R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Slim Duct Regular Series
Model Number: MDHHS-H36B-2A/MO1BU-H36B-2A

Midea

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)		1236 / 1060 / 942 / 765 / 765
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		45 / 45 / 40 / 33 / 30
Indoor static pressure range(in.w.g.)		0-0.8
Dimension (W×D×H)	**inch**	47-1/8 x 29-1/2 x 11-7/8
	mm	1200 × 750 × 300
Package (W×D×H)	**inch**	56-1/8 x 33-7/8 x 14-1/8
	mm	1425 × 860 × 359
Net/Gross Weight	**lbs**	106 / 120
	kg	48.2 / 54.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTF310D43UMT
Refrigerant		R454B
Refrigerant Oil Charge(mL)		1,000
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2,413
Outdoor Noise Level (dBA)		63
Dimension (W×D×H)	**inch**	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	**inch**	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 × 500 × 885
Net/Gross Weight	**lbs**	152 / 162
	kg	69.1 / 73.7

EFFICIENCY			
Cooling		**Heating**	
SEER2	18.7	**HSPF2-4**	10.2
EER2	10.1	**COP**	3.70

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	36,000
Min/Max Capacity	7,900~42,500
Moisture Removal(L/h)	3.65
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	40,000

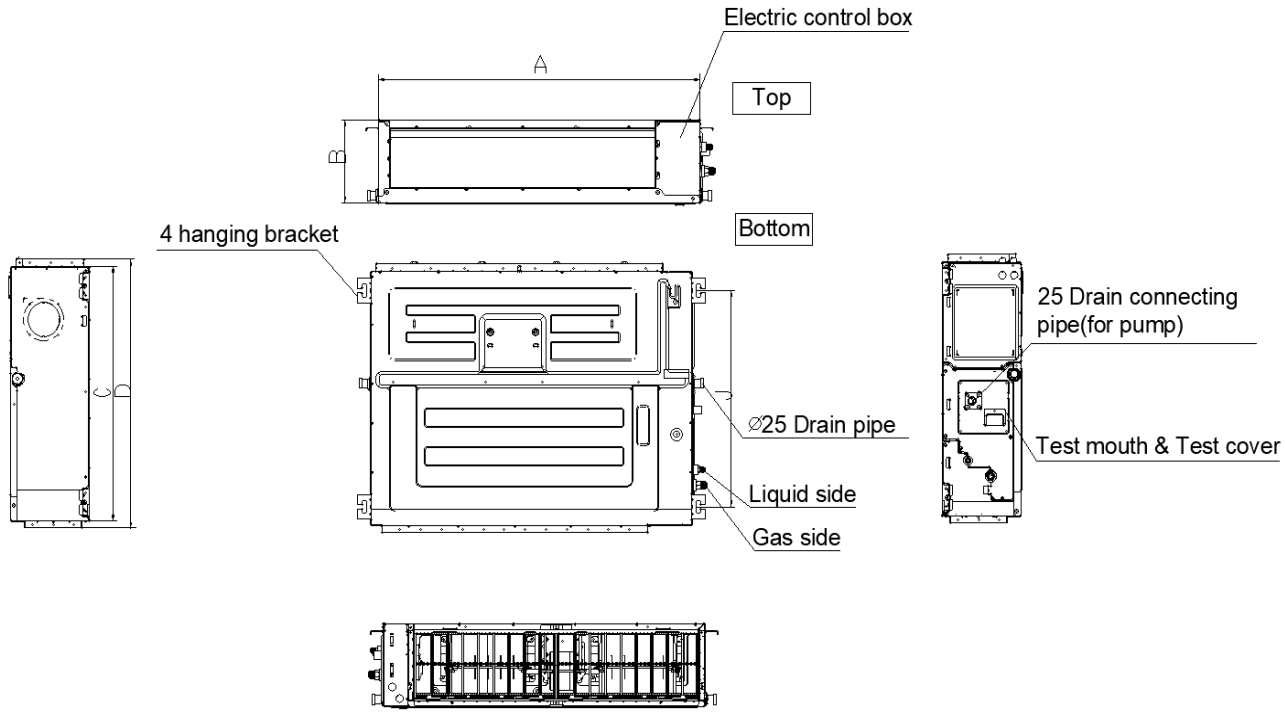
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	33.0
Connection Wiring	AWG 14/3
System MOCP	35.0
Compressor RLA	21.5
Outdoor Fan Motor RLA	1.4
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	3.2
Indoor Fan Motor W	400
System Power Input @ Cooling (W)	3,530 (660 ~ 4,250)
System Power Input @ Heating (W)	3,170 (520 ~3,360)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

