

SUBMITTAL DATA SHEET

Series Name: Ducted Evaporators

Model Number: D09H525ZMI, D12H525ZMI, D18H525ZMI, D24H525ZMI



High Static Ducted Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



Features

- Compatible with both horizontal and vertical installation
- Static pressure up to 0.8 in.w.g(for all models)
- Static pressure setting stages: 8
- Refrigerant leakage detection sensor
- Constant airflow
- Built-in pump
- i-clean
- Fan speed stages: 1~100%
- WiFi capability: through wired controller with built-in WiFi
- 2-pin connector(HA/HB) for programmable wired controller
- OTA(by using wired controller 120N(X6W))
- Multiple control options available:

Indoor Product Number		D09H525ZMI	D12H525ZMI	D18H525ZMI	D24H525ZMI
	V-Hz-Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Power Supply / Electrical Ratings					
Voltage range	V	187-253	187-253	187-253	187-253
Cooling Input	W	642	1000	1455	2000
Cooling Current	A	4.9	5.5	9.0	8.8
Indoor MINIMUM CIRCUIT AMPACITY	A	3.00	3.00	3.00	3.00
Indoor MAX.FUSE	A	15	15	15	15
Connection wiring		14#x4	14#x4	14#x4	14#x4
National Certifications and Efficiency Ratings					
SEER2	Btu/h/W	20.5	20	18.4	19
EER2	Btu/h/W	14.0	12.0	12	12.0
HSPF2-4	Btu/h/W	13.8	10.6	11.1	11.7
HSPF2-5	Btu/h/W	10.8	8.5	9.0	9.3
COP	W/W	3.88	3.63	3.60	3.81
Refrigerant Piping					
Liquid side	in	1/4"	1/4"	1/4"	3/8"
Gas side	in	3/8"	3/8"	1/2"	5/8"
Max. Piping Length	ft	82.00	82.00	98.40	164.00
Max. Height Difference	ft	49.20	49.20	65.60	82.00

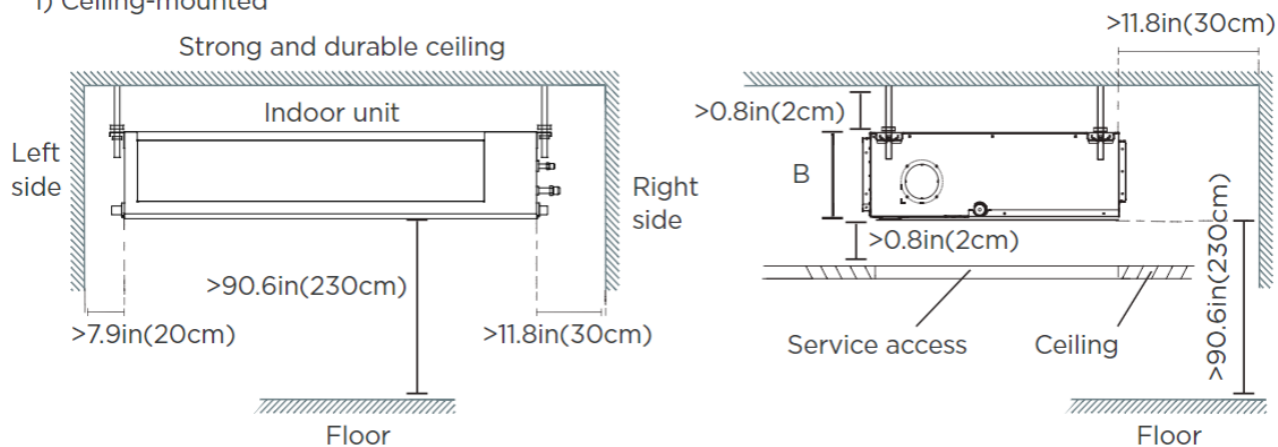
Performance Capacity Ranges					
		D09H525ZMI	D12H525ZMI	D18H525ZMI	D24H525ZMI
Cooling Capacity Range	Btu/h	3000~13100	3000~13300	4000~20600	5000~28000
Cooling Input (range)	W	150 ~ 1260	150 ~ 1260	530 ~ 1790	870 ~ 2410
Cooling Current(range)	A	1.2 ~5.6	1.3 ~5.6	3.3 ~7.9	4.0 ~10.6
Heating Capacity	Btu/h	9900	12000	19500	26000
Heating Input	W	750	970	1590	2000
Heating Current	A	5.4	4.7	9.8	8.8
Heating Input(range)	W	260 ~1420	260 ~1420	340 ~1750	440 ~2480
Heating Current(range)	A	1.6 ~6.7	1.6 ~6.7	1.9 ~7.7	2.4 ~11.0
Moisture removal	kg/h	0.69	1.39	1.39	2.03

Installation Instruction

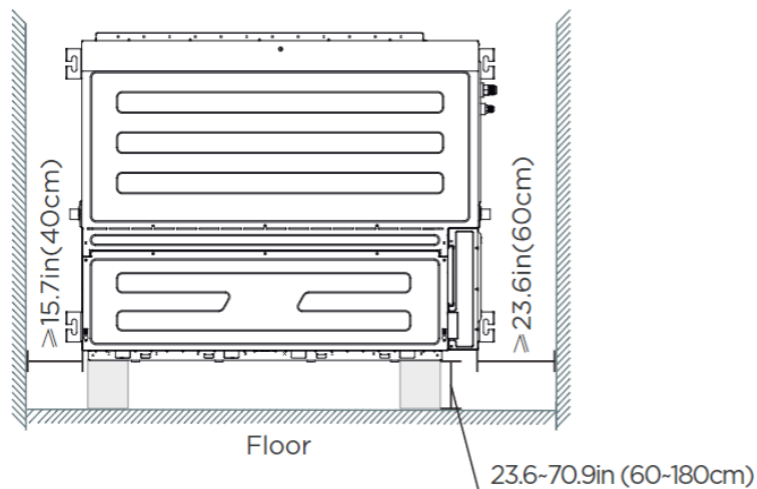
Installation place

The distance between the mounted indoor unit should meet the specifications illustrated in the following diagram.

