

Job Name:	
Submitted By:	



Submittal Sheet For:	YN050GLSI24M5G / (5x) RT0xxGLSILCFHG
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Date _____

Ref. _____

Quint (5) Circuit Ducted Inverter Heat Pump Set

System Full Set Model: **YN050GLSI24M5G**

AHRI Reference Number: **217048772**

Cooling Mode Performance

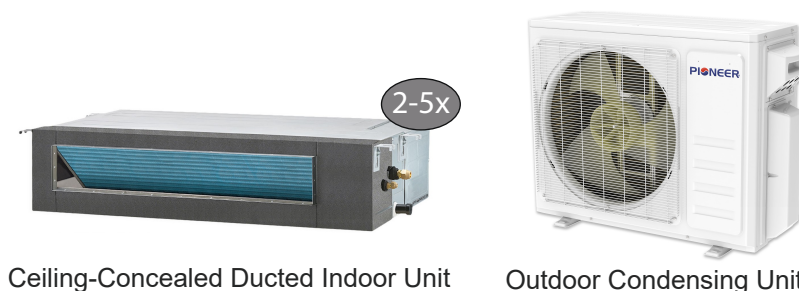
Rated Cooling	41,000 BTU/hr
Ambient Range	5°F ~ 131°F
SEER Rating	20.0 BTU/W·h
EER Rating	11.7 BTU/W·h

* 100% Capacity @ Indoor DB 80°F/WB 67°F

Heating Mode Performance

Rated Heating	42,000 BTU/hr
Ambient Range	-13°F ~ 86°F
HSPF2 IV (V)	8.5 (7.3) BTU/W·h
COP (47°F)	3.2 (W/W)

*High Heat (47°F) = 42,000 BTU / Low Heat (17°F) = 29,400 BTU / COP (5°F) = 1.9

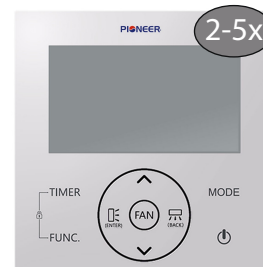


Ceiling-Concealed Ducted Indoor Unit

Outdoor Condensing Unit



Installation Kit (Pipe + Cable)



Handheld Remote Controller

Electrical Information

Rated Input (W)	Cooling	Heating
	3,650	3,370
Rated Current (A)	16.4	15.1
Breaker Needed	45A (Double-Pole)	
Power Supply	208~230V, 1Ph, 60Hz	

Piping and Refrigerant

Liquid Line (OD)	1/4" (5)
Suction Line (OD)	3/8" (5)
Refrigerant Precharge	R454b (Selectable Lineset)
Vertical Run/Elevation Diff.	50 ft. / 33 ft.

This combination is
Energy-Star certified.

