

R454b Refrigerant

SUBMITTAL DATA SHEET



Series Name: Entry Tier - INFINI L Series
Model Number: MSBNS-H18B-2A/MO1CS-H18B-2A

High Wall Mini Split 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)	471 / 400 / 330 / 271 / 271
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	49 / 45 / 38 / 23 / 19
Dimension (W×D×H)	inch 38-1/8 x 9-1/2 x 12-5/8
	mm 969 x 241 x 320
Package (W×D×H)	inch 41-1/8 x 12 x 16
	mm 1,045 x 305 x 405
Net/Gross Weight	lbs 25/33
	kg 11.5/14.9

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KSN140D21UFZ
Refrigerant	R454B
Refrigerant Oil Charge(mL)	440
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1,235
Outdoor Noise Level (dBA)	58.0
Dimension (W×D×H)	inch 31-3/4 x 13 x 21-3/4
	mm 805 x 330 x 554
Package (W×D×H)	inch 36 x 14-5/8 x 24-1/2
	mm 915 x 370 x 615
Net/Gross Weight	lbs 72/78
	kg 32.8/35.6

EFFICIENCY

Cooling		Heating	
SEER2	19	HSPF2-4	9.0
EER2	11	COP	3.08

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18,000
Min/Max Capacity	2,600 ~ 18,600
Moisture Removal(L/h)	2.5
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	18,800
1. @ 47°F Min/Max Capacity	6,100 ~ 19,200
2. @ 17°F Rated	11,700
3. @ 5°F Rated: Capacity / COP	11,500 / 1.99
3. @ 5°F Max: Capacity	11,500
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

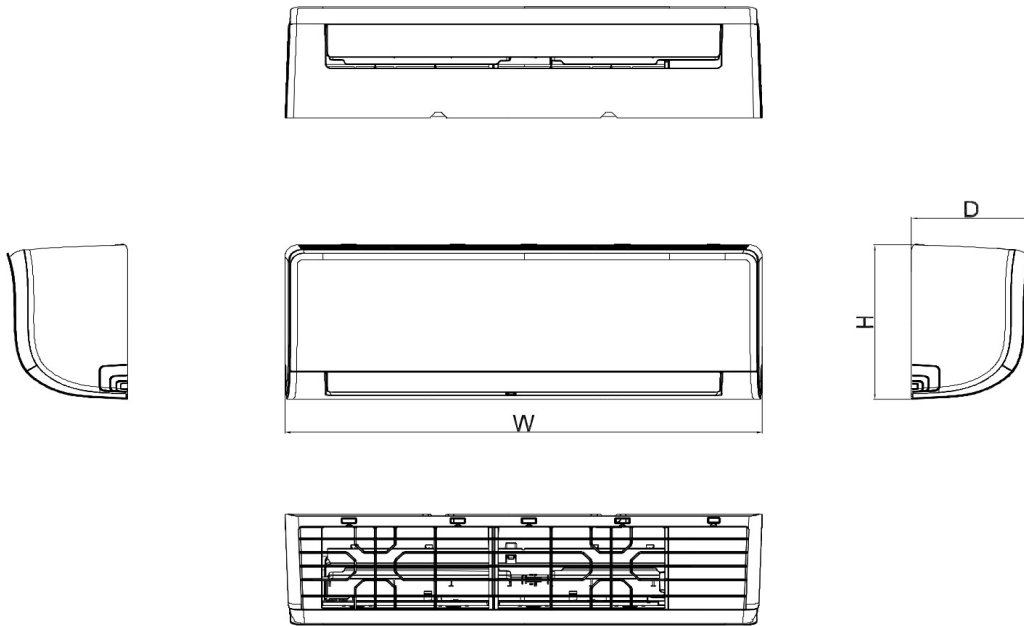
ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	15.0
Connection Wiring	AWG 14/4
System MOCP	20.0
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.4
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	1,640 (280 ~ 1,680)
System Power Input @ Heating (W)	1,790 (370 ~ 2,010)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

