

SUBMITTAL DATA SHEET

Series Name: Slim Duct Energy Star Series
Model Number: SZ9H525ZMO/D09H525ZMI



Slim Duct Heat Pump System

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



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	344.3 / 288.4 / 230.7 / 200.7 / 121.8
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	N/A/30.5/29.5/28.5/28.0
Indoor static pressure range	0-0.8
Dimension (W×D×H)	inch 27.56 x 29.53 x 9.65
Package (W×D×H)	inch 36.42 x 33.46 x 11.73
Net/Gross Weight	lbs 64.15/73.85

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KSK103D33UEZ3
Refrigerant	R454B
Refrigerant Oil Charge(mL)	310
Refrigerant Oil	2.40/5.65
Outdoor Air Flow (Max) (CFM)	1236.1
Outdoor Noise Level (dBA)	53.0
Dimension (W×D×H)	inch 30.12 x 11.93 x 21.85
Package (W×D×H)	inch 34.92 x 13.27 x 24.02
Net/Gross Weight	lbs 62.17/67.68

EFFICIENCY

Cooling	Heating
SEER2	HSPF2-4
EER2	COP
19.7	11.5
13.0	4.00

PERFORMANCE of Cooling

Cooling (Btu/hr)
Rated Capacity
Min/Max Capacity
Moisture Removal(L/h)
Standard Operating Range(°F/°C)
Conditions:
Indoor: 80°F DB/67°F WB
Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating

Heating (Btu/hr)
1. @ 47°F Rated
1. @ 47°F Min/Max Capacity
2. @ 17°F Rated
3. @ 5°F Rated: Capacity / COP
3. @ 5°F Max: Capacity
Standard Operating Range(°F/°C)
1. Conditions:
Indoor: 70°F DB/60°F WB
Outdoor: 47°F DB/43°F WB
2. Conditions:
Indoor: 70°F DB/60°F WB
Outdoor: 17°F DB/15°F WB
3. Conditions:
Indoor: 70°F DB/60°F WB
Outdoor: 5°F DB/5°F WB

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	12.00
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	7.3
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	1.5
Indoor Fan Motor W	165
System Power Input @ Cooling (W)	676(200 ~ 1000)
System Power Input @ Heating (W)	735(250 ~ 1150)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	32.45(0.92)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

Features

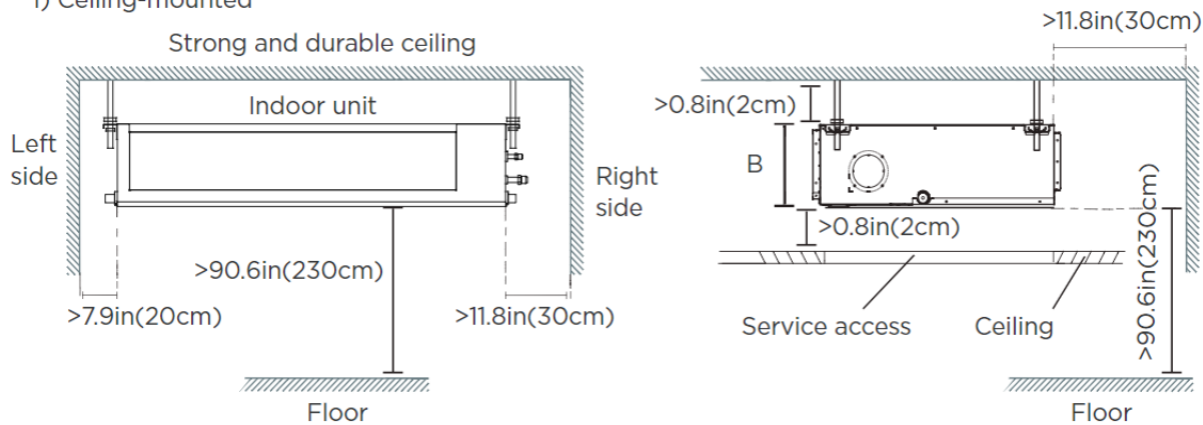
- Compatible with both horizontal and vertical installation
- Static pressure up to 0.8 in.w.g(for all models)
- Static pressure setting stages: 8
- Refrigerant leakage detection sensor
- Constant airflow
- Built-in pump
- i-clean
- Fan speed stages: 1~100%
- WiFi capability: through wired controller with built-in WiFi
- OTA(by using wired controller 120N(X6W))
- 2-pin connector(HA/HB) for programmable wired controller
- Multiple control options available:
 - Two way communication wired controller:120N(X6)
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Infrared wired controller: 120L
 - Wireless remote controller
 - Third-Party 24V Thermostat*