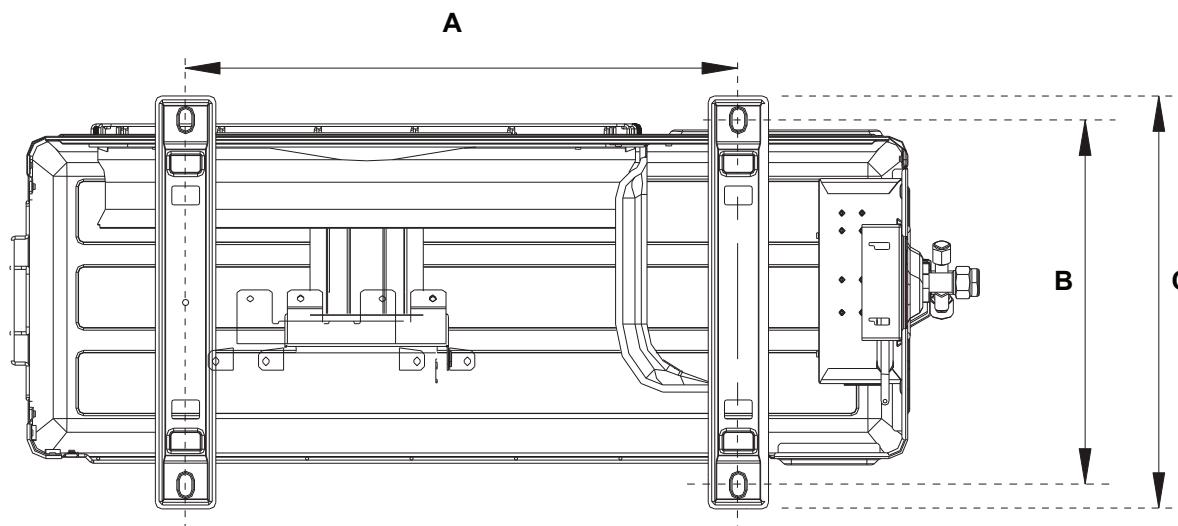


Exterior Unit (Condenser) Specifications

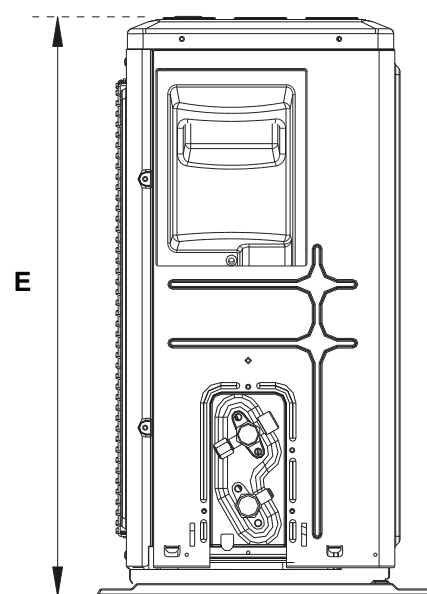
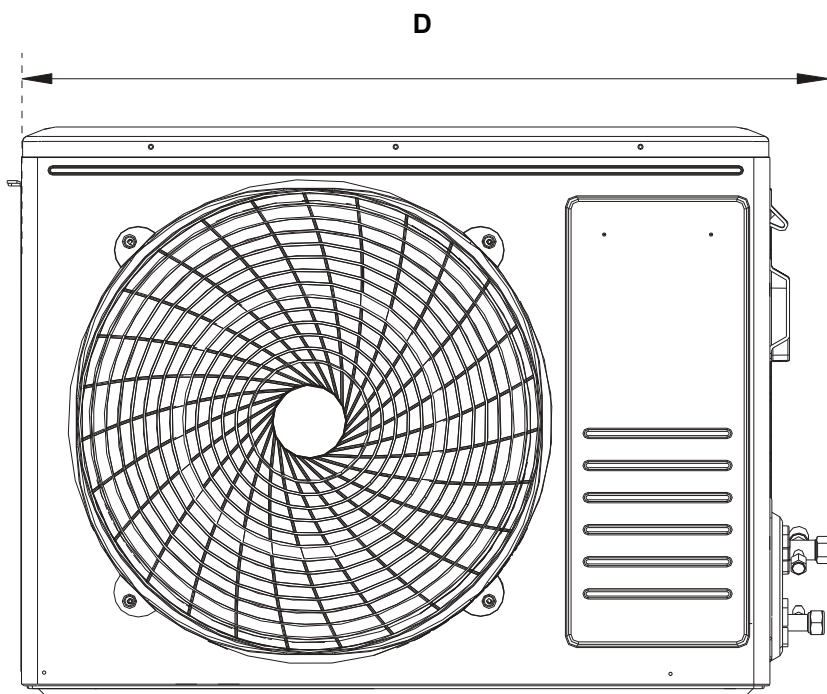
Sound Level (dBA)	65
Recommended Room Size	1,000~1,600 Sq. ft.
Minimum Room Size	135 Sq. ft.
Compressor	Twin-Rotary
Dimensions (WDH)	42"1-4 x 18"-3/8 x 33"-1/2
Weight (lbs)	174.2

