

Job:  
 Location:  
 Schedule No.:  
 System Designation:

Engineer:  
 Architect:  
 Location:  
 Date:

For:      Reference      Approval      Review      Construction

## Medium-Static Concealed Ducted Indoor Unit

### FEATURES

- Built-in condensate pump
- Smart pressure control system
- Convenient installation
- Refrigerant R-410A
- Five capacity sizes from 24,000 to 48,000 Btu/h

### WARRANTY

- 10-year limited warranty.\*See warranty for details.

### SPECIFICATIONS

#### PERFORMANCE

Cooling Capacity <sup>1</sup> (Btu/h)	18,000
Heating Capacity <sup>1</sup> (Btu/h)	20,000
Airflow (CFM)      Low/Medium/High	459/565/671
External Static Pressure (in. w.g.)	0.00~0.79
Sound (dBA)      Low/Medium/High	26/29/33

#### ELECTRICAL DATA

Power Supply (Volts/Hertz/Phase)	208-230/60/1
Minimum Circuit Ampacity (MCA) (A)	2.14
Maximum Overcurrent Protection (MOP) (A)	15
Cooling Power Input <sup>2</sup> (W)	50
Cooling Rated Current (A)	0.5
Heating Power Input <sup>2</sup> (W)	50
Heating Rated Current (A)	0.5
Fan Motor Output x n (W)	153 x 1

#### DIMENSIONS

Unit Dimensions (in)	Width	47-1/4
	Height	9-13/16
	Depth	27-9/16
Liquid Pipe Connection (in) (I.D.)		3/8
Gas Pipe Connection (in) (I.D.)		5/8
Net Weight (lb)		77.2
Shipping Weight (lb)		87.1

### OPTIONAL ACCESSORIES

VSTAT02P-1 Touch Screen Wired Controller	37P79
VSTAT04P-1 Individual Wired Controller	37Y74
VSTAT01P-1 Wireless Remote Controller	37Y73
V1FBX02-4P, VHI024-030 & VMD018 Filter Box	38B56



### NOTES

- Specification may be subject to change without prior notice.
- Mode : HP(Heat Pump), HR(Heat Recovery)
- Capacities are based on (Equivalent refrigerant piping 25ft, Level differences 0ft);  
 - Cooling : Indoor temperature 80°F DB, 67°F WB / Outdoor temperature 95°F DB, 75°F WB - Heating : Indoor temperature 70°F DB, 60°F WB / Outdoor temperature 47°F DB, 43°F WB
- Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound values are obtained in an anechoic room.
- Select wire size based on the value of MCA.



Technical drawings of the 1100 Series Air Handler, showing dimensions in inches (in) and millimeters (mm).

**Top View:**

- Overall Width: 1250 (49-3/16)
- Overall Height: 740 (29-1/8)
- Internal Height (Coil Area): 664 (23-3/4)
- Air Inlet: 1200 (47-1/4)
- Air Outlet: 1302 (51-1/4)
- Service Space (Top): 500 (19-11/16) or More
- Service Space (Bottom): 700 (27-9/16) or More

**Side View:**

- Overall Depth: 230 (9-5/8)
- Internal Depth (Coil Area): 230 (9-5/8)
- Air Inlet: 1168 (46)
- Air Outlet: 11 X 100 = 1100 (11 X 3-15/16 = 43-5/16)

**Detail View (Right Side):**

- Overall Depth: 230 (9-5/8)
- Internal Depth (Coil Area): 230 (9-5/8)
- Air Inlet: 1168 (46)
- Air Outlet: 11 X 100 = 1100 (11 X 3-15/16 = 43-5/16)
- Service Space (Top): 500 (19-11/16) or More
- Service Space (Bottom): 700 (27-9/16) or More

**Detail View (Left Side):**

- Overall Depth: 230 (9-5/8)
- Internal Depth (Coil Area): 230 (9-5/8)
- Air Inlet: 1168 (46)
- Air Outlet: 11 X 100 = 1100 (11 X 3-15/16 = 43-5/16)

No.	Name	Description	
		VMDC018S4-4P	VHIC024/027/030S4-4P
①	Refrigerant liquid pipe	Ø6.35 [1/4"] Flare connection	Ø9.52 [3/8"] Flare connection
②	Refrigerant gas pipe	Ø12.7 [1/2"] Flare connection	Ø15.88 [5/8"] Flare connection
③	Condensate drain	Nominal Size 3/4" (OD Ø1.05" (26.67 mm))	Nominal Size 3/4" (OD Ø1.05" (26.67 mm))
④	Power & Comm. wiring conduits	-	-
⑤	Supply air flange	-	-
⑥	Return air flange	-	-
⑦	Hook	-	-

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