

Submittal Data Sheet

Submittal data model no. NDHAS22-24-I/ NDHAS22-24-O
24,000 BTU/H (208/230V) WALL MOUNTED HEAT PUMP SYSTEM

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

Set Model:

Indoor Unit Model No.
NDHAS22-24-I

Outdoor Unit Model No.
NDHAS22-24-O

Certified: AHRI, UL



System Performance Data

Power Supply

Normal Operational Voltage (V, Ph, Hz) 208/230V, 1Ph,60Hz

Voltage Range (V) 187-253

Electrical

Minimum Circuit Ampacity (A) 22.0

Max. Fuse (A) 30.0

Connection Wiring 16*4 AWG

Cooling

Rated Capacity (Btu/h) 24,000

Capacity Range (Btu/h) 9200-25,000

Power Input (Max) (W) 1846

Rated Current (A) 8.02

SEER (Btu/W) 21

EER (Btu/W) 13

Heating at 47F

Rated Capacity (Btu/h) 26,000

Capacity Range (Btu/h) 10,350 - 26,410

Power Input (Max) (W) 2420

Rated Current (A) 10.35

HSPF4 10

HSPF5 8.5

COP 3.15

Heating at 17F

Max Capacity (Btu/h) 19,960

Refrigerant Pipe Data

Design Pressure (PSIG)	550/340
Refrigerant Type / Oz	R410A/82.89oz
Refrigerant pre-charge (ft/m)	25.0 / 7.6
Additional charge per ft. (oz/ft)(g/ft)	0.32 / 30
Liquid side/Gas side (in/mm)	3/8" - 5/8" / 9.52 / 15.9
Max. pipe length (ft/m)	164.0 / 50.0
Max. difference in level (ft/m)	82.0 / 25.0
Connection method	Flared

Indoor (Cooling/Heating) (°F | °C) 60-90°F / 32-86°F | 16-32°C / 0-30°C

Outdoor (Cooling/Heating) (°F | °C) -22-122°F / -22-75°F | -30-50°C / -30-24°C

Application Area (Sq.ft) 344.44 - 505.90

Indoor Unit Data

Indoor fan motor

Type	Cross-Flow
Model	ZKFP-58-8-1-5
Qty	1
Input (W)	58.0
RLA (A)	-
LRA (A)	-
Winding Resistance (Ω)	-
Capacitor (uF)	-
Speed - r/min (Hi/Med/Lo)	1200/1080/600

Air flow & Noise level

Indoor air flow CFM (Hi/Med/Lo) 601.18/458.82/382.35

Indoor noise level Db (Hi/Med/Lo) 48/40/28

Dehumidification (Pint/h) -

Indoor Unit Dimensions (in / mm)

Unit (WxDxH) 42.60 x 9.21 x 13.27" 1082 x 234 x 337 mm

Packing (WxDxH) 45.47 x 16.34 x 12.40" 1155 x 415 x 315 mm

Net/Gross Weight (lbs./kg) 29.98 / 38.14 lbs 13.6 / 17.3 kg

Outdoor Unit Data

Compressor

Type	Dual Rotary
Model	KSN240D43UKT
Brand	GMCC
Capacity (Btu/h)	25932.27641
Input(w)	2045
Rated current (RLA) (A)	-
Refrigerant oil/oil charge (ml)	-
Throttle	Capillary + EXV

Outdoor fan motor

Model	ZKFN-120-8-2
Qty	1
Input (W)	-
RLA (A)	-
Speed (r/min)	900/810/450/360

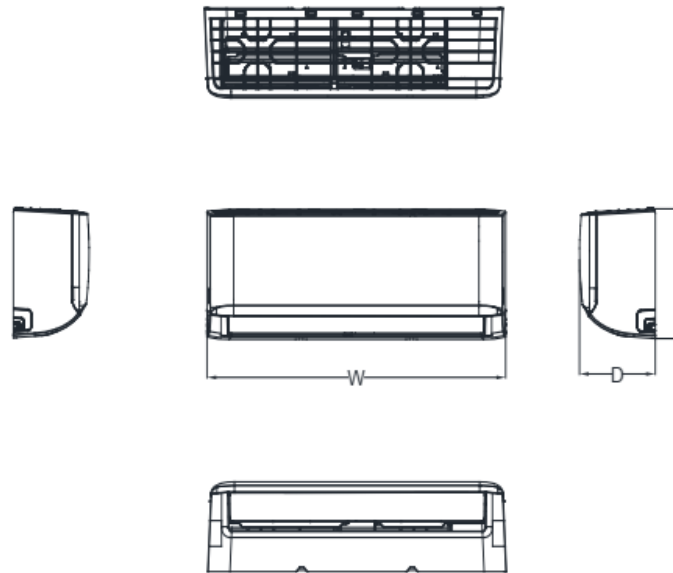
Air flow & Noise level

Outdoor air flow (Max.) (CFM) 2235.30

Outdoor noise level (dB(A)) 60

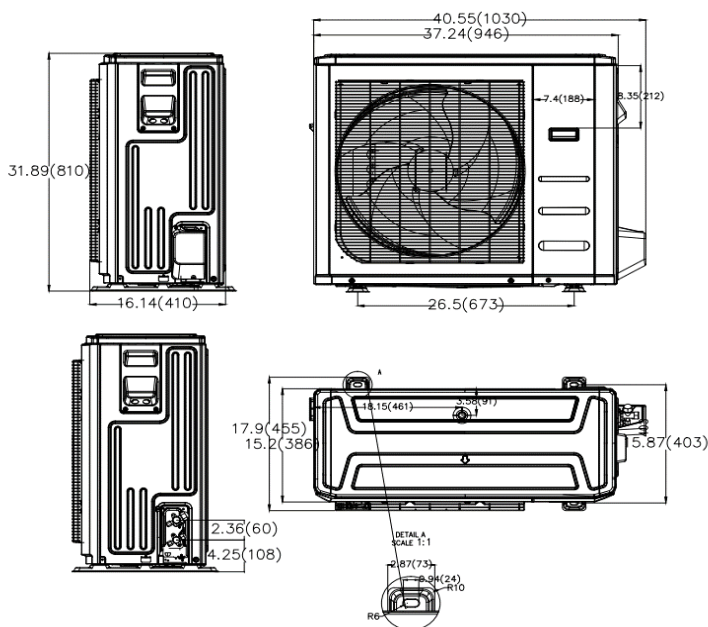


Indoor Unit Dimensions:



Capacity	Body Code	W (mm/inch)	D (mm/inch)	H (mm/inch)
12K - 21K	C	971 / 38.23	228 / 8.98	321 / 12.64
18K - 28K	D	1082 / 42.6	234 / 9.21	337 / 13.27
27K - 36K	F	1259 / 49.57	283 / 11.14	362 / 14.25

Outdoor Unit Dimensions:



General Features:

- Wireless remote with LCD display
- 46°F Heating
- Silent Mode
- Self Clean
- Sleep Mode
- Follow Me (Optional)

Outdoor Unit Dimensions (in/mm)

Unit (WxDxH)	37.24 x 16.14 x 31.89"	946 x 410 x 810 mm
Packing (WxDxH)	42.91 x 19.69 x 34.84"	1090 x 500 x 885 mm
Net/Gross Weight (lbs./kg)	124.78 / 134.92 lbs	56.6 / 61.2 kg

