³ /min) | 883 | (25) |
| | Lo | cfm | (m ³ /min) | 618 | (17.5) |
| Sound Pressure Level ² (208V, Standard Pressure) | Hi | dB(A) | | 39 | |
| | Lo | dB(A) | | 30 | |
| Sound Pressure Level ² (230V, Standard Pressure) | Hi | dB(A) | | 42 | |
| | Lo | dB(A) | | 34 | |
| Static Pressure (208V) | High Pressure | in WG | (Pa) | 0.60 | (150) |
| | Standard | in WG | (Pa) | 0.20 | (50) |
| Static Pressure (230V) | High Pressure | in WG | (Pa) | 0.74 | (185) |
| | Standard | in WG | (Pa) | 0.40 | (100) |

NOTES:

1. Nominal capacity is based on combinations within the VRF system and the following:

Cooling Operation Conditions

Indoor Air Inlet Temperature: 80°F DB (26.7°C DB)
67°F WB (19.4°C WB)
Outdoor Air Inlet Temperature: 95°F DB (35.0°C DB)

Heating Operation Conditions

Indoor Air Inlet Temperature: 70°F DB (21.1°C DB)
47°F DB (8.3°C DB)
43°F WB (6.1°C WB)

Piping Length: 24 ft. 7-3/16 in. (7.5m)

Piping Lift: 0 ft. (0m)

2. The sound pressure level is based on the following.

4.9 ft. (1.5m) beneath the unit.

The data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

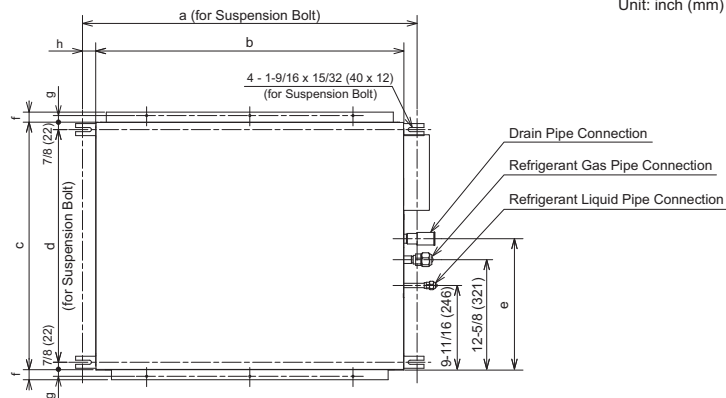
version 201706

System Dimensions

Ducted High Static Indoor Unit

Model: (H,Y)IDH030B21S

Unit: inch (mm)

