

R454b Refrigerant

SUBMITTAL DATA SHEET



Series Name: Slim Duct Regular Series
Model Number: MDHHS-H60B-2A/MO1BU-H60B-2A

Slim Duct Regular System

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



INDOOR SPEINDOOR SPECIFICATIONCIFICATION

Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		2001 / 1707 / 1413 / 1118 / 1118
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		52 / 52 / 48 / 43 / 42
Indoor static pressure range(in.w.g.)		0-0.8
Dimension (W×D×H)	inch	55-1/8 × 31-1/2 × 15
	mm	1400 × 800 × 380
Package (W×D×H)	inch	63 × 36 × 17-1/2
	mm	1600 × 915 × 445
Net/Gross Weight	lbs	161 / 178
	kg	73.2 / 80.8

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTQ420D1UMU
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1,400
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		4,238
Outdoor Noise Level (dBA)		64
Dimension (W×D×H)	inch	37-1/2 × 16-3/8 × 52-1/2
	mm	952 × 415 × 1333
Package (W×D×H)	inch	43-1/8 × 19-1/2 × 57-1/2
	mm	1095 × 495 × 1460
Net/Gross Weight	lbs	209 / 240
	kg	95 / 108.9

EFFICIENCY

Cooling		Heating	
SEER2	17.0	HSPF2-4	9.7
EER2	10.0	COP	3.70

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	58,000
Min/Max Capacity	14,600~63,000
Moisture Removal(L/h)	5.24
Standard Operating Range(°F/°C)	-13~122 (-25 ~ 50)
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	60,000
1. @ 47°F Min/Max Capacity	11,800~67,000
2. @ 17°F Rated	40,000
3. @ 5°F Rated: Capacity / COP	40,000/2.20
3. @ 5°F Max: Capacity	40,000
Standard Operating Range(°F/°C)	-13~75 (-25 ~ 24)
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

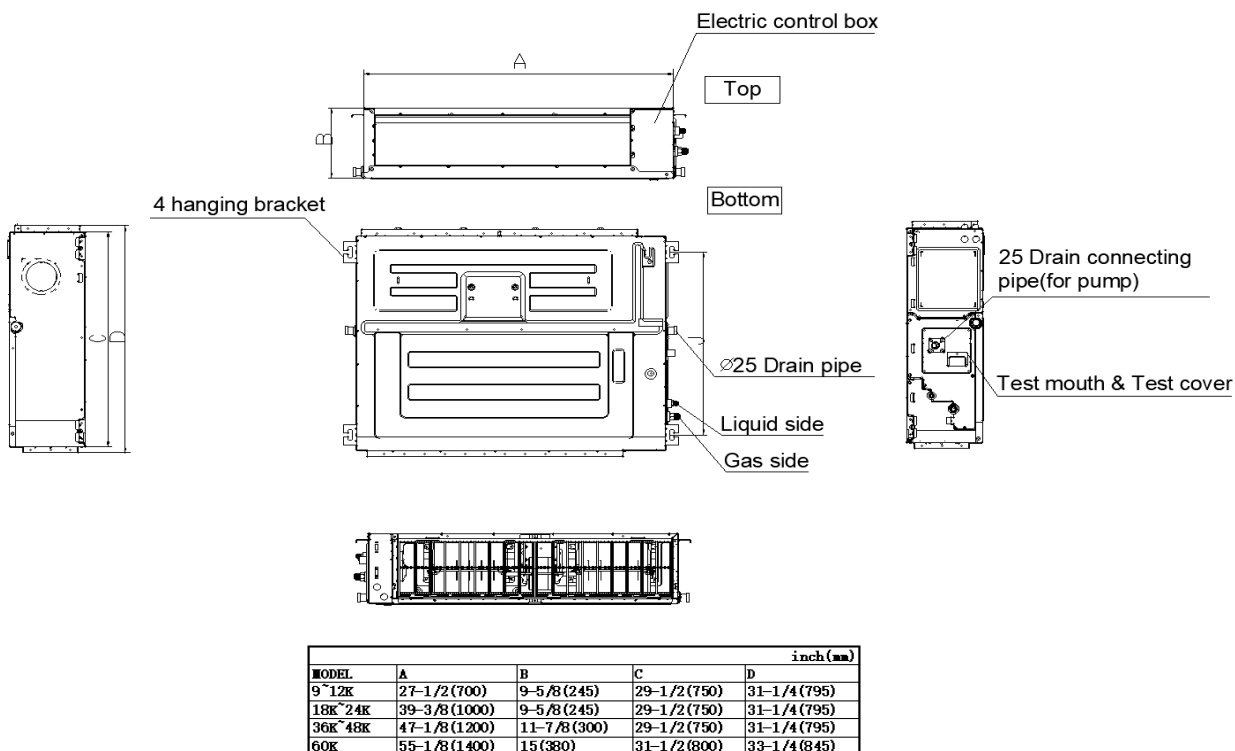
ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	42.0
Connection Wiring	AWG 14/3
System MOC	45.0
Compressor RLA	25.0
Outdoor Fan Motor RLA	2.2
Outdoor Fan Motor W	85
Indoor Fan Motor RLA	4.0
Indoor Fan Motor W	560
System Power Input @ Cooling (W)	5,800 (1,200 ~ 6,780)
System Power Input @ Heating (W)	4,750 (775 ~5,170)
MCA: Min. circuit amps (A)	MOC: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

