R454b
Refrigerant

SUBMITTAL DATA SHEET

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

Midea

Slim Duct Regular System			
Location:		Approval:	
Engineer:		Date:	
Submitted to:		Construction:	
Submitted by:		Unit #:	
Reference:		Drawing #:	

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ETL Intertek

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 x 31-1/2 x 15
	mm	1400 × 800 × 380
Package (W×D×H)	inch	63 x 36 x 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 x 16-3/8 x 52-1/2
	mm	952 × 416 × 1333
Package (W×D×H)	inch	43-1/8 x 19-1/2 x 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

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	42.0
Communication Wiring	AWG 20/2
System MOCP	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)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

| 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

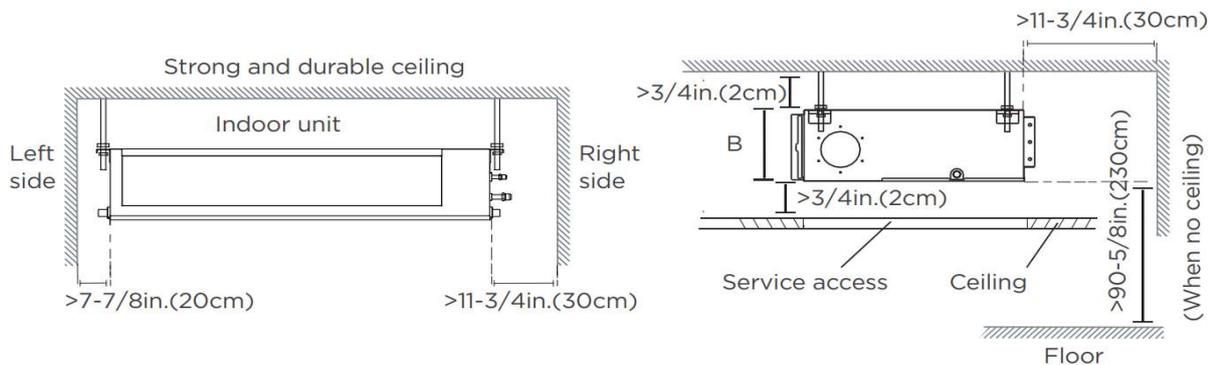| PIPING	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	246 (75)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	145 (4.10)
Additional Charge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

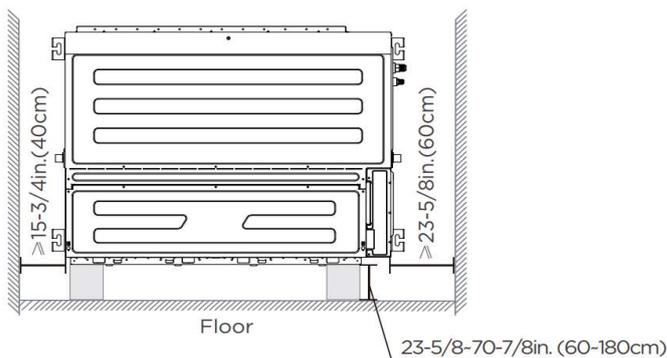## Air outlet dimensions
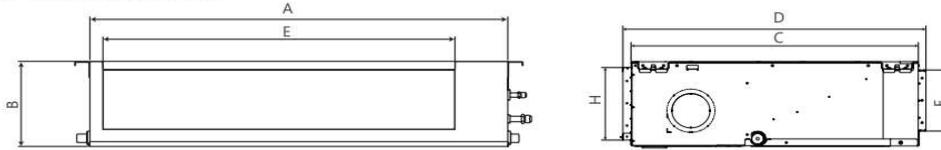
Air inlet dimensions
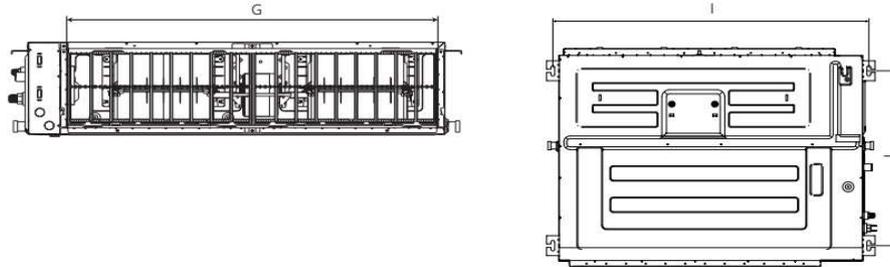
Unit: inch (mm)

