

Floor Console Premium Series



Indoor Unit : NDHASCBB-12
Outdoor model: NDHAS22BA-12-O

Console 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)	441.4 / 376.7 / 323.7 / 188.4 / 129.5
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	42/39/34.5/29.5/23.5
Dimension (W×D×H)	inch: 31.26 x 7.87 x 24.45 mm: 794.0×200.0×621.0
Package (W×D×H)	inch: 34.06 x 11.02 x 28.31 mm: 865×280×719
Net/Gross Weight	lbs: 32.85/41.89 kg: 14.9/19

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KSK103D33UEZ3
Refrigerant	R454B
Refrigerant Oil Charge(mL)	310
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1236.1
Outdoor Noise Level (dBA)	54.5
Dimension (W×D×H)	inch: 30.12 x 11.93 x 21.85 mm: 765.0×303.0×555.0
Package (W×D×H)	inch: 34.92 x 13.27 x 24.02 mm: 887×337×610
Net/Gross Weight	lbs: 62.17/67.68 kg: 28.2/30.7

EFFICIENCY

Cooling	Heating
SEER2	HSPF2-4
EER2	COP
24.6	11.0
12.7	3.90

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	4000~13100
Moisture Removal(L/h)	1.28
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	12000
1. @ 47°F Min/Max Capacity	5100~12900
2. @ 17°F Rated	9000
3. @ 5°F Rated: Capacity / COP	8900/2.50
3. @ 5°F Max: Capacity	8900
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

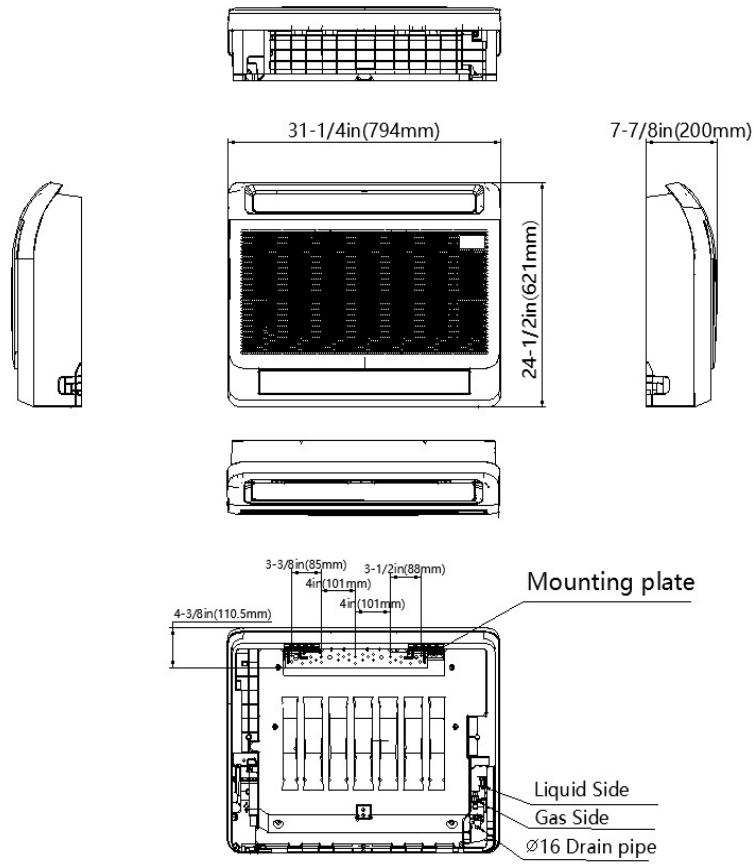
ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	12.00
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	7.3
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	13
System Power Input @ Cooling (W)	960(200 ~ 1140)
System Power Input @ Heating (W)	897(265 ~ 1200)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