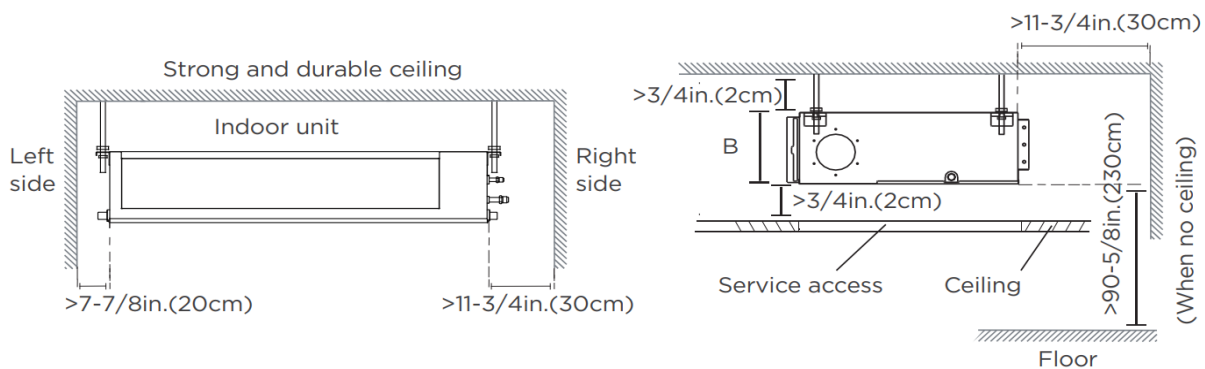
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	246 (75)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	145 (4.10)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.32 (30)
Connection Method	Flared