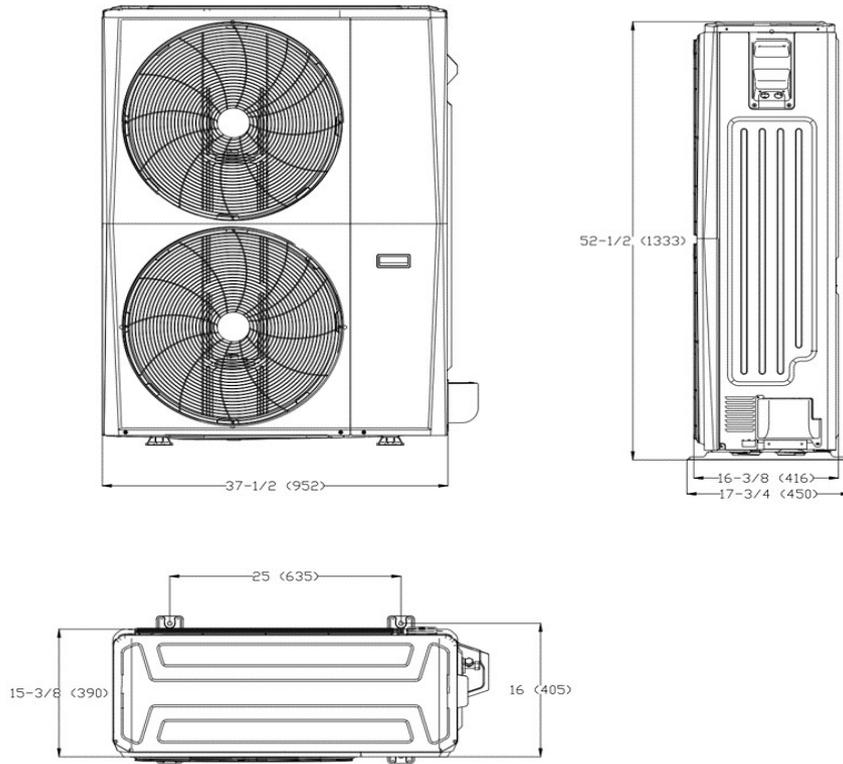| MODEL	OUTLINE DEMENSION				AIR OUTLET OPENING SIZE		AIR RETURN OPENING SIZE		SIZE OF MOUNTED LUG	
	A	B	C	D	E	F	G	H	I	J
9K/12K	27-5/8 (700)	9-5/8 (245)	29-1/2 (750)	31-5/16 (795)	20-3/4 (527)	7 (178)	23-5/16 (592)	8-5/16 (212)	29-3/32 (740)	25-1/4 (640)
18K/24K	39-7/16 (1,000)	9-5/8 (245)	29-1/2 (750)	31-5/16 (795)	32-5/8 (827)	7 (178)	35-3/32 (892)	8-5/16 (212)	40-7/8 (1,040)	25-1/4 (640)
36K/48K	47-1/4 (1,200)	11-13/16 (300)	29-1/2 (750)	31-5/16 (795)	40-7/16 (1,027)	9-1/4 (233)	43 (1,092)	10-1/2 (267)	48-13/16 (1,240)	25-1/4 (640)
55K/60K	55-3/32 (1,400)	14-7/8 (380)	29-1/2 (750)	31-5/16 (795)	48-3/32 (1,223)	12-5/8 (320)	50-3/32 (1,272)	13 (330)	56-13/16 (1,440)	26-5/16 (668)

1) Ceiling-mounted

Strong and durable ceiling

Indoor unit

Left side

Right side

>7-7/8in.(20cm)

>11-3/4in.(30cm)

>11-3/4in.(30cm)

>3/4in.(2cm)

B

>3/4in.(2cm)

>90-5/8in.(230cm) (When no ceiling)

Service access

Ceiling

Floor

2) Wall-mounted

≥15-3/4in.(40cm)

≥23-5/8in.(60cm)

Floor

23-5/8-70-7/8in. (60-180cm)

Outdoor Unit Dimension

Unit: inch (mm)

37-1/2 (952)

52-1/2 (1333)

16-3/8 (416)
17-3/4 (450)

25 (635)

15-3/8 (390)

16 (405)