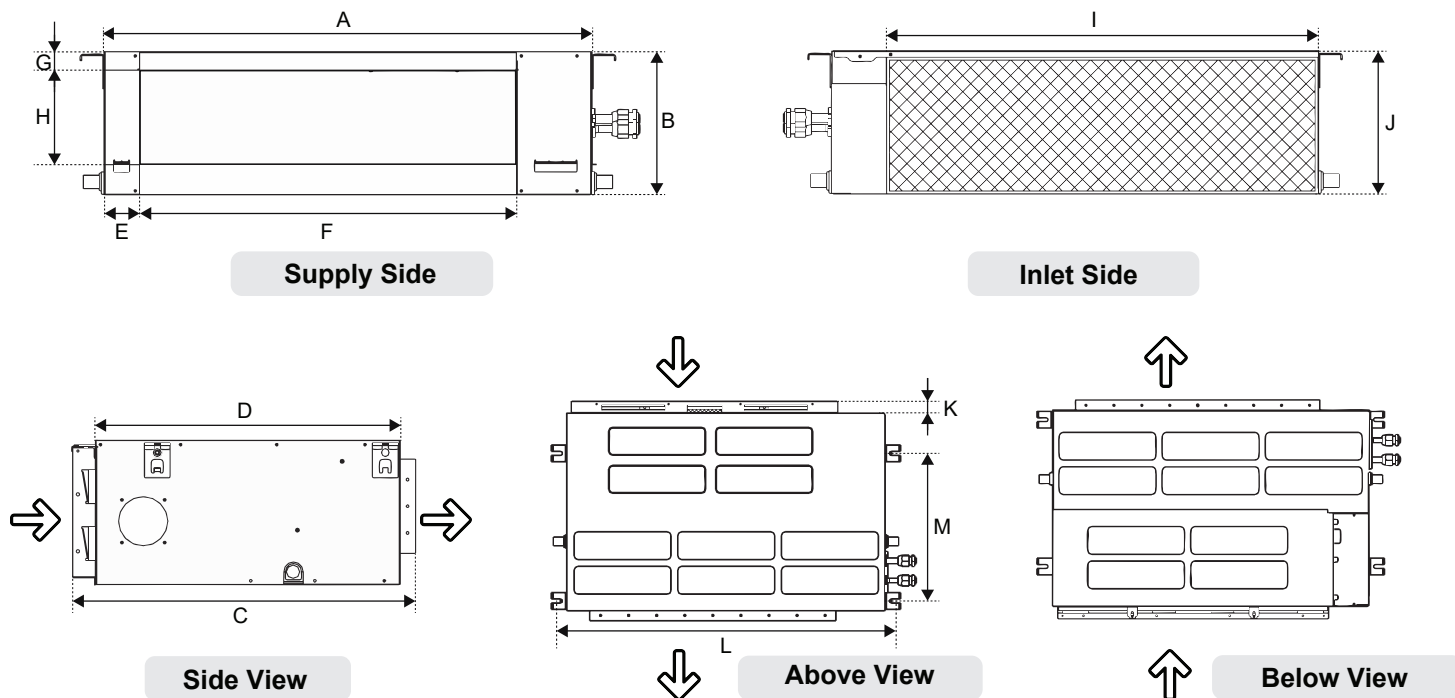
Compatible Indoor Air Handler Units

RT009GLSILCFHG (9K)	RT012GLSILCFHG (12K)
RT018GLSILCFHG (18K)	RT012GLSILCFHG (24K)
Quantity	5 (Up to 60,000 BTU)
Max Circuit Length	80 ft. (9K) / 100 ft. (12K/18K/24K)
Max Vertical Run	33 ft. (9K/12K/18K/24K)
Adjustment Charge	0.11 oz x (L1+L2+L3+L4+L5-125 ft.)

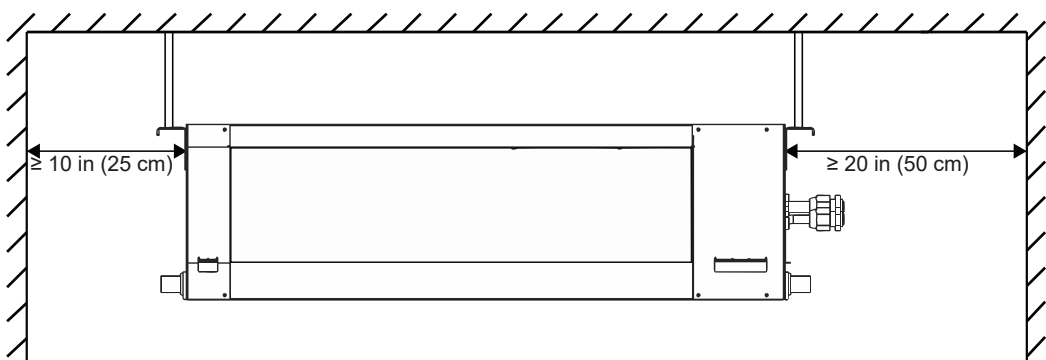
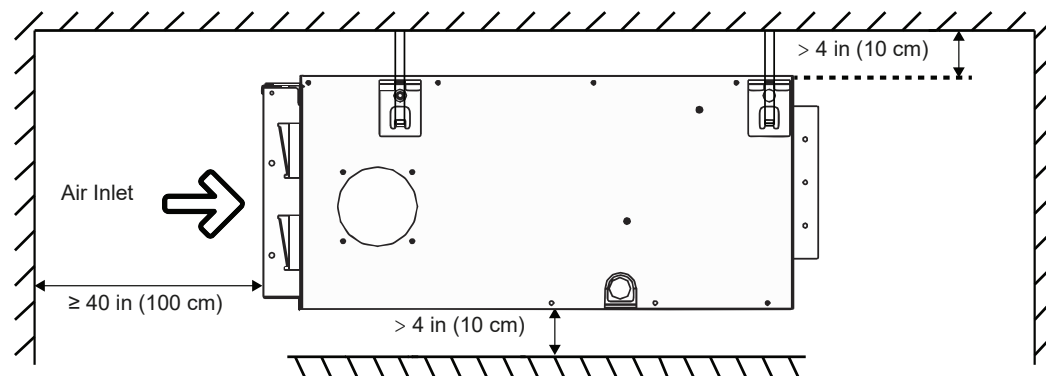


