



Indoor Unit:NDHAS26BB-09-I
Outdoor Unit:NDHAS26BA-09-O

9000 BTU/H (208/230V)

Wall Mounted Heat Pump System

High Wall Heat Pump System

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



INDOOR SPECIFICATION

Indoor Air Flow (Turbo/H/M/L) (CFM)		441.4 / 323.7 / 229.6 / 176.6 / 147.2
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		N/A/38/33/20.5/19.5
Dimension (W×D×H)	inch	33.40x9.18x11.76
	mm	848.4x233.2x300
Package (W×D×H)	inch	36.22x12.20x14.57
	mm	920x310x370
Net/Gross Weight	lbs	23.37/29.98
	kg	10.6/13.6

OUTDOOR SPECIFICATION

Compressor Type		ROTARY
Compressor Model		KTN110D42UFZ
Refrigerant		R454B
Refrigerant Oil Charge(mL)		350
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1470.6
Outdoor Noise Level (dBA)		56.0
Dimension (W×D×H)	inch	31.69 x 12.99 x 21.81
	mm	805.0×330.0×554.0
Package (W×D×H)	inch	36.02 x 14.57 x 24.21
	mm	915×370×615
Net/Gross Weight	lbs	72.75/78.70
	kg	33/35.7

EFFICIENCY

Cooling		Heating	
SEER2	27.4	HSPF2-4	12.5
EER2	15.4	COP	3.76

PERFORMANCE of Cooling

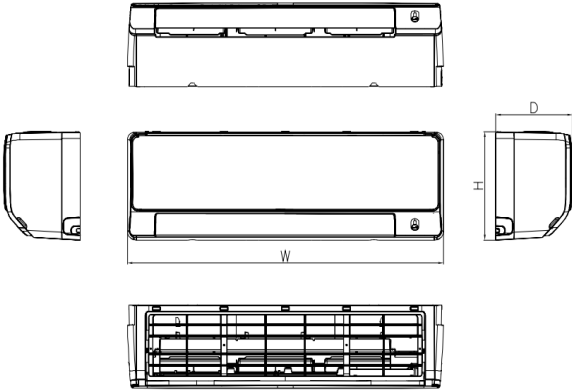
Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	3800~13500
Moisture Removal(L/h)	0.3
Standard Operating Range(°F/°C)	-22~122(-30 ~ 50)
Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

ELECTRICAL

Power Supply	208/230V,60Hz,1Ph
System MCA	15.0
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	10.4
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	580(127 ~ 1180)
System Power Input @ Heating (W)	935(225 ~1400)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

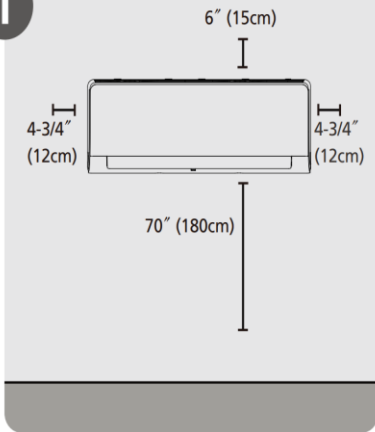
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	12000
1. @ 47°F Min/Max Capacity	3800~16000
2. @ 17°F Rated	12000
3. @ 5°F Rated: Capacity / COP	11500/1.80
3. @ 5°F Max: Capacity	11500
Standard Operating Range(°F/°C)	-22~75(-30 ~ 24)
1. Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F 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
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft)	82.00
Max. Piping Length(m)	25.00
Max. Height Difference(ft)	49.20
Max. Height Difference(m)	15.00
Max. Pre-charged Length(ft)	24.60
Max. Pre-charged Length(m)	7.50
Refrigerant Pre-charged Amount(oz/kg)	35.27(1)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

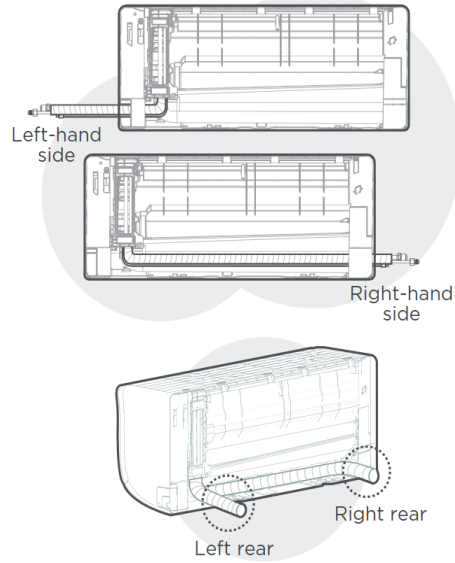
Indoor Unit Dimension					
					
Capacity	Body Code	Unit	W	D	H
6k~12k	B	mm	848	233	300
		inch	33-3/8	9-1/8	11-3/4
18k~24k	C	mm	1017	248	319
		inch	40	9-3/4	12-1/2
24k~36k	D	mm	1190	285	371
		inch	46-7/8	11-1/4	14-5/8