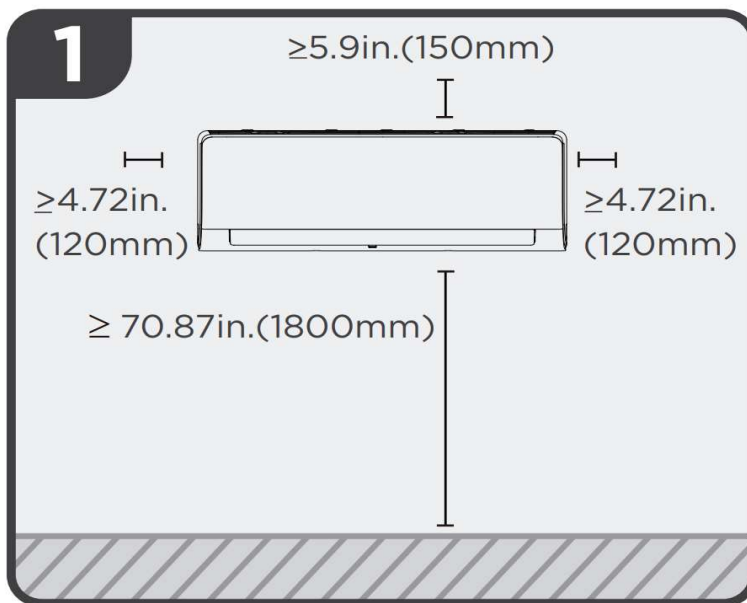
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	Capillary
Liquid Size	1/4" (6.35mm)
Gas Size	1/2" (12.7mm)
Max. Piping Length(ft/m)	98 (30)
Max. Height Difference(ft/m)	66 (20)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/g)	41 (1.15)
Additional Charge of Refrigerant((oz/ft)/(g/r	0.16 (15)
Connection Method	Flared

Indoor Unit Dimension



Capacity	Body Code	Unit	W	D	H
9k	A	mm	726	210	291
		inch	28-5/8	8-1/4	11-1/2
12k	B	mm	835	208	295
		inch	32-7/8	8-1/4	11-5/8
18k	C	mm	969	241	320
		inch	38-1/8	9-1/2	12-5/8
24k	D	mm	1083	244	336
		inch	42-5/8	9-5/8	13-1/4
30k~36k	F	mm	1259	283	362
		inch	49-5/8	11-1/8	14-1/4