Model	A	B	C	D	E
YN050GLSI24M5G (42,000 BTU / 5-Zone)	26"	18-1/4"	18-3/8"	42-1/4"	33-5/8"
	660 mm	462 mm	468 mm	1074 mm	853 mm

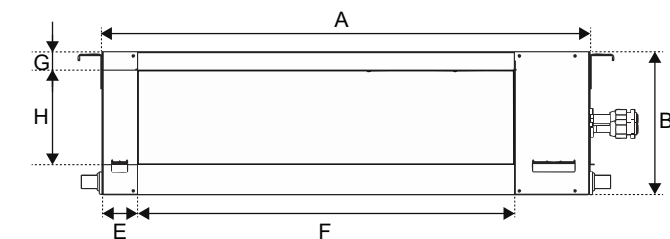




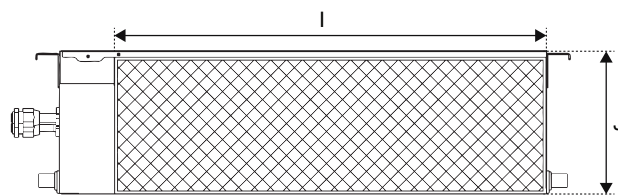
Overall Air Handler Dimensions				Front Side Air Outlet (Supply)				Rear Side Air Inlet (Return)			Mounting Brackets	
A	B	C	D	E	F	G	H	I	J	K	L	M
27-5/8 in	7-7/8 in	19-3/8 in	17-3/4 in	1-3/4 in	20-1/8 in	1/8 in	5-1/2 in	23-5/8 in	7-3/8 in	1-3/8 in	29-1/8 in	11-3/4 in
701.7 mm	200 mm	492.1 mm	450.9 mm	44.5 mm	511.2 mm	3.2 mm	139.7 mm	600.1 mm	187.3 mm	34.9 mm	739.8 mm	298.5 mm



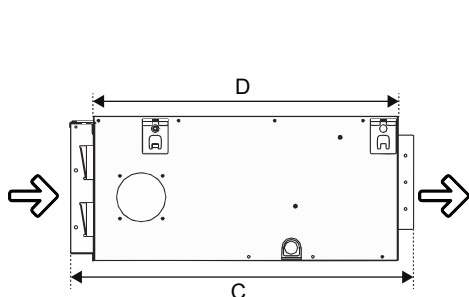
RT012GLSILCFHG Air Handler Dimensional Data