Installation Instruction

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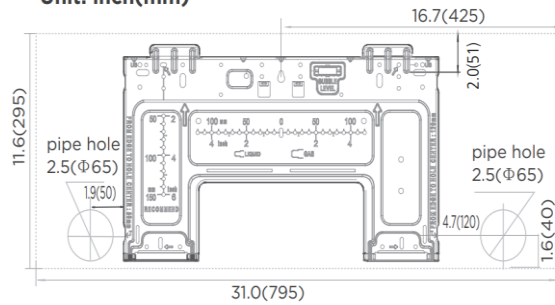


Select Installation Location



NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

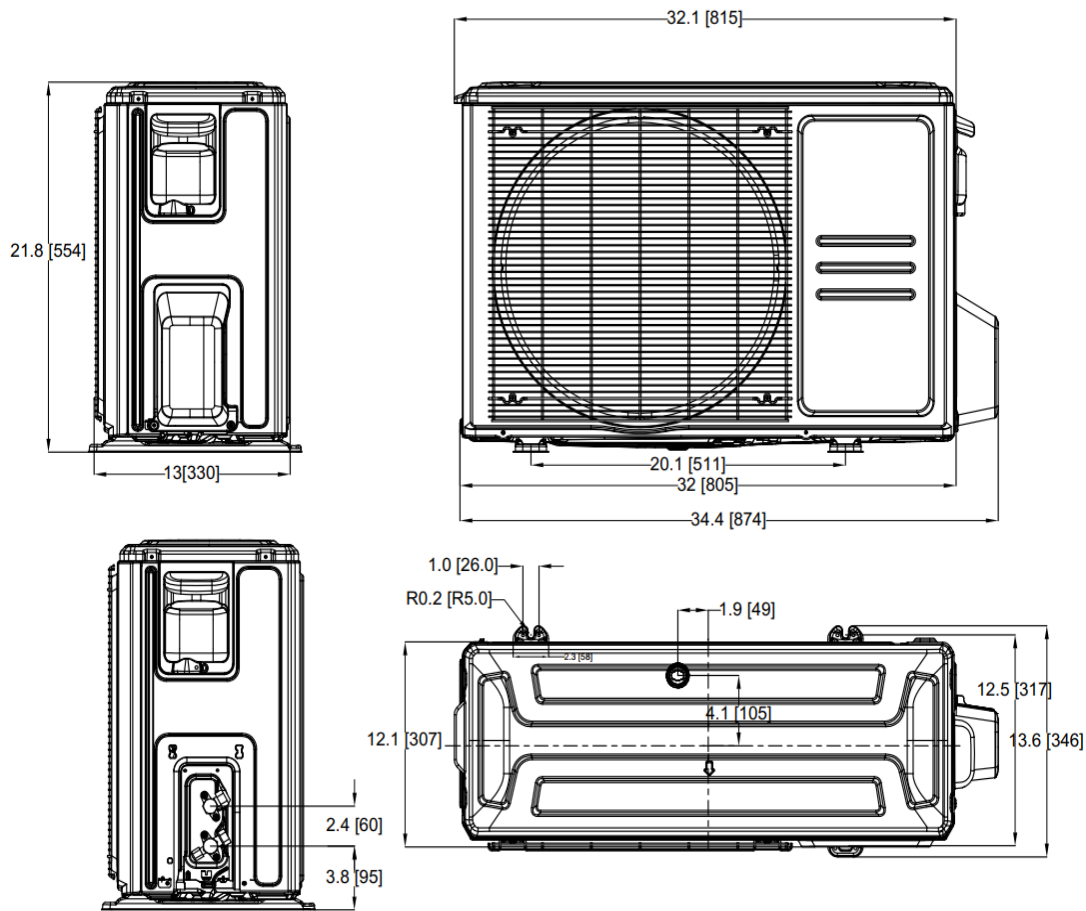
Unit: inch(mm)



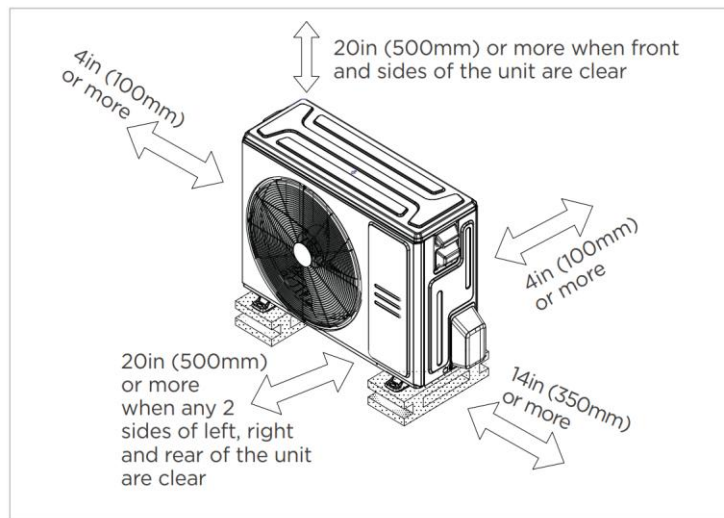
NOTE:

When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Outdoor Unit Dimension



Installation Instruction



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

FEATURES

- Intelligent eye
- Easy maintenance design
- Indoor unit TU1 copper coil
- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle
- OTA(by using WiFi dongle)
- Multiple control options available:
 - Wireless remote controller
 - Optional wired controller: 120L
 - Third-Party 24V Thermostat*

*24V interface is required.