Indoor Unit Dimension

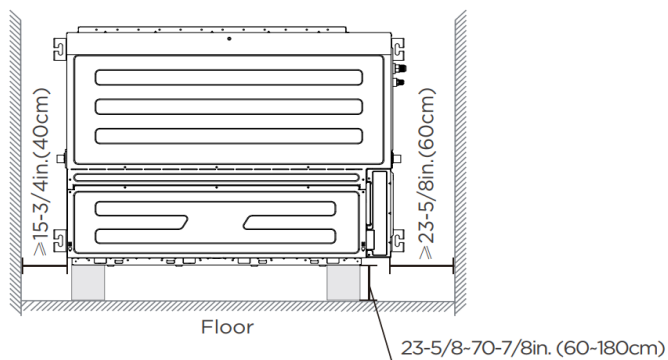


Installation Instruction

1) Ceiling-mounted

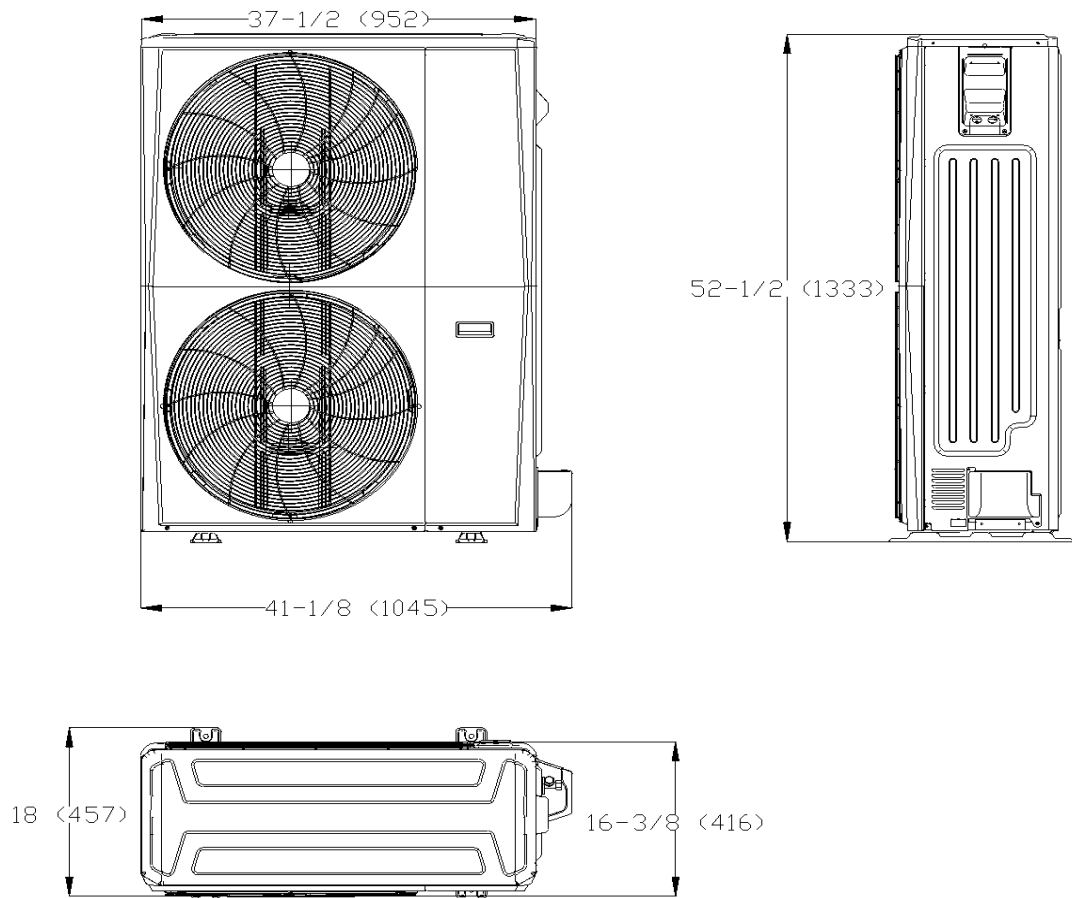


2) Wall-mounted

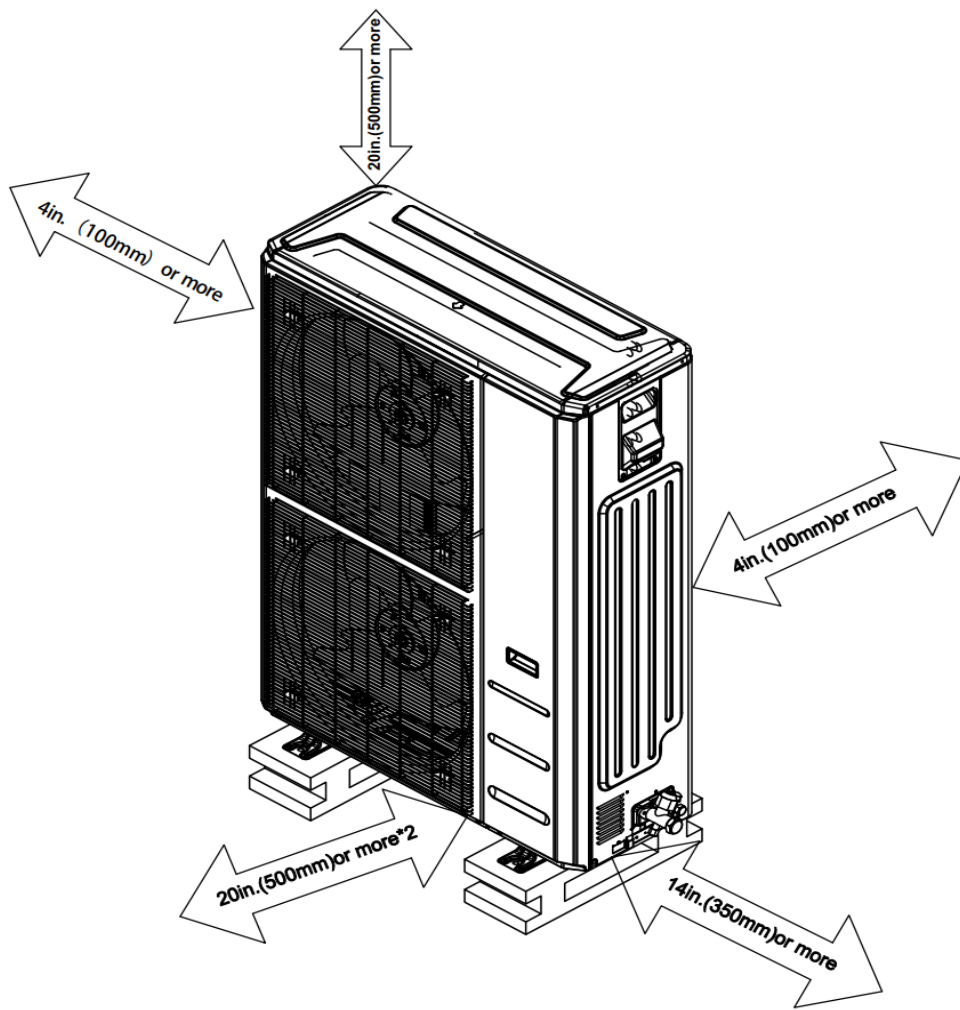


Outdoor Unit Dimension

Unit: inch (mm)