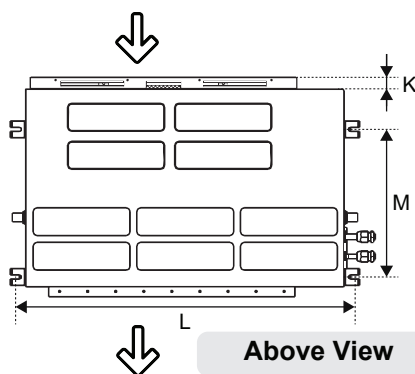
Supply Side



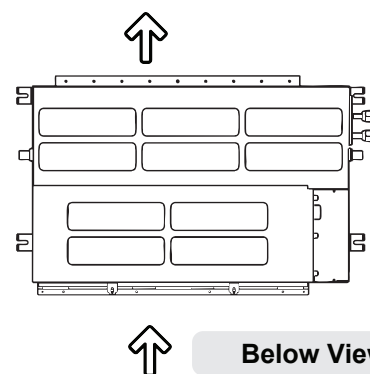
Inlet Side



Side View

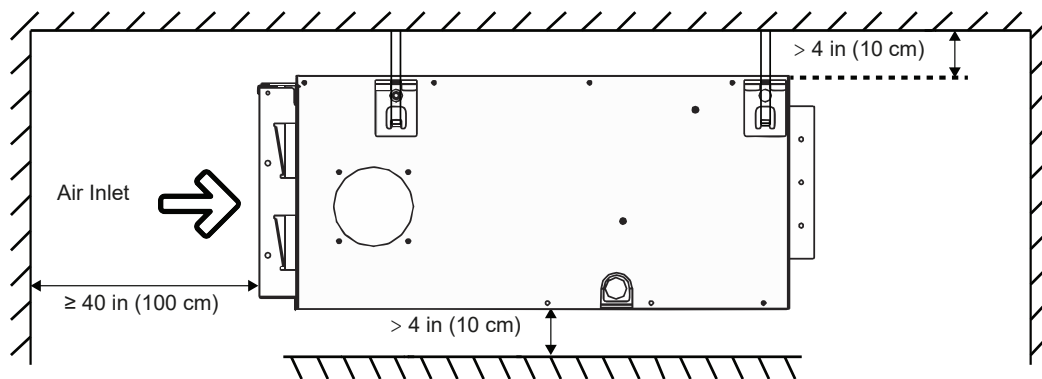


Above View

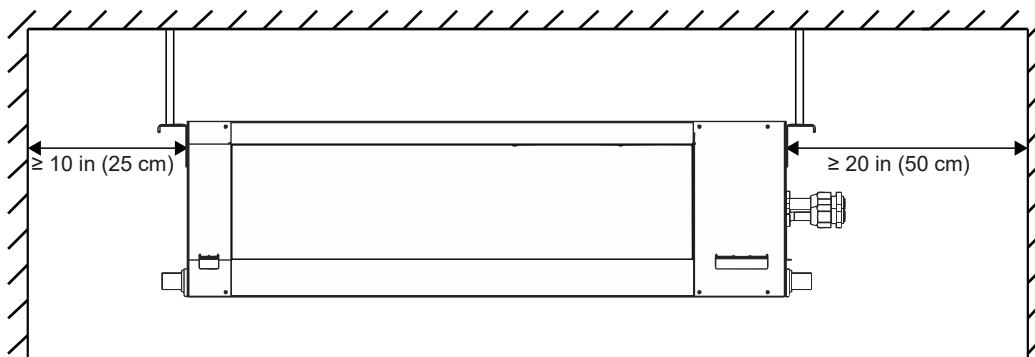


Below View

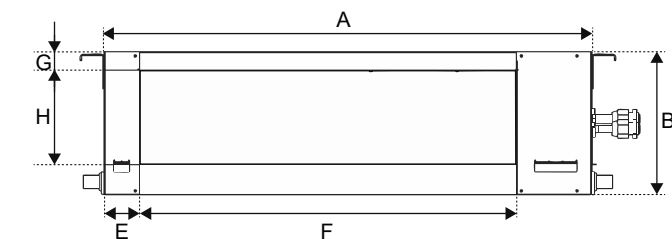
Overall Air Handler Dimensions				Front Side Air Outlet (Supply)				Rear Side Air Inlet (Return)			Mounting Brackets	
A	B	C	D	E	F	G	H	I	J	K	L	M
27-5/8 in	7-7/8 in	19-3/8 in	17-3/4 in	1-3/4 in	20-1/8 in	1/8 in	5-1/2 in	23-5/8 in	7-3/8 in	1-3/8 in	29-1/8 in	11-3/4 in
701.7 mm	200 mm	492.1 mm	450.9 mm	44.5 mm	511.2 mm	3.2 mm	139.7 mm	600.1 mm	187.3 mm	34.9 mm	739.8 mm	298.5 mm