Installation Instruction

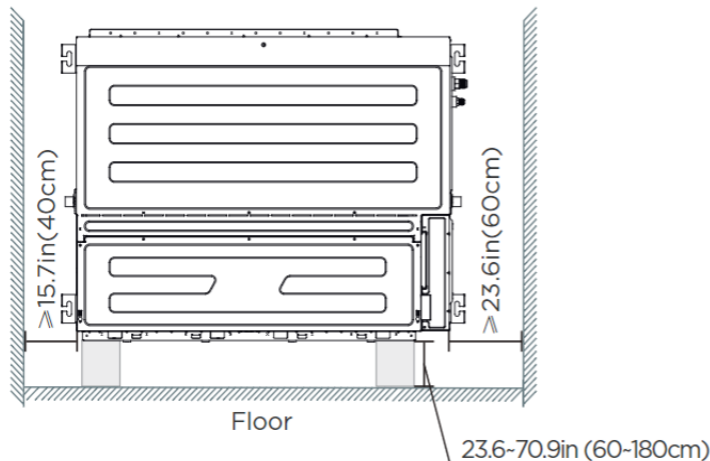
Installation place

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

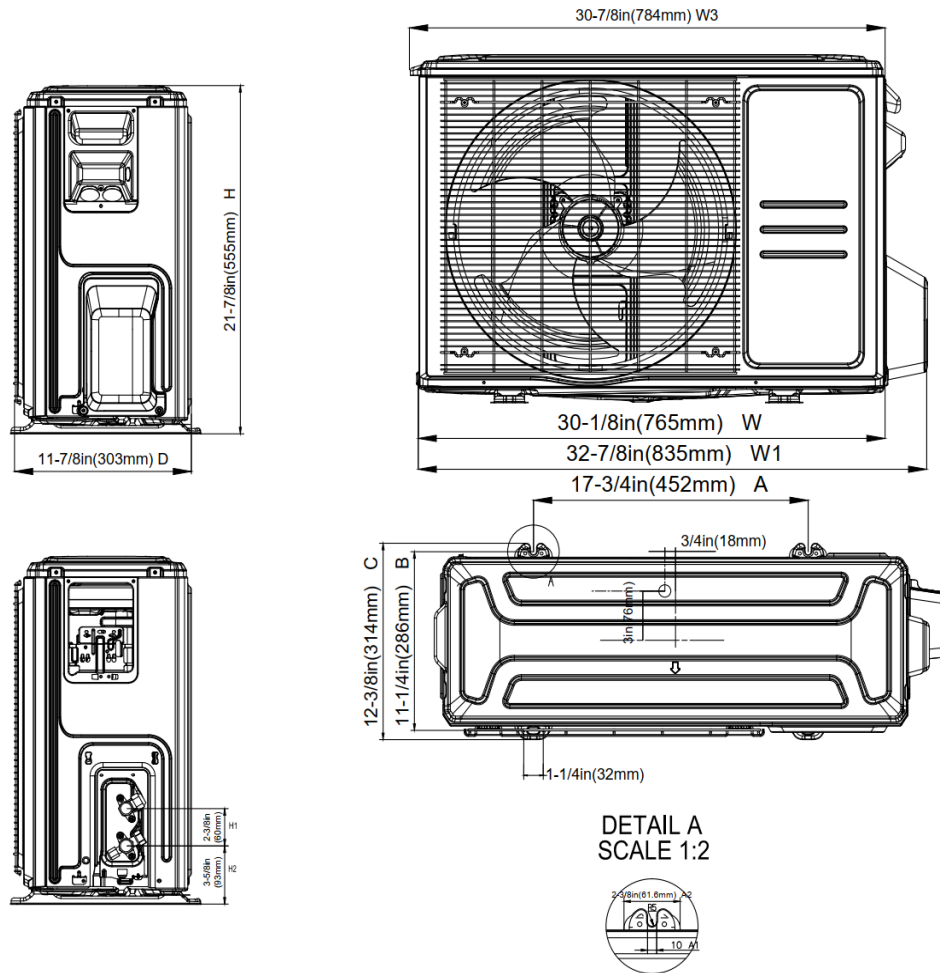
1) Ceiling-mounted



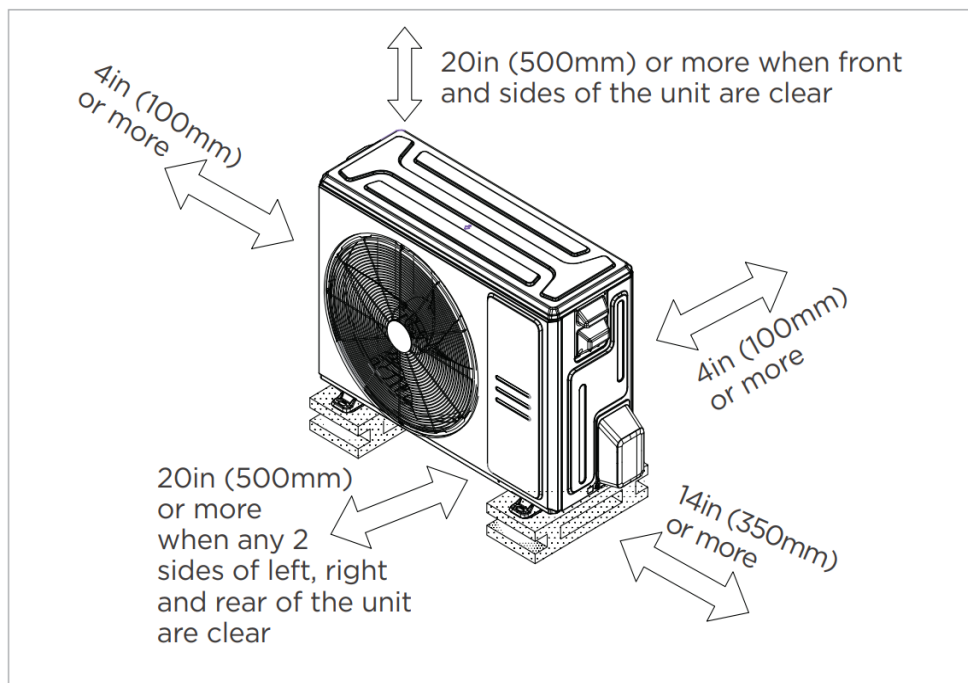
2) Wall-mounted