PIPING

1. @ 47°F Min/Max Capacity	8,100~43,500
2. @ 17°F Rated	27,400
3. @ 5°F Rated: Capacity / COP	25,600/2.10
3. @ 5°F Max: Capacity	25,600
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

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)	92 (2.60)
dditional Charge of Refrigerant((oz/ft)/(g/m	0.32 (30)
Connection Method	Flared

Indoor Unit Dimension

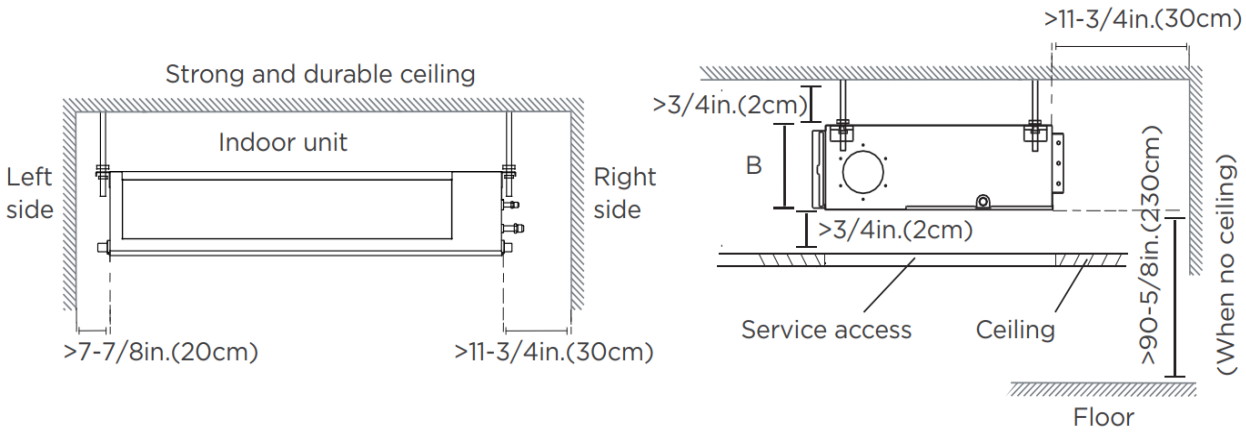


inch(mm)

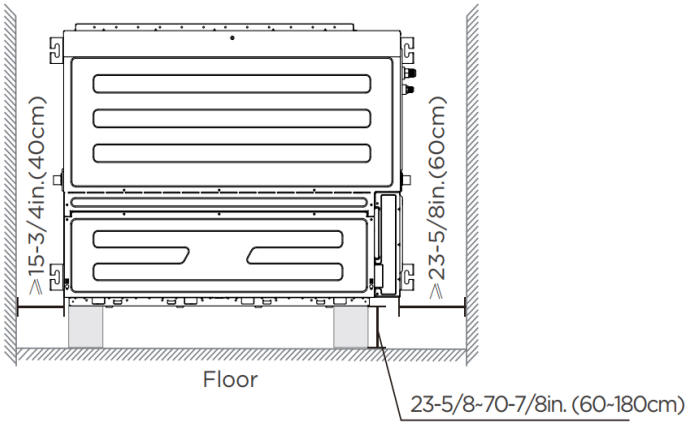
MODEL	A	B	C	D
9~12K	27-1/2(700)	9-5/8(245)	29-1/2(750)	31-1/4(795)
18K~24K	39-3/8(1000)	9-5/8(245)	29-1/2(750)	31-1/4(795)
36K~48K	47-1/8(1200)	11-7/8(300)	29-1/2(750)	31-1/4(795)
60K	55-1/8(1400)	15(380)	31-1/2(800)	33-1/4(845)

