

# SUBMITTAL DATA SHEET



Series Name: ROUND FLOW CASSETTE Series  
Model Number: DLFSCAH12XAK/DLCSRBH12AAK

## Wall Mounted Heat Pump System

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



## INDOOR SPECIFICATION

Indoor Air Flow (H/M/L) (CFM)	//335.29/282.35/241.18	
Indoor Noise Level (H/M/L) (dBA)	40.5/35.5/31.5	
Dimension (W×D×H)	inch	22-1/2x22-1/2x10-1/4
	mm	570x570x260
Package (W×D×H)	inch	26x26x12-1/2
	mm	662x662x317
Net/Gross Weight	kg	16/18.6
	lbs	35.27/41.01

## OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Refrigerant	R410A	
Factory Charge	350ml	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1324	
Outdoor Noise Level (dBA)	56	
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 24-1/4
	mm	915 x 370 x 615
Net/Gross Weight	kg	74/79
	lbs	33.4/36

## EFFICIENCY

Cooling		Heating	
SEER2	22.3	HSPF2-4	10.2
EER2	12.7	COP	3.26

## PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	3000~13700
Moisture Removal	1.69 L/H
Standard Operating Range	-22°F~122°F (-30°C~50°C)
Rated Cooling 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 (Min/Max)	12000(2000~15300)
2. @ 17°F Rated	14000
3. @ 5°F Max: Capacity / COP	11300 / 1.89
Standard Operating Range	-22°F~75°F (-30°C~24°C)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

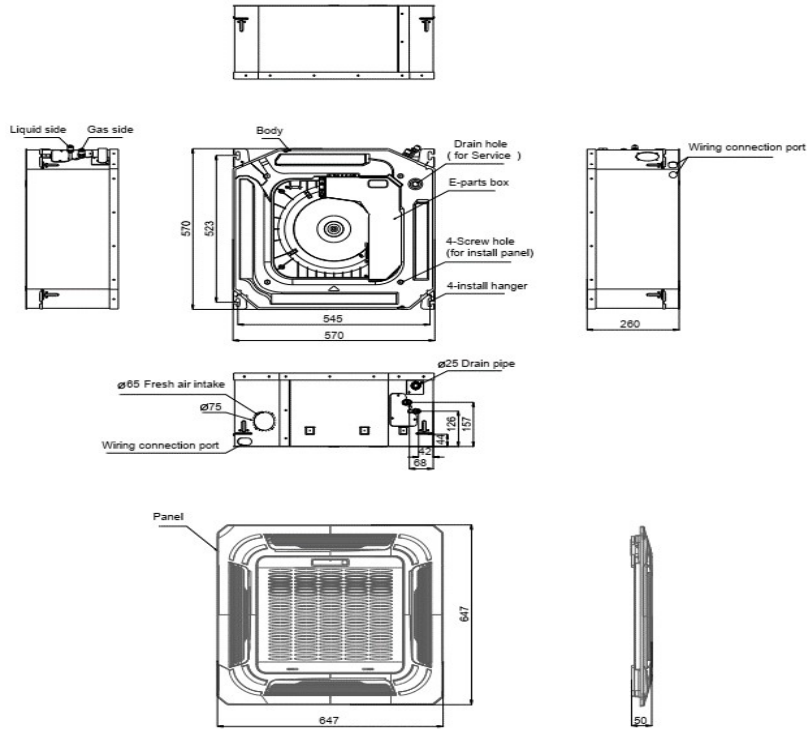
## ELECTRICAL

Power Supply	208/230V, 1Ph, 60Hz
System MCA	15
Connection Wiring	AWG 14-4
System MOCP	15
Compressor RLA	8.8
Outdoor Fan Motor RLA	0.4
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0
Indoor Fan Motor W	45
System Power Input @ Cooling (W)	945(162~1350)
System Power Input @ Heating (W)	1080(146~1350)
Recommended breaker size(A)	15
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

