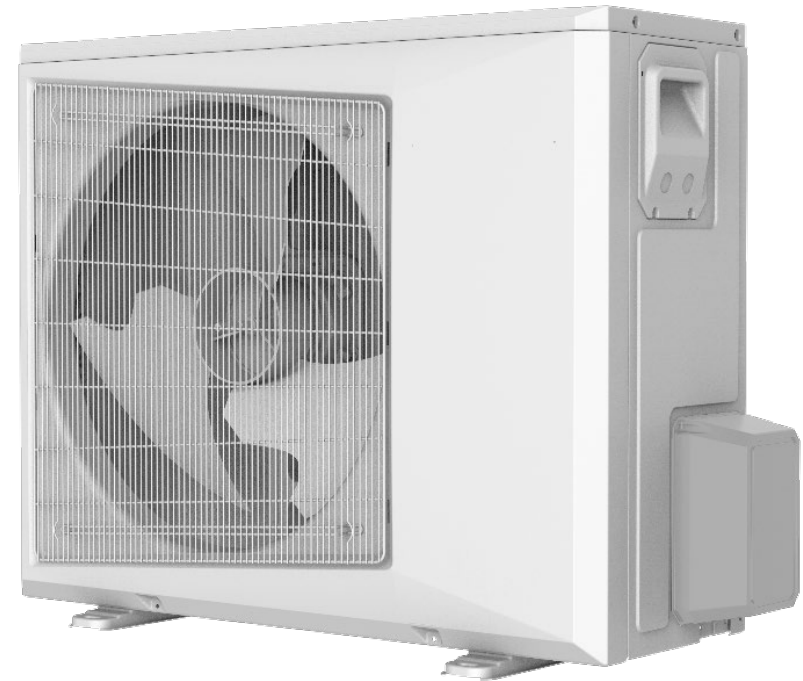
