



CORE

— STANDARD SERIES

SUBMITTAL DATA SHEET

High-Wall Heat Pump System

Series Name: Core Standard Series
Indoor Model: DCS09W2A1
Outdoor Model: DCS091H2A1

Location:

Engineer:

Submitted To:

Submitted By:

Reference:

Approval:

Date:

Construction:

Unit No.:

Drawing No.:



INDOOR SPECIFICATIONS

Air Flow (CFM) (Turbo/H/M/L/Si)	312.0 / 294.3 / 241.3 / 176.6 / N/A
Noise Level (dBA) (Turbo/H/M/L/Si)	41.5 / 34.5 / 26.5 / 19
Dimension (W×D×H)	28.15 x 7.64 x 11.22 in. 715.0 x 194.0 x 285.0 mm
Package (W×D×H)	30.71 x 10.63 x 14.37 in. 780 x 270 x 365 mm
Net / Gross Weight	17.42 lbs. / 23.15 lbs. 7.9 kg / 10.5 kg

OUTDOOR SPECIFICATIONS

Compressor Type	ROTARY
Compressor Model	KSK103D33UEZ3
Refrigerant	R454B
Refrigerant Oil Charge	310 mL
Refrigerant Oil	VG74
Air Flow (CFM) (Max)	1058.8
Noise Level (dBA)	54.5
Dimension (W×D×H)	28.35 x 10.63 x 19.49 in. 720.0 x 270.0 x 495.0 mm
Package (W×D×H)	32.87 x 11.81 x 21.26 in. 835 x 300 x 540 mm
Net / Gross Weight	51.59 lbs. / 56.0 lbs. 23.4 kg / 25.4 kg

FEATURES

- Indoor Unit TU1 Copper Coil
- 1–100% Fan Speed Control
- Wi-Fi Capability via Wi-Fi Dongle
- Wireless Remote Control

COOLING EFFICIENCY		HEATING EFFICIENCY	
SEER2	19.0	HSPF2-4	9.7
EER2	10.9	COP	3.37

COOLING PERFORMANCE¹ (Btu/hr)

Rated Capacity	9000
Min/Max Capacity	3600~12500
Moisture Removal (L/h)	1.2
Standard Operating Range	5~122°F / -15~50°C

1 Conditions: Indoor: 80°F DB / 67°F WB
Outdoor: 95°F DB / 75°F WB

HEATING PERFORMANCE (Btu/hr)

@ 47°F Rated ¹	10000
@ 47°F Min/Max Capacity ¹	3800~12400
@ 17°F Rated (H32) ²	8000
@ 5°F Rated / COP (H42) ³	7000/2.15
@ 5°F Max Capacity ³	7000
Standard Operating Range	5~72°F / -15~24°C

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	10.0
Connection Wiring	14# x 4
System MOC ^P	15
Compressor RLA	6.6
Outdoor Fan Motor RLA	0.3
Outdoor Fan Motor W	25
Indoor Fan Motor RLA	0.4
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	857 (306 ~ 1345)
System Power Input @ Heating (W)	896 (240 ~ 1160)

MCA: Min. Circuit Amps (A) MOC^P: Max. Over Current Protection (A)
RLA: Rated Load Amps (A) W: Fan Motor Rated Output (W)