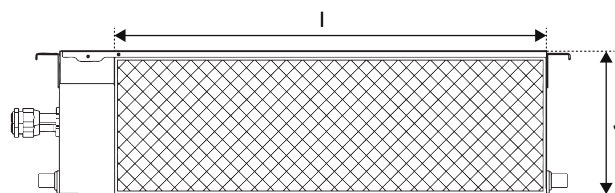
Side View



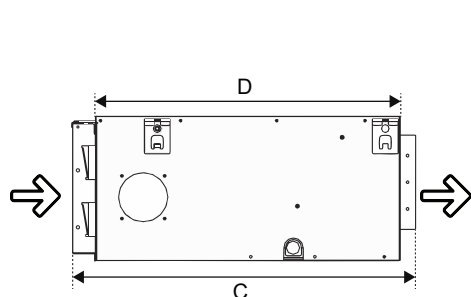
Front View



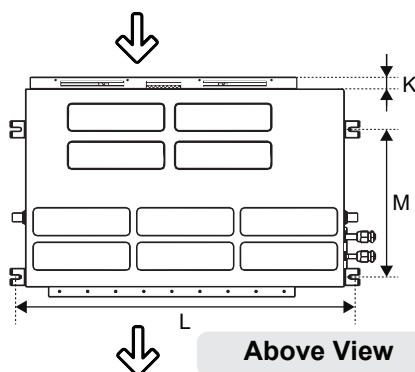
Supply Side



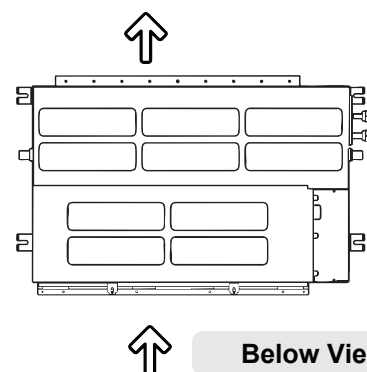
Inlet Side



Side View

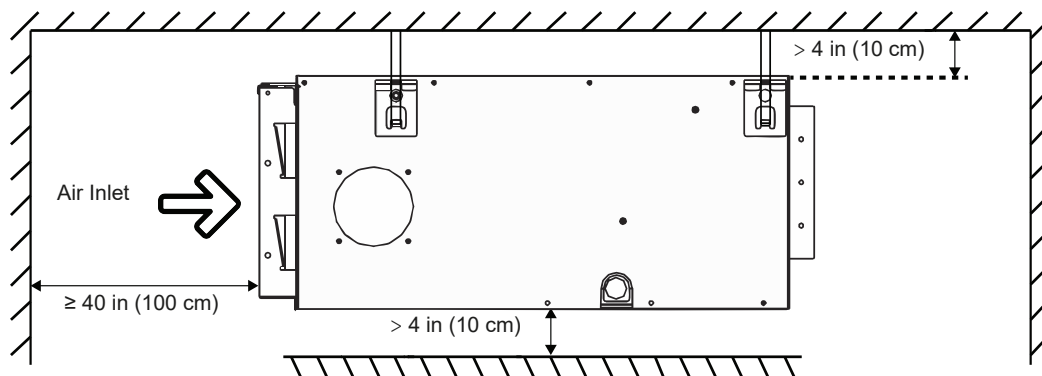


Above View

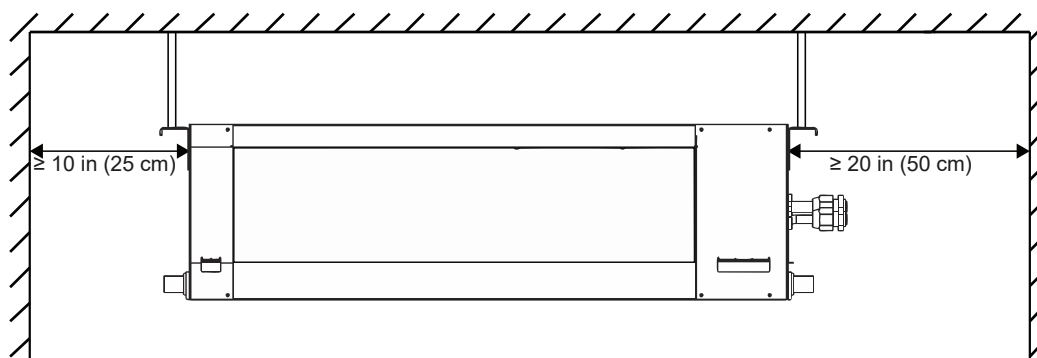


Below View

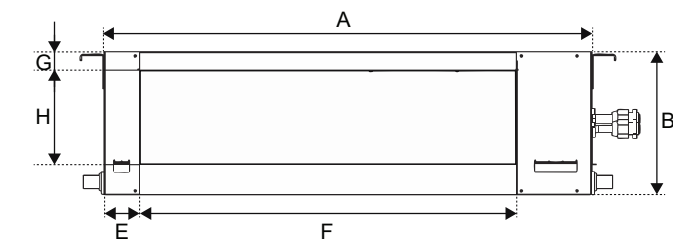
Overall Air Handler Dimensions				Front Side Air Outlet (Supply)				Rear Side Air Inlet (Return)			Mounting Brackets	
A	B	C	D	E	F	G	H	I	J	K	L	M
36-1/4 in	7-7/8 in	19-3/8 in	17-3/4 in	1-3/4 in	28-3/4 in	1/8 in	5-1/2 in	32-1/4 in	7-3/8 in	1-3/8 in	37-3/4 in	11-3/4 in
920.8 mm	200 mm	492.1 mm	450.9 mm	44.5 mm	730.3 mm	3.2 mm	139.7 mm	819.2 mm	187.3 mm	34.9 mm	958.9 mm	298.5 mm