Outdoor Unit Dimension

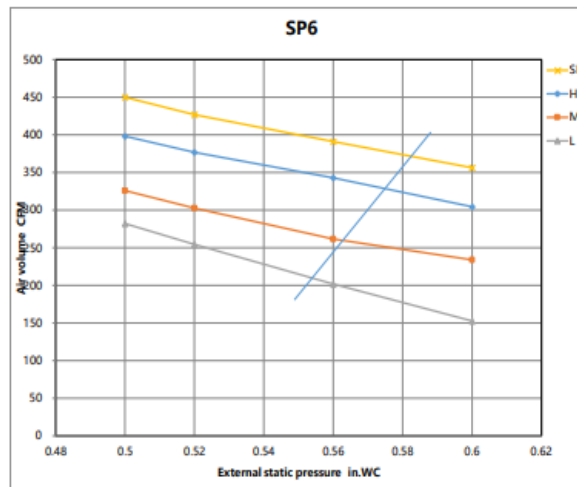
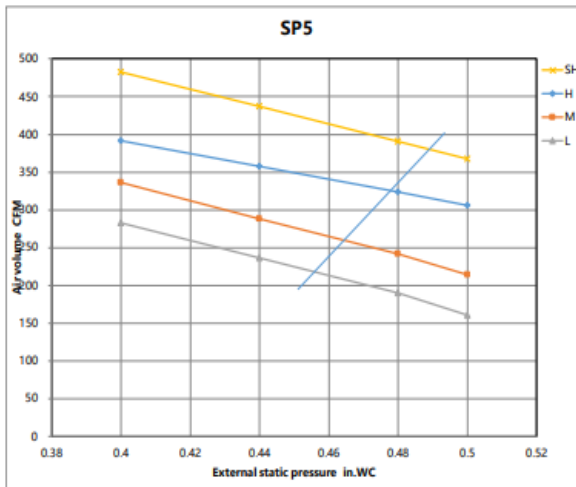
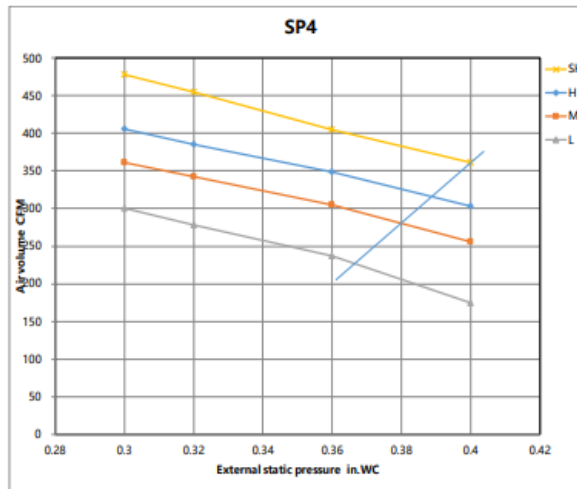
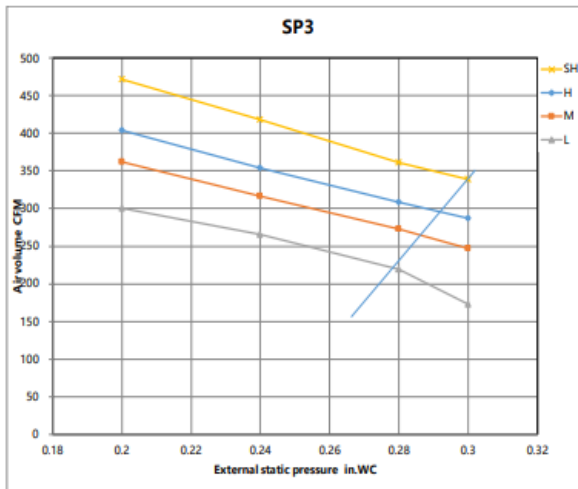
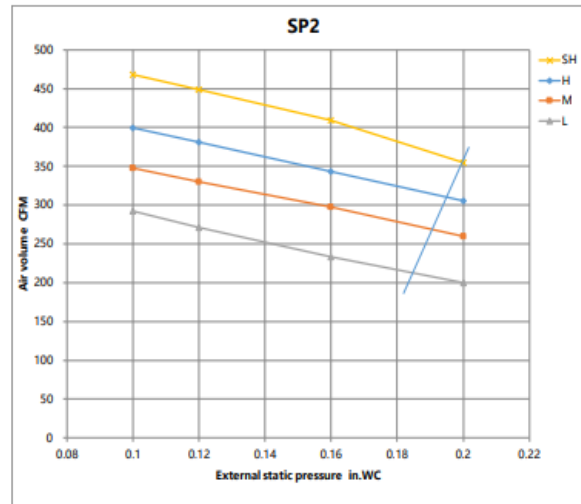
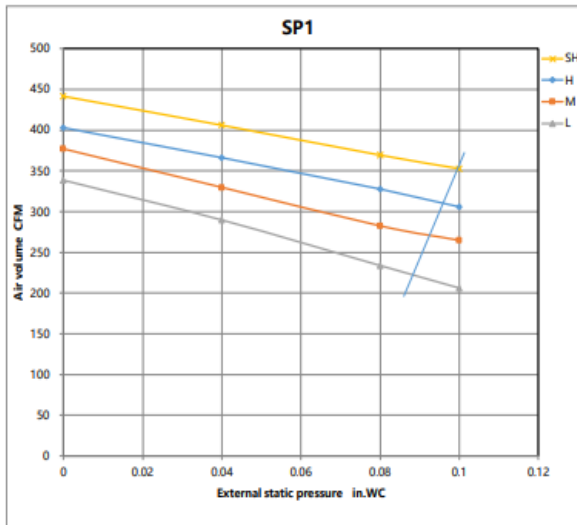