PIPING

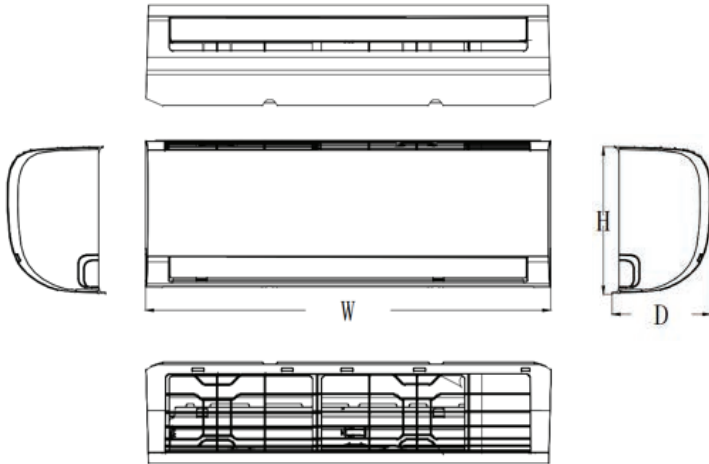
Throttle Type (Indoor)	N/A
Throttle Type (Outdoor)	Capillary
Liquid Size	1/4 in. (6.35mm)
Gas Size	3/8 in. (9.52mm)
Max. Piping Length	82.00 ft. (25m)
Max. Height Difference	49.20 ft. (15m)
Max. Factory Charge Line Set Length	24.6 ft. (7.5m)
Factory Refrigerant Charge	20.46 oz. (0.58g)
Additional Refrigerant Charge / Ft. Beyond 24.6 ft.	0.16 oz./ft. (15g/m)
Connection Method	Flared

Note: Minimum line set length is 10 feet.

HIGH-WALL HEAT PUMP SYSTEM

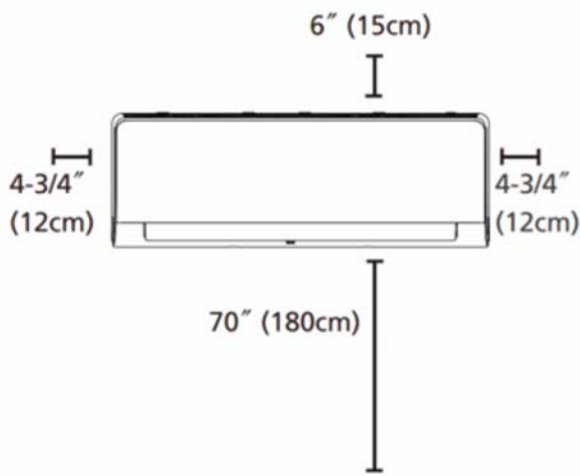
INDOOR MODEL: DCS09W2A1 | OUTDOOR MODEL: DCS091H2A1

Indoor Unit Dimensions

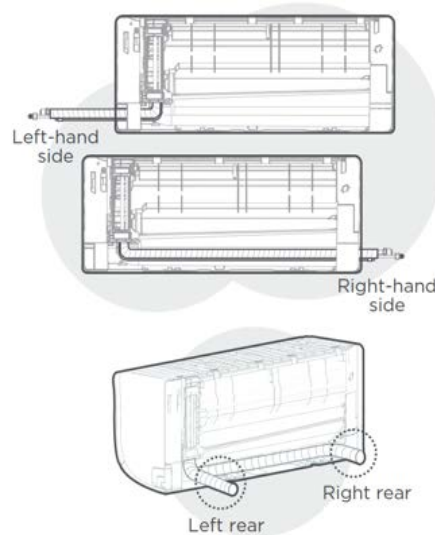


Capacity	Body Code	W	D	H
9K - 115V	A	28-1/8 in.	7-5/8 in.	11-1/4 in.
		715 mm	194 mm	285 mm
9K & 12K	B	31-3/4 in.	7-5/8 in.	11-1/4 in.
		805 mm	194 mm	285 mm
18K	C	37-5/8 in.	8-3/8 in.	11-7/8 in.
		957 mm	213 mm	327 mm
24K	D	41 in.	8-5/8 in.	12-7/8 in.
		1040 mm	220 mm	327 mm

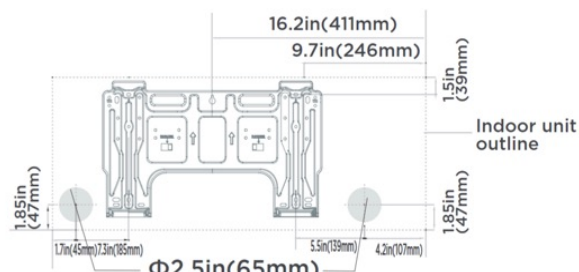
Installation Instructions



Installation Clearance Requirements



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.