Installation Instruction

1) Ceiling-mounted

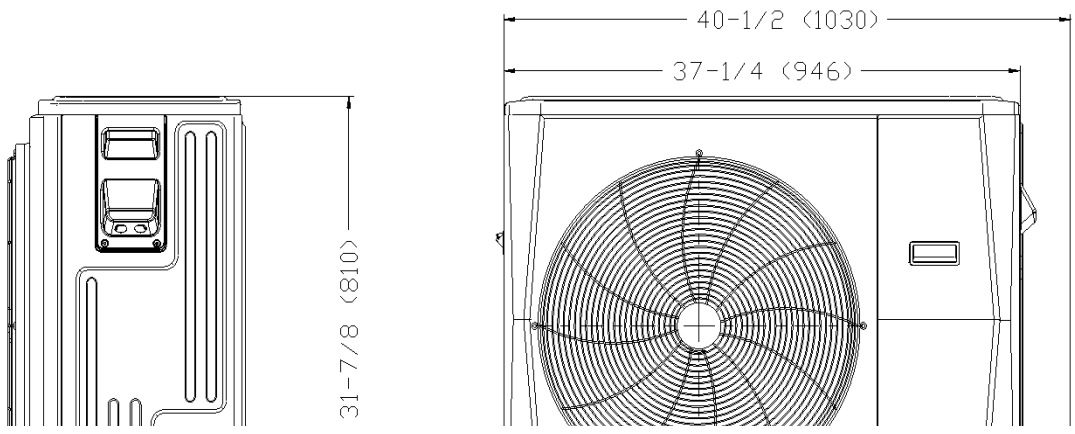


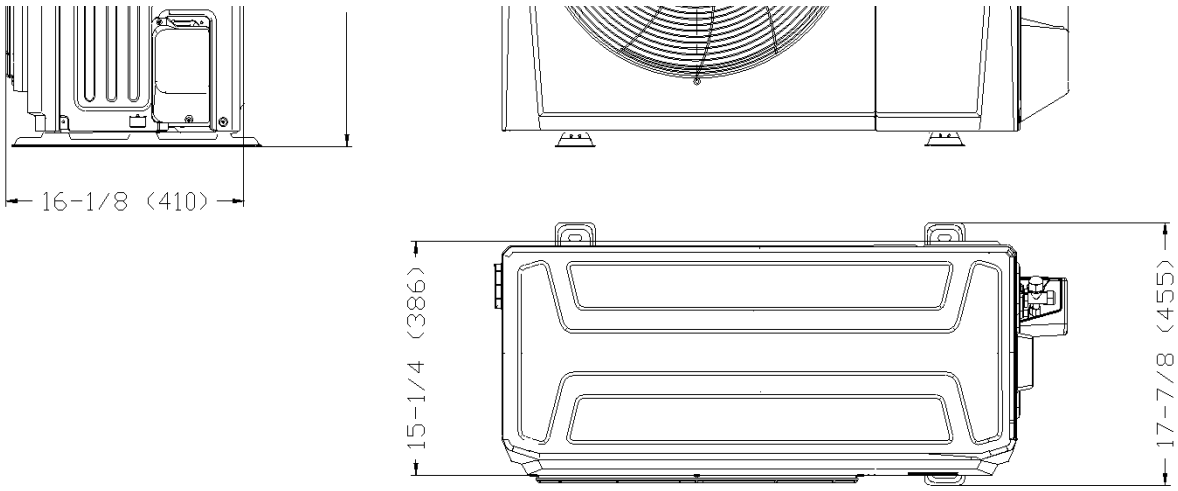
2) Wall-mounted



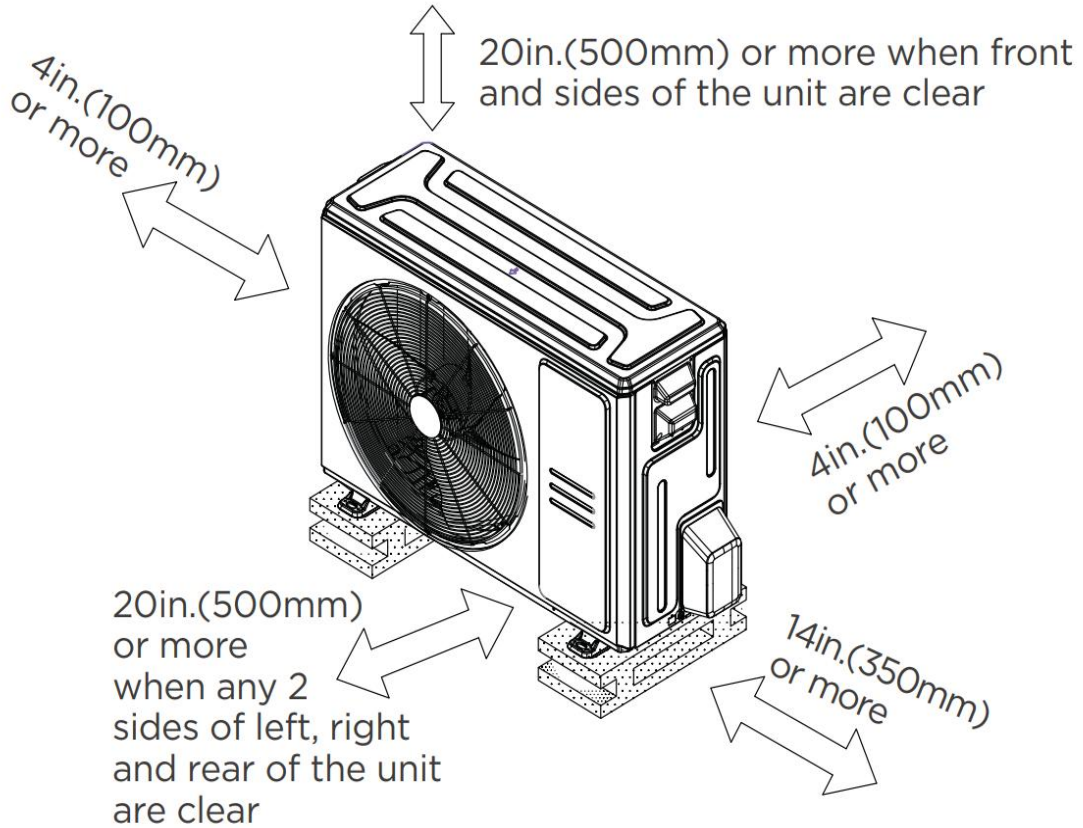
Outdoor Unit Dimension

Unit: inch (mm)





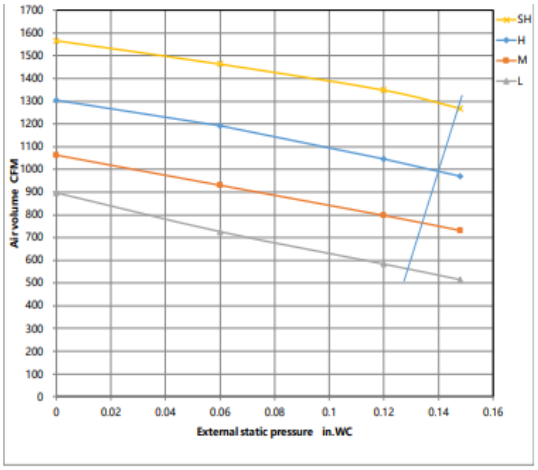