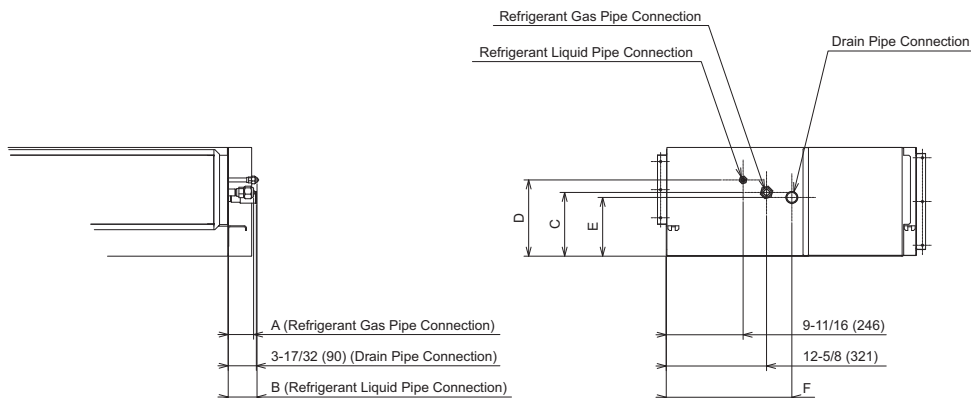


| Model | Dimension | a | b | c | d | e | f | g | h |
|------------------------------------|-----------|---------------------|--------------------|-------------------|-----------------|-------------------|----------------|---------------|----------------|
| (H,Y)IDH018B21S | | 37-13/32 (950) | 35-7/16 (900) | 28-11/32 (720) | 26-5/8 (676) | 16-1/16 (408) | 31/32 (25) | 19/32 (15) | 31/32 (25) |
| (H,Y)IDH024B21S (H,Y)IDH030B21S | | 38-19/32 (980) | 35-7/16 (900) | 31-1/2 (800) | 29-3/4 (756) | 15-13/16 (402) | 1-3/16 (30) | 25/32 (20) | 1-9/16 (40) |
| (H,Y)IDH036B21S (H,Y)IDH048B21S | | 54-11/32 (1,380) | 51-3/16 (1,300) | 31-1/2 (800) | 29-3/4 (756) | 15-13/16 (402) | 1-3/16 (30) | 25/32 (20) | 1-9/16 (40) |

Suspension Bolts

Piping Connection Dimensions

Unit: inch (mm)

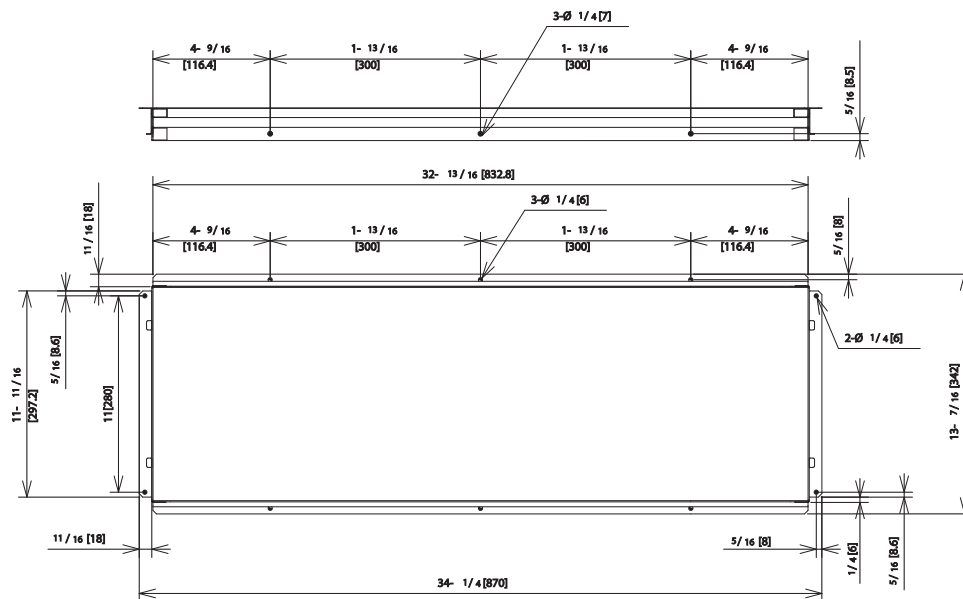


| Model | A | B | C | D | E | F |
|--|----------------|-----------------|-----------------|------------------|------------------|-------------------|
| (H,Y)IDH018B21S | 3-1/32 (77) | 3-5/8 (92) | 7-5/32 (182) | 8-3/4 (222) | 7-5/32 (182) | 16-1/16 (408) |
| (H,Y)IDH024B21S (H,Y)IDH030B21S (H,Y)IDH036B21S (H,Y)IDH048B21S | 3-5/32 (80) | 3-17/32 (90) | 8-1/32 (204) | 9-19/32 (244) | 7-13/32 (188) | 15-13/16 (402) |

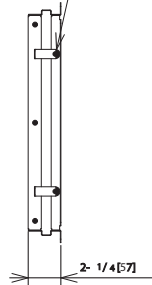


version 201706

Air Filter Dimensions



Holder of Air Filter
(4 Places)



version 201706