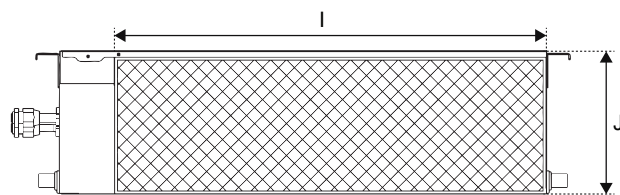
Side View



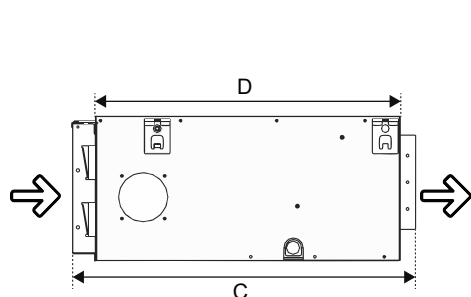
Front View



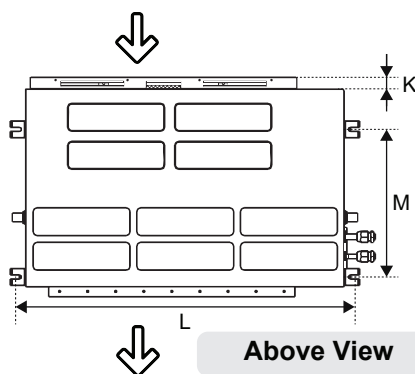
Supply Side



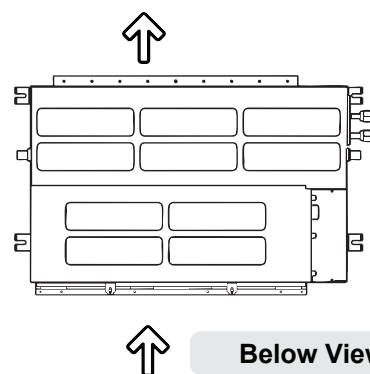
Inlet Side



Side View

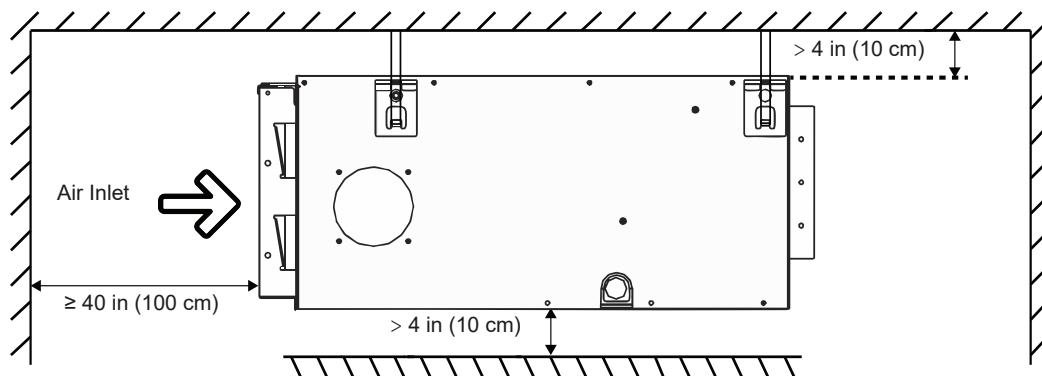


Above View

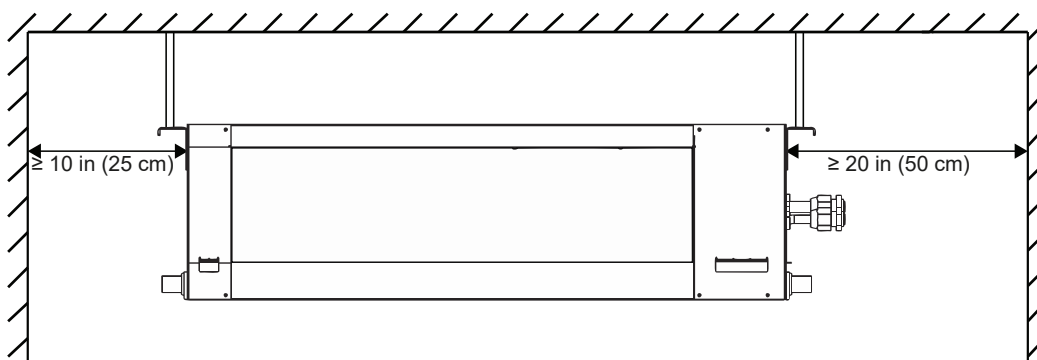


Below View

Overall Air Handler Dimensions				Front Side Air Outlet (Supply)				Rear Side Air Inlet (Return)			Mounting Brackets	
A	B	C	D	E	F	G	H	I	J	K	L	M
43-3/4 in	7-7/8 in	19-3/8 in	17-3/4 in	1-1/8 in	36-5/8 in	1/8 in	5-1/2 in	40-5/8 in	7-1/4 in	1-3/8 in	37-7/8 in	14-3/8 in
1,110.1 mm	200 mm	492.1 mm	450.9 mm	28.6 mm	930.3 mm	3.2 mm	139.7 mm	1,030.3 mm	182.6 mm	34.9 mm	960.4 mm	365.1 mm