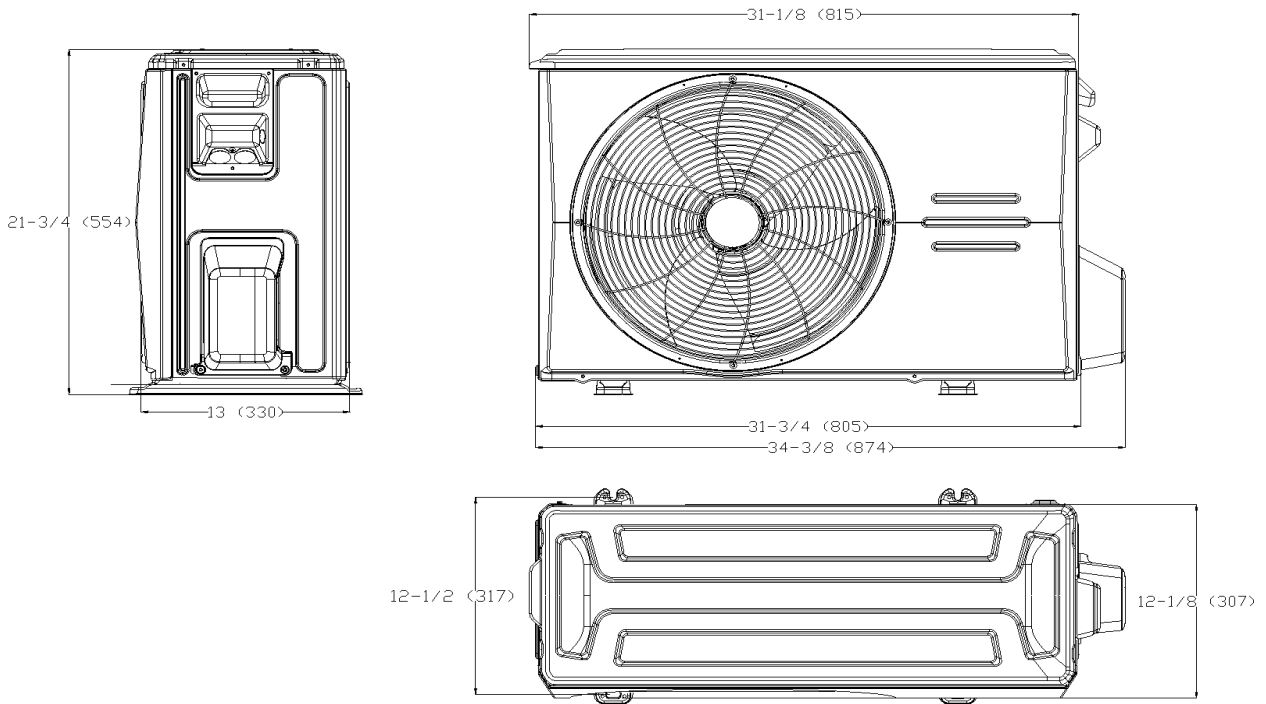
Installation Instruction



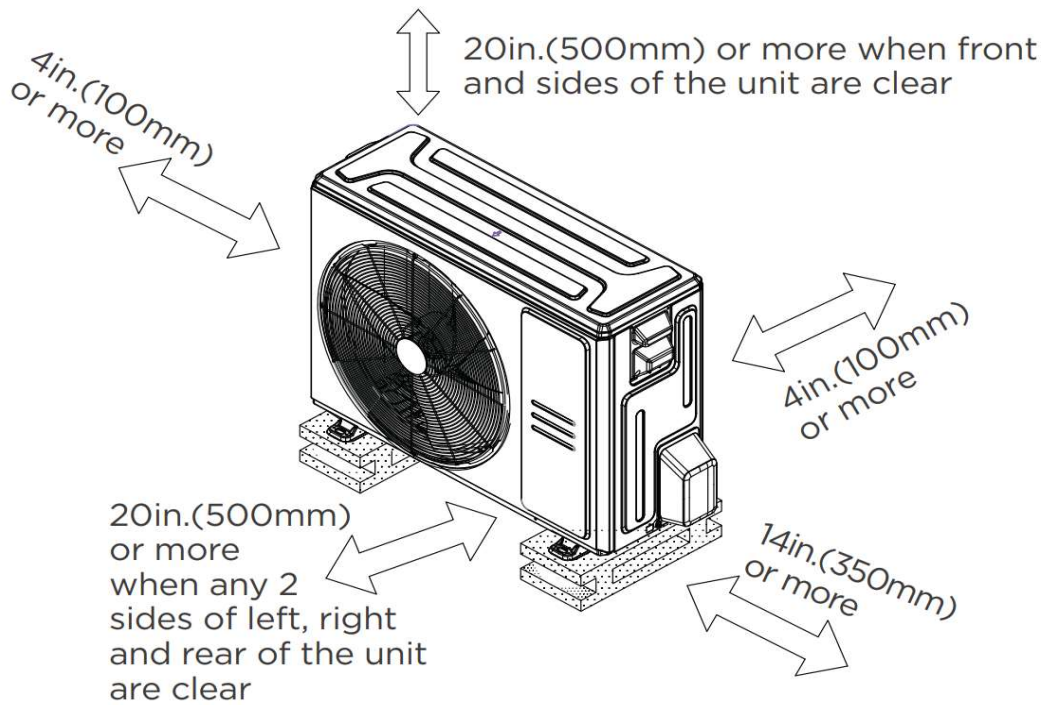
Select Installation Location

Outdoor Unit Dimension

Unit: inch (mm)



Installation Instruction



FEATURES

- Indoor unit: TU1 copper coil
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in Wi-Fi
- OTA(by using Wi-Fi dongle)
- Multiple control options available:
 - Two-way communication wired controller with built-in Wi-Fi:120N(X6W)
 - Midea Smart Thermostat : MTL04-1
 - Wireless remote controller RG10 (Built-In)
 - Third-Party 24V Thermostat*

*Midea 24V Mini Interface Kit (17222000A68532) is required.