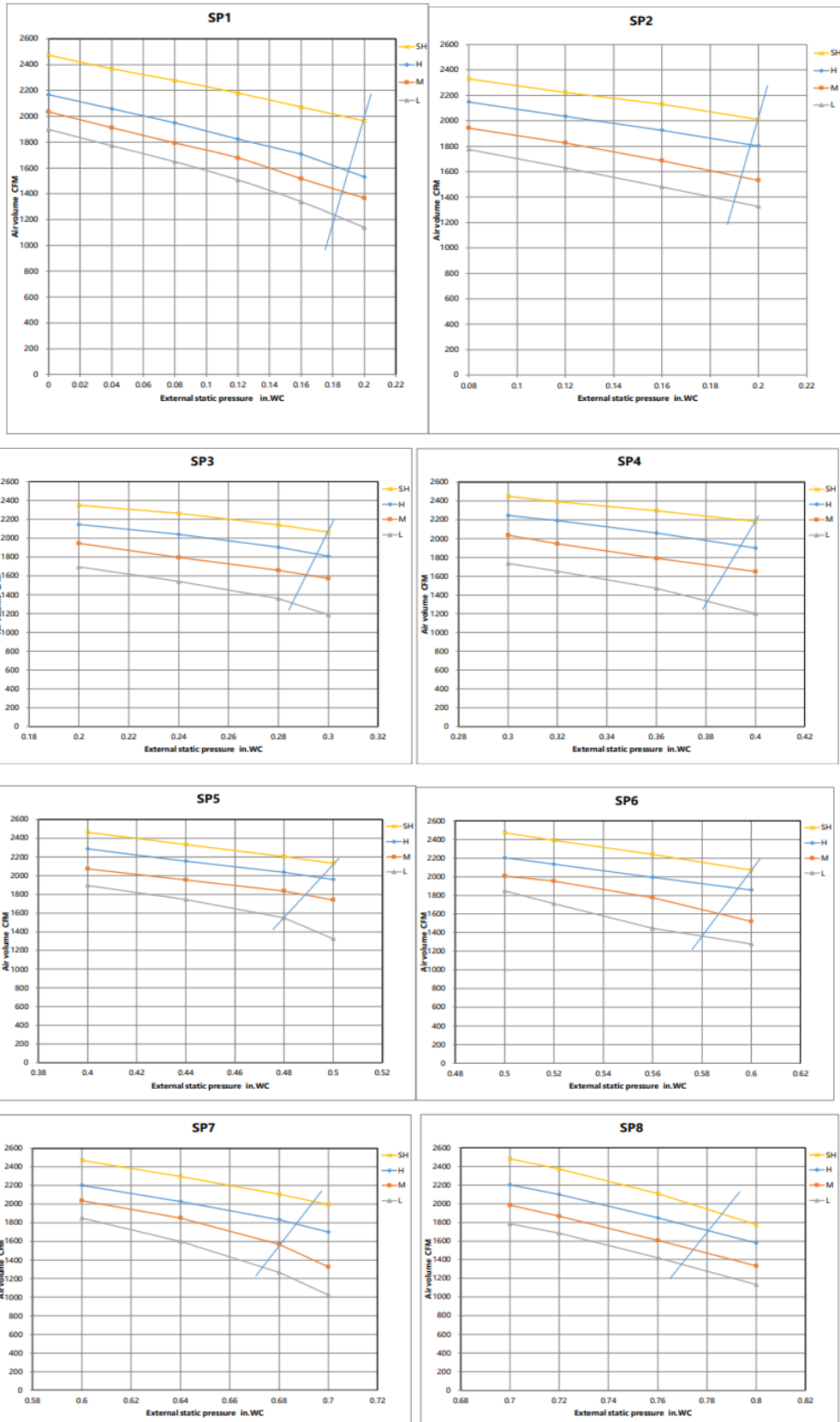


Installation Instruction

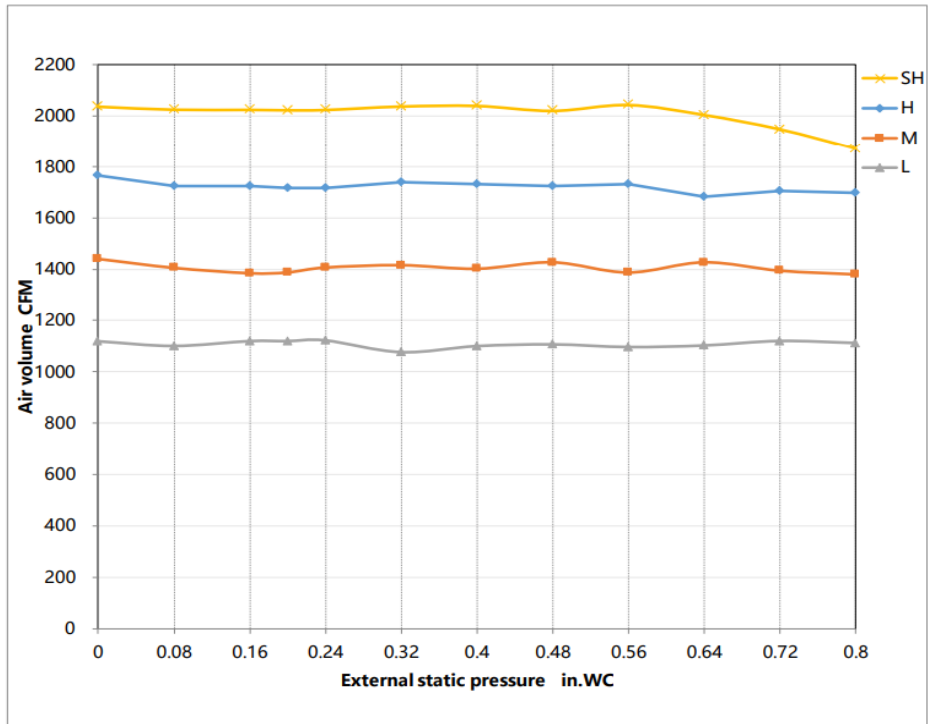


Fan performance

The default setting is SP1, which can be changed to SP2,3,4,5,6,7,8 using the wired controller.



Constant air volume



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*

*24V interface is required.