Installation Instruction

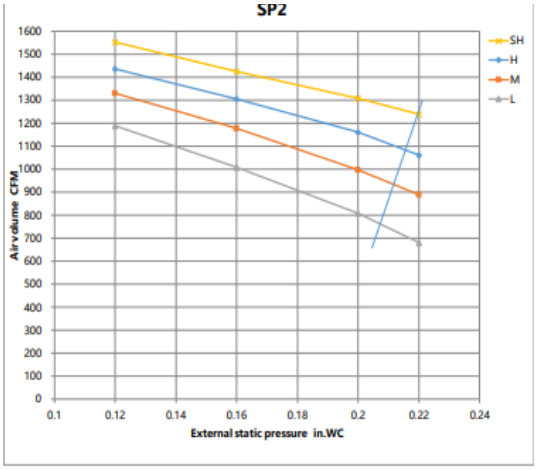


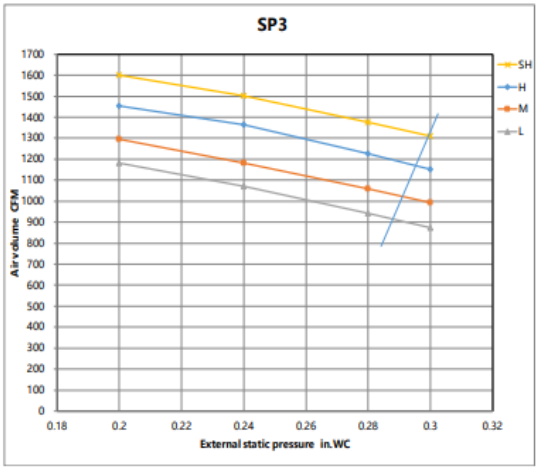
Fan performance

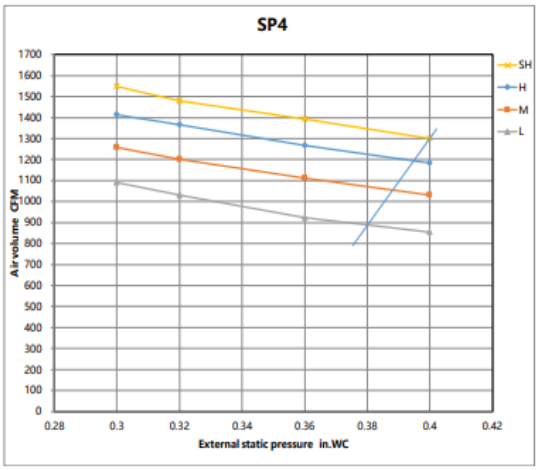
The default setting is SP1, which can be changed to SP2,3,4,5,6,7,8 using the wired controller.