Installation Instruction

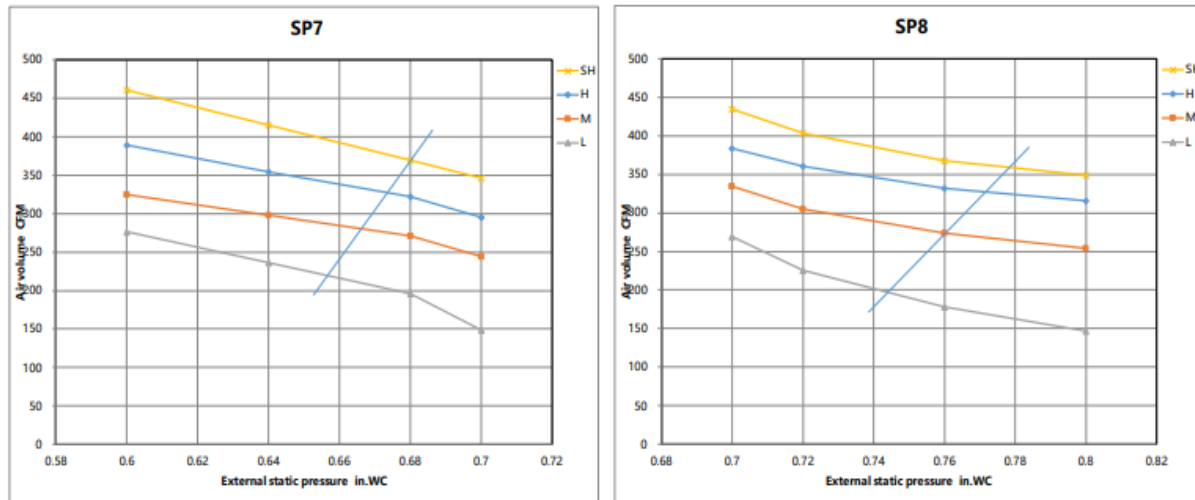


✓ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan performance



Fan performance



Constant air volume