Side View



Front View

RT009GLSILCFHG (Air Handler) Specifications

Airflow Rate (cfm)	335(Turbo)/305(Hi)/276(Med)/182(Lo)/182(Mute)
Sound Level (dBA)	42 (Turbo) / 39 (Hi) / 34 (Med) / 28 (Lo) / 28 (Mute)
Auto Air Circulation	2-Way Louver (Up-Down + Left-Right)
Dimensions (WDH)	27"-1/2 x 19"-1/4 x 7"-1/8
Weight (lbs)	33.1

RT012GLSILCFHG (Air Handler) Specifications

Airflow Rate (cfm)	360(Turbo)/330(Hi)/270(Med)/210(Lo)/180(Mute)
Sound Level (dBA)	44 (Turbo) / 41 (Hi) / 35 (Med) / 33 (Lo) / 32 (Mute)
Auto Air Circulation	2-Way Louver (Up-Down + Left-Right)
Dimensions (WDH)	27"-1/2 x 19"-1/4 x 7"-1/8
Weight (lbs)	33.1

RT018GLSILCFHG (Air Handler) Specifications

Airflow Rate (cfm)	500(Turbo)/426(Hi)/370(Med)/300(Lo)/283(Mute)
Sound Level (dBA)	48 (Turbo) / 44 (Hi) / 41 (Med) / 36 (Lo) / 33 (Mute)
Auto Air Circulation	2-Way Louver (Up-Down + Left-Right)
Dimensions (WDH)	35"-1/2 x 19"-1/4 x 7"-7/8
Weight (lbs)	39.7

RT024GLSILCFHG (Air Handler) Specifications

Airflow Rate (cfm)	741(Turbo)/623(Hi)/558(Med)/529(Lo)/470(Mute)
Sound Level (dBA)	51 (Turbo) / 49 (Hi) / 46 (Med) / 39 (Lo) / 34 (Mute)
Auto Air Circulation	2-Way Louver (Up-Down + Left-Right)
Dimensions (WDH)	43"-1/4 x 17"-3/4 x 7"-1/8
Weight (lbs)	50.7

Matching Table (# Circuits Utilized)

2-Circuits	(9000-24000) + (9000-24000)
3-Circuits	(9000-24000) + (9000-24000) + (9000-18000)
4-Circuits	(9000-24000) + (9000-18000) + (9000-12000) + (9000-12000)
5-Circuits	(9000-24000) + (9000-18000) + (9000-12000) + (9000-12000) + (9000-12000)

Piping Diameters

9000 BTU	1/4" (Liquid) - 3/8" (Suction)
12000 BTU	1/4" (Liquid) - 3/8" (Suction)
18000 BTU	1/4" (Liquid) - 1/2" Adapter Required (Suction)
24000 BTU	1/4" (Liquid) - 5/8" Adapter Required (Suction)
<i>(All Necessary Adapters Provided with Condenser)</i>	

Although very seldom, if the total demand from the combined group of indoor units' exceeds the rated capacity of the outdoor unit, the capacity of each indoor unit will be annotated accordingly.

Every indoor unit attached to a multi zone system will operate at a random, self regulated capacity, based on the actual demand it measures from the zone it is serving

(Between 30% to 100% of its rated capacity) or turn Off as needed.

Warranty Information and Length



Complete warranty details are available with the vendor or online at <https://www.pdhvac.com/support/warranty/>. This high quality system is eligible for up to **10** years limited warranty on the compressor, and **7** years on other internal parts. To qualify for this warranty, the system must be installed within 90 days by a registered technician. All other installations that are registered default to **5** years parts/compressor. Products unregistered qualify for only **1** year parts/compressor warranty.

Outstanding Features

- LED Display
- Energy Saving
- Ultra-Thin Design
- Dual Drain Options
- Customizable Timer
- Eco-Friendly Refrigerant
- Whisper-Quiet Operation
- Power Loss Memory Recovery

Available Accessories

Part Number	Description
IKT-LCVR4P-KIT	<i>Decorative PVC Line Cover Kit</i>
IKT-LNBR-1/4-3/8	<i>BendAid Flexible Easy Bender Kit</i>
BRK-FRM-C-2P	<i>Folding Mounting Bracket w/ Leveler</i>
IKT-UVL32UL-AG	<i>UVC Bacterial Disinfection Kit</i>
IKT-SURPRK-DV2	<i>Ultimate Surge and Power Protection</i>