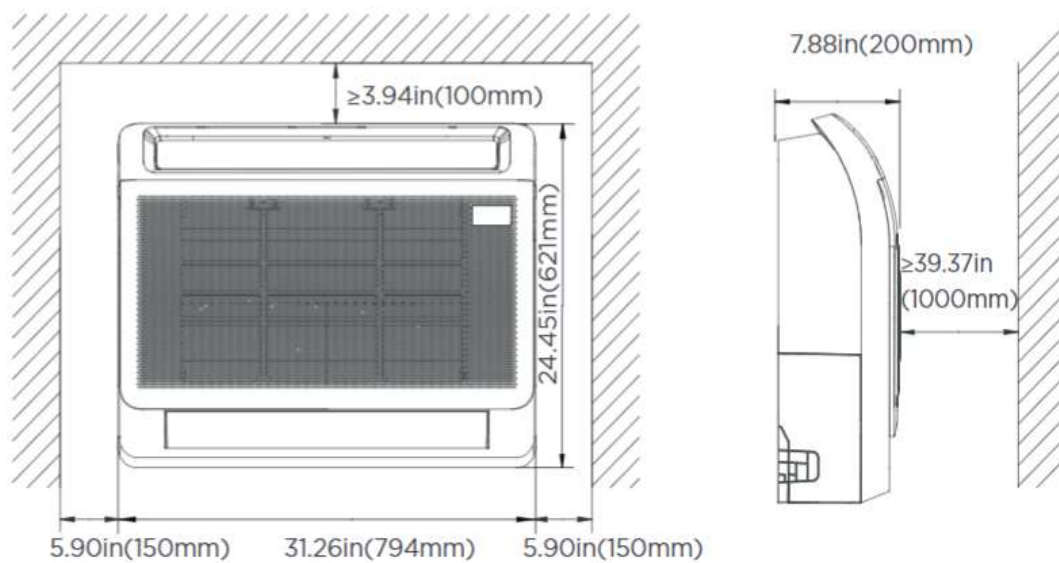
PIPING

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	32.45(0.92)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

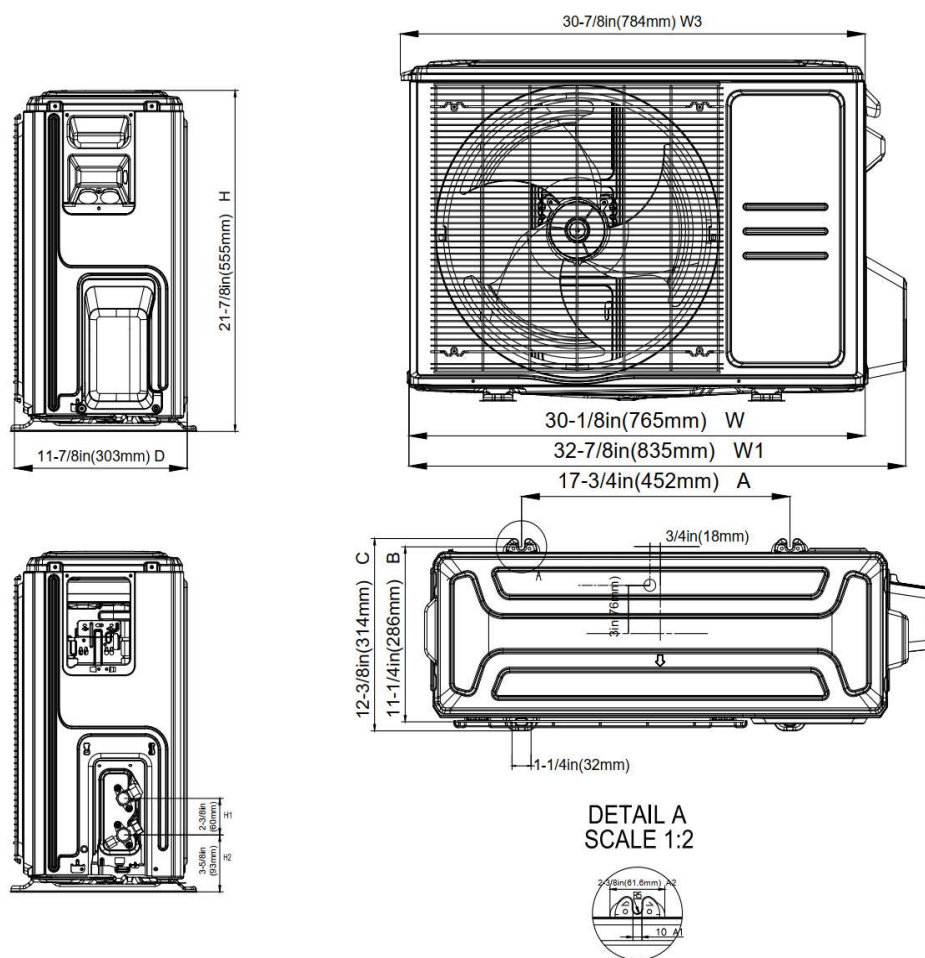
Indoor Unit Dimension



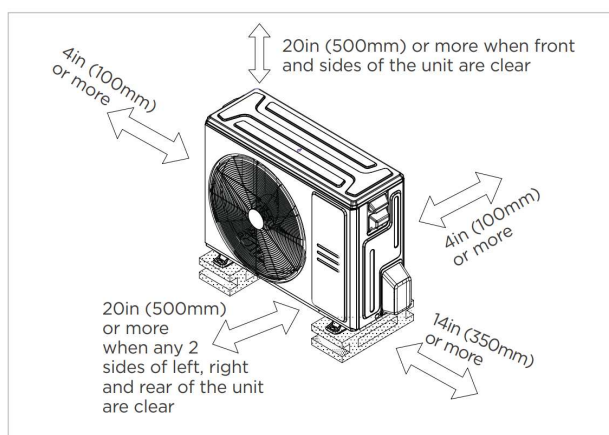
Installation Instruction



Outdoor Unit Dimension



Installation Instruction



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

FEATURES

- Compact Design
- Dual Air Outlets
- Refrigerant leakage detection sensor
- Humidity sensor
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- Multiple control options available:
 - Infrared wired controller: 120L
 - Wireless remote controller
 - Third-Party 24V Thermostat*

*24V interface is required.