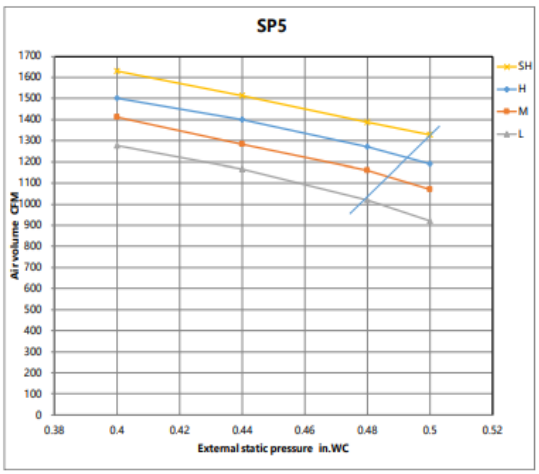


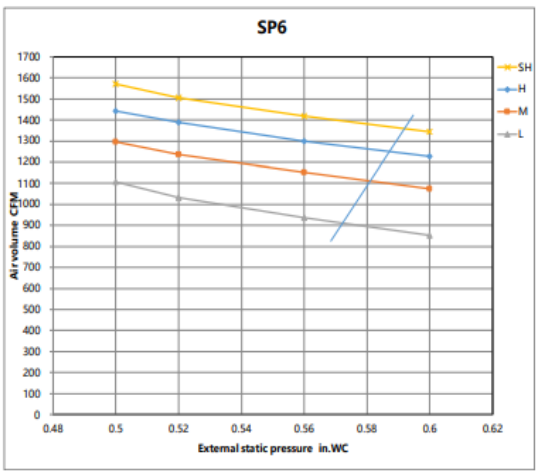

Air volume CFM
External static pressure in.WC
SH
H
M
L

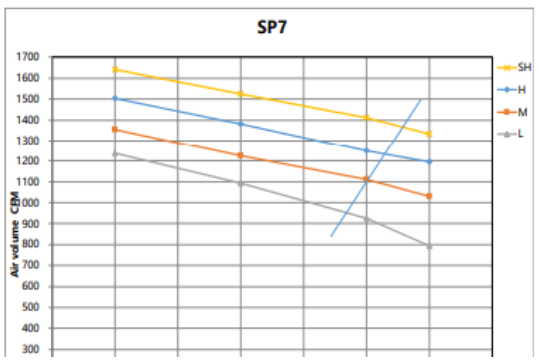

SP2
Air volume CFM
External static pressure in.WC
SH
H
M
L

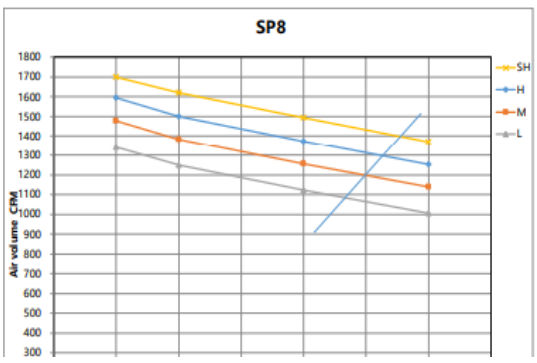

SP3
Air volume CFM
External static pressure in.WC
SH
H
M
L

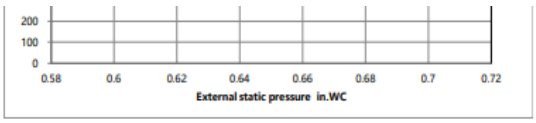

SP4
Air volume CFM
External static pressure in.WC
SH
H
M
L

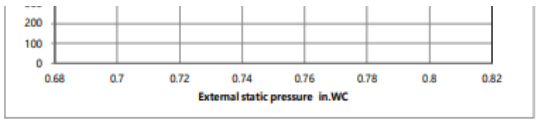

SP5
Air volume CFM
External static pressure in.WC
SH
H
M
L


SP6
Air volume CFM
External static pressure in.WC
SH
H
M
L


SP7
Air volume CBM
SH
H
M
L


SP8
Air volume CFM
SH
H
M
L





Constant air volume