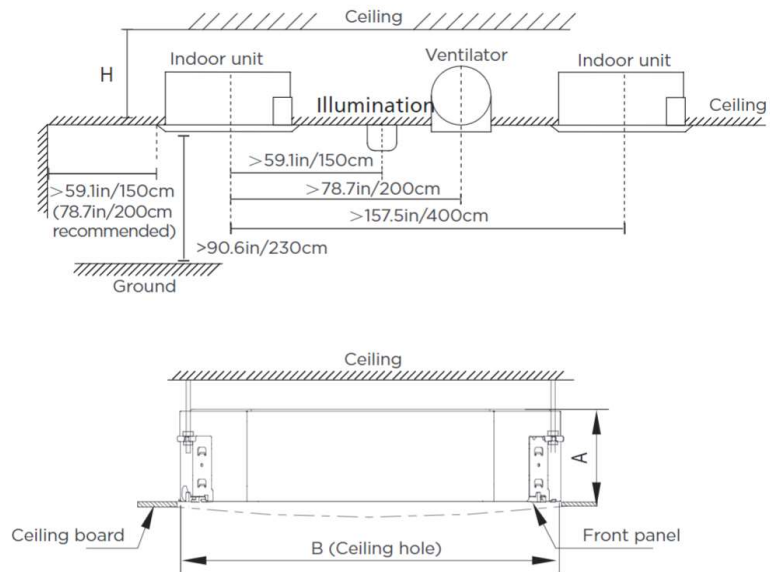
## PIPING

Liquid Size	1/4in (6.35mm)
Gas Size	1/2in (12.7mm)
Drain Size	5/8in (15.88mm)
Max. Piping Length	82ft (25m)
Max. Height Difference	32.8ft (10m)
Max. Pre-charged Length	25ft (7.5m)
Refrigerant Pre-charged Amount	41.62oz (1180g)
Additional Charge of Refrigerant	0.16oz/ft (15g/m)
Connection Method	Flared

## Indoor Unit Dimension



## Installation Instruction

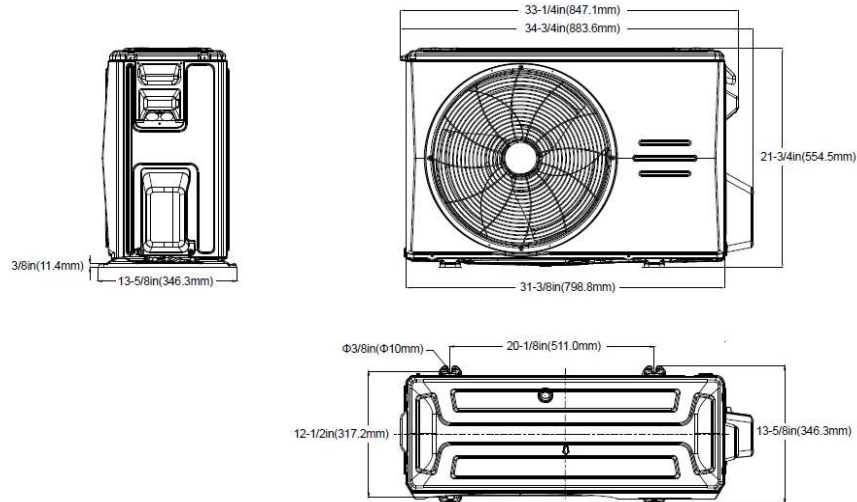


Distance from ceiling relative to height of indoor unit

MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9.6in (245mm)	>10.8in (275mm)	23.6in (600mm)
24K	9.03in (225mm)	9.06in (230mm)	

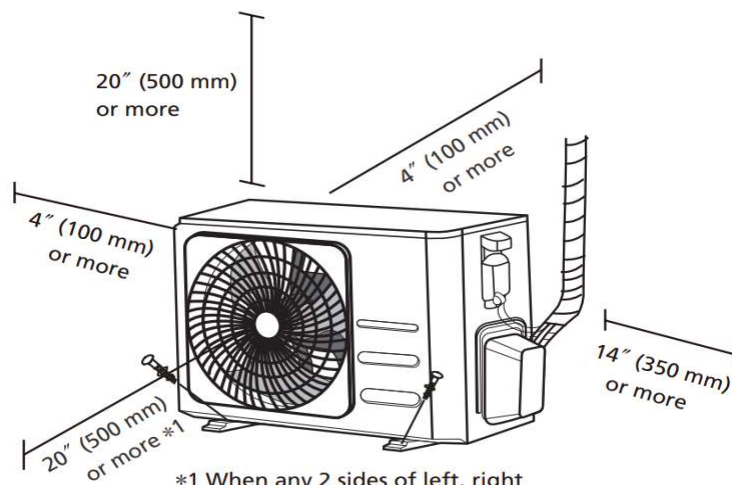
24K	8.03in (205mm)	9.06in (230mm)	35.4in (900mm)
36K	9.65in (245mm)	10.7in (271mm)	
48K	11.3in (287mm)	12.3in (313mm)	

#### Outdoor Unit Dimension



#### Installation Instruction

Install the unit by following local codes and regulations , there may be differ slightly between different regions.



\*1 When any 2 sides of left, right and rear of the unit are clear