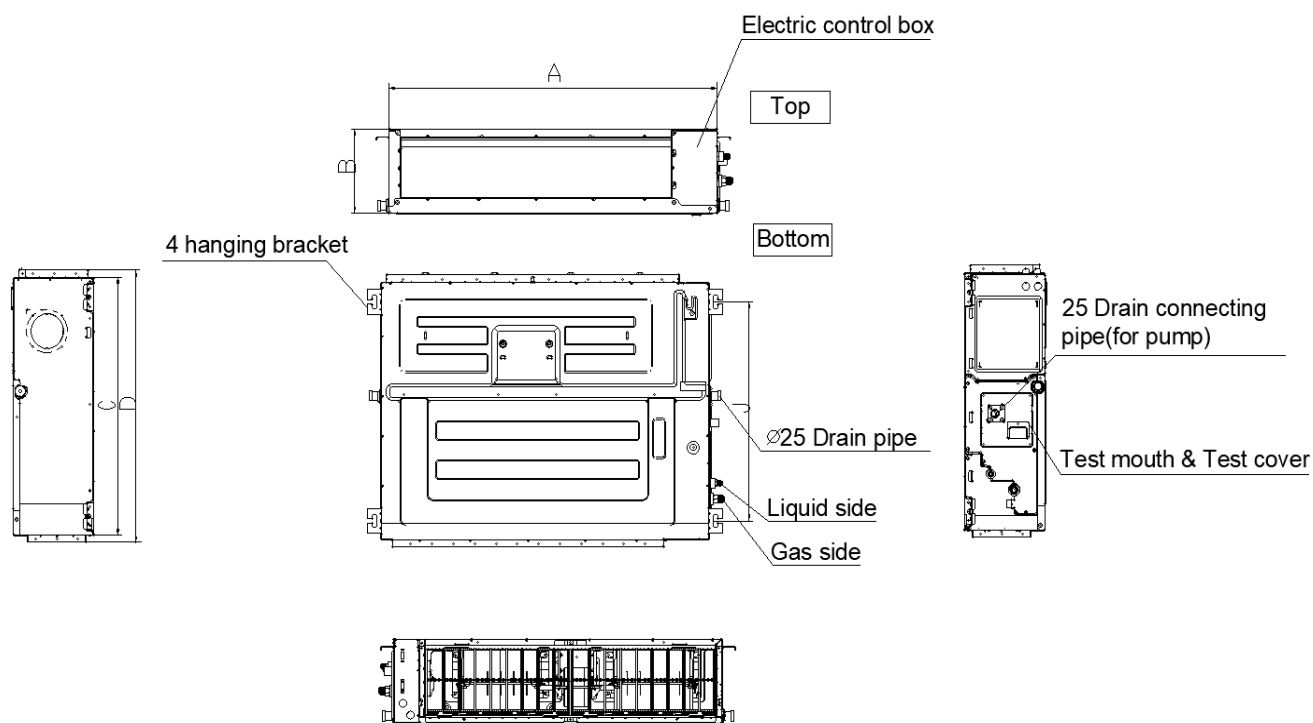
1) Ceiling-mounted



2) Wall-mounted



Indoor Unit Dimension



MODEL	A	B	C	D
9K	27-1/2in(700mm)	7-7/8in(200mm)	17-3/4(450mm)	20in(506mm)
12K	27-1/2in(700mm)	9-5/8in(245mm)	29-1/2(750mm)	31-1/4in(795mm)
18K~24K	39-3/8in(1000mm)	9-5/8in(245mm)	29-1/2(750mm)	31-1/4in(795mm)
36K~48K	47-1/8in(1200mm)	11-7/8in(300mm)	29-1/2(750mm)	31-1/4in(795mm)
60K	55-1/8in(1400mm)	15in(380mm)	31-1/2in(800mm)	33-1/4in(845mm)

Indoor Unit Specifications					
		D09H525ZMI	D12H525ZMI	D18H525ZMI	D24H525ZMI
Indoor Indoor fan motor RLA	A	1.5	1.5	1.8	2.2
Indoor Indoor air flow (Turbo/Hi/Mi/Lo/Si)	CFM	419.1 / 350.2 / 256.0 / 216.0 / 135.4	419.1 / 350.2 / 256.0 / 216.0 / 135.4	706.3 / 618.0 / 529.7 / 441.4 / N\A	853.5 / 706.3 / 618.0 / 500.3 / N\A
Indoor noise level (Turbo/Hi/Mi/Lo/Si)	dB(A)	N\A/29.5/28.5/27.5/26.0	N\A/32.5/30.5/28.5/26	N\A/36/34.0/32.0/28.0	N\A/40.0/37.0/35/29.5
Indoor Operating Temp. Range(Cooling)	°F	60 ~ 90	60 ~ 90	60 ~ 90	60 ~ 90
Indoor Operating Temp. Range(Heating)		32 ~ 86	32 ~ 86	32 ~ 86	32 ~ 86
Indoor Item Net/Gross weight	lb	64.15/73.85	64.15/73.85	79.81/91.27	80.47/91.93
Indoor Unit Dimension WxDxH	inch	27.56 x 29.53 x 9.65	27.56 x 29.53 x 9.65	39.37 x 29.53 x 9.65	39.37 x 29.53 x 9.65
N.A. Design pressure	PSI	550 / 340	550 / 340	550 / 340	550 / 340