20in.(500mm)or more

4in. (100mm) or more

4in.(100mm)or more

20in.(500mm)or more*2

14in.(350mm)or more
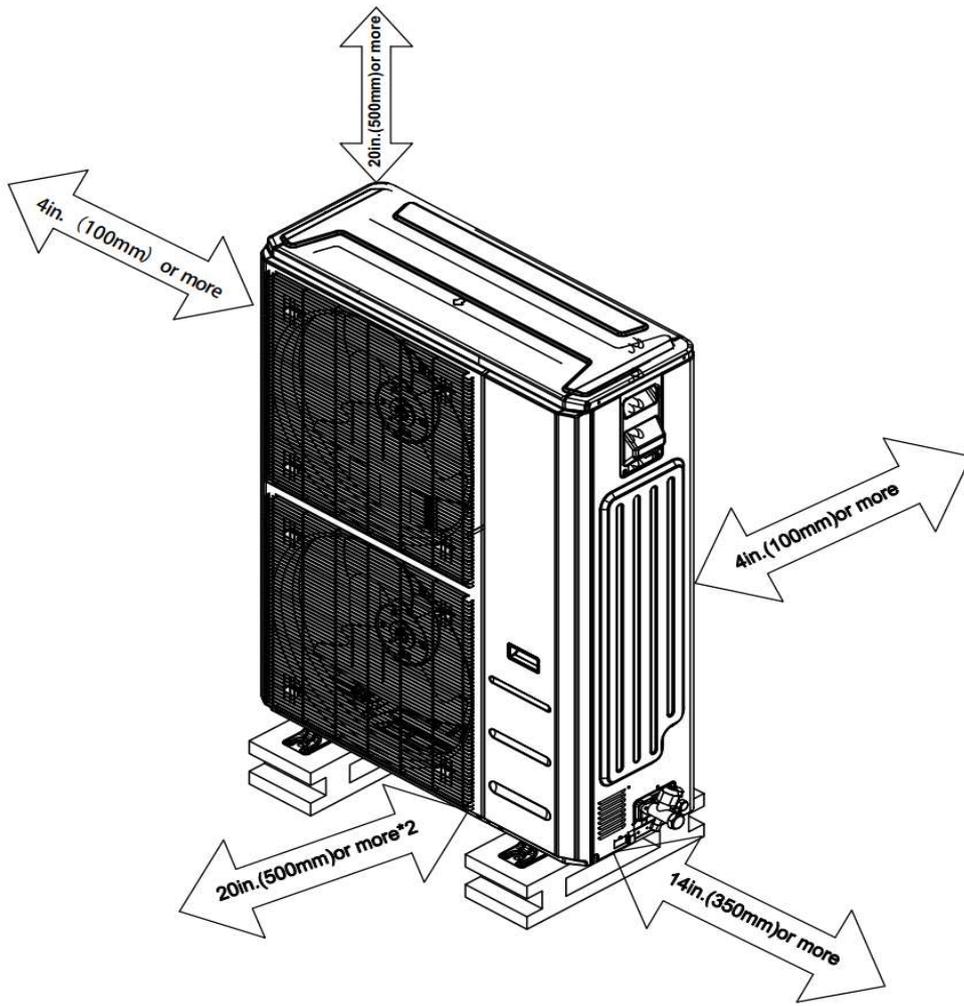
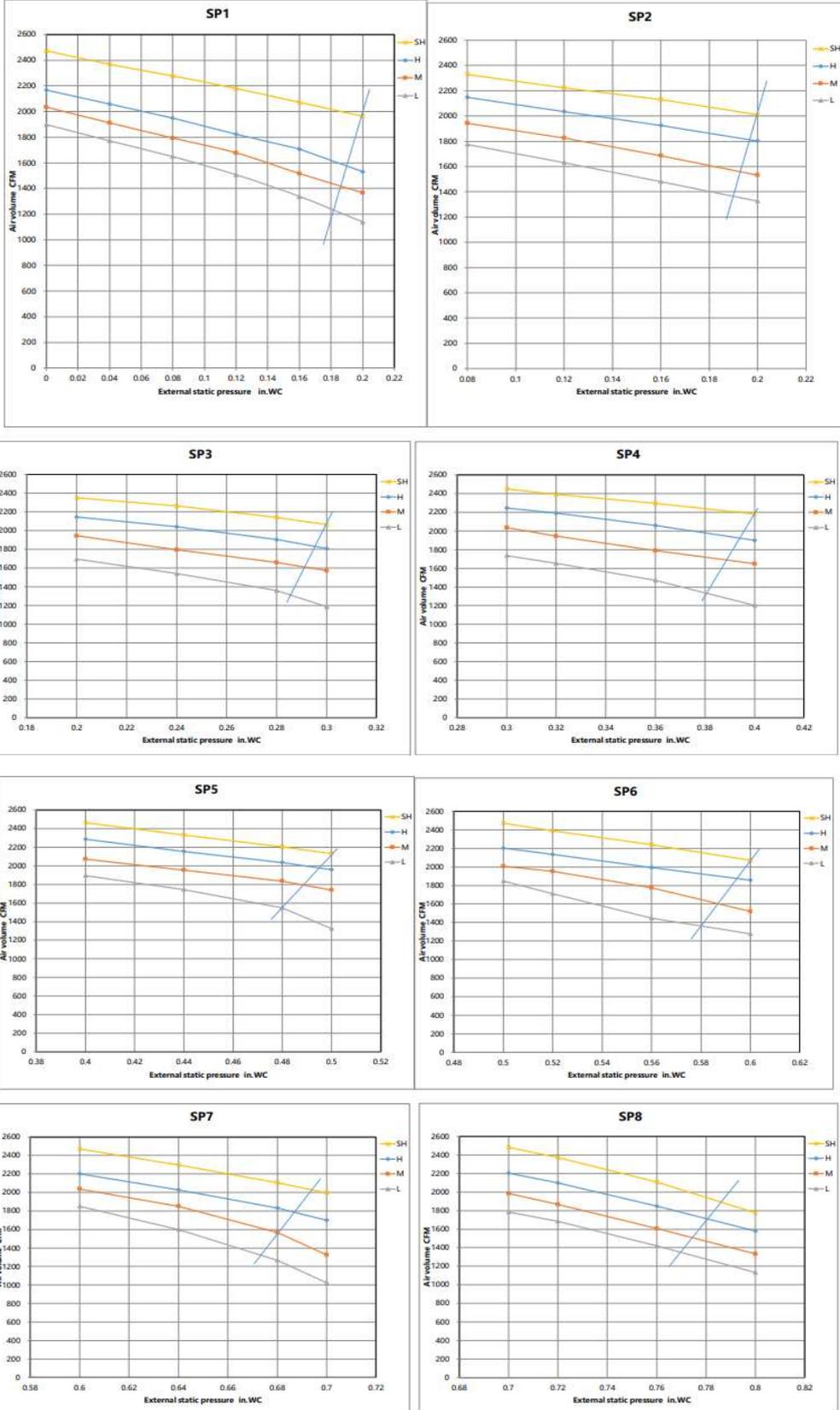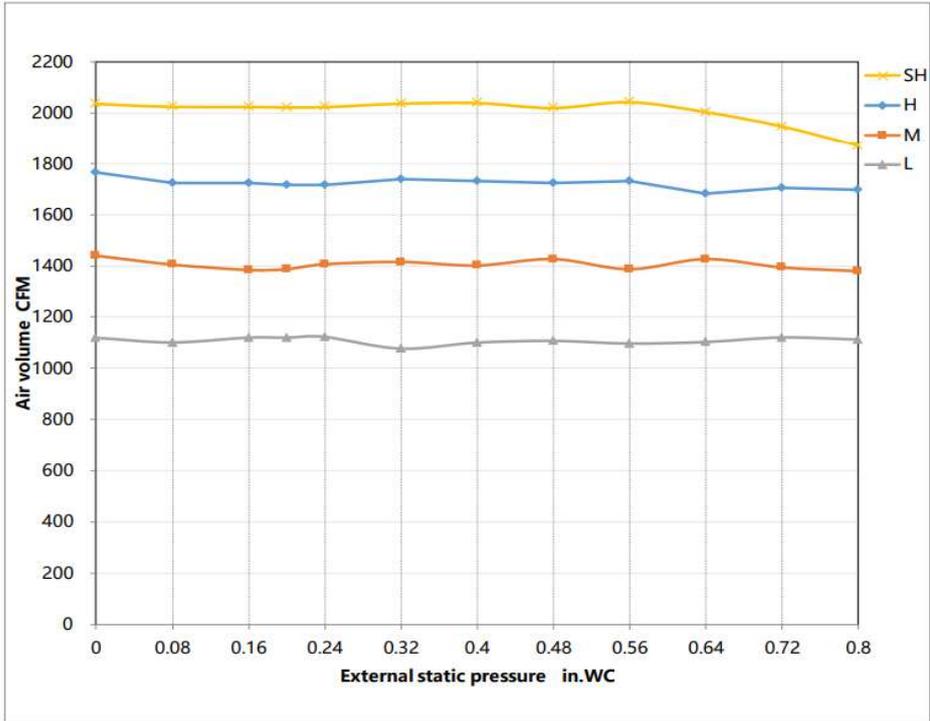## Fan performance

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

SP1 — Air volume CFM vs External static pressure in.WC (curves: SH, H, M, L)

SP2 — Air volume CFM vs External static pressure in.WC (curves: SH, H, M, L)

SP3 — Air volume CFM vs External static pressure in.WC (curves: SH, H, M, L)

SP4 — Air volume CFM vs External static pressure in.WC (curves: SH, H, M, L)

SP5 — Air volume CFM vs External static pressure in.WC (curves: SH, H, M, L)

SP6 — Air volume CFM vs External static pressure in.WC (curves: SH, H, M, L)

SP7 — Air volume CFM vs External static pressure in.WC (curves: SH, H, M, L)

SP8 — Air volume CFM vs External static pressure in.WC (curves: SH, H, M, L)

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 with built-in WiFi:120N(X6W)
   ○ Wireless remote controller
   ○ Third-Party 24V Thermostat*

*24V interface is required.