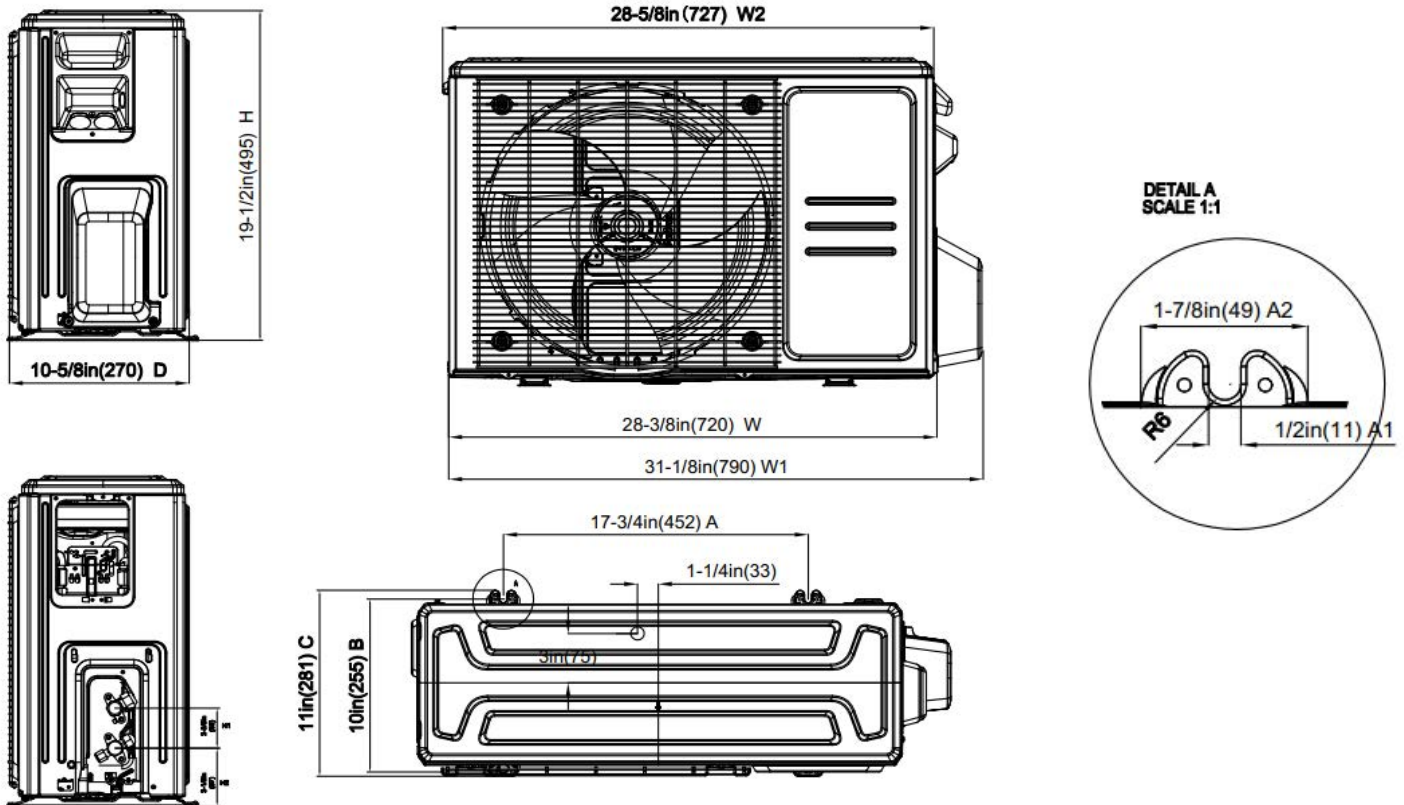
Indoor unit dimensions:
31.7in(805mm)x11.2in(285mm)

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

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Outdoor Unit Dimensions



Installation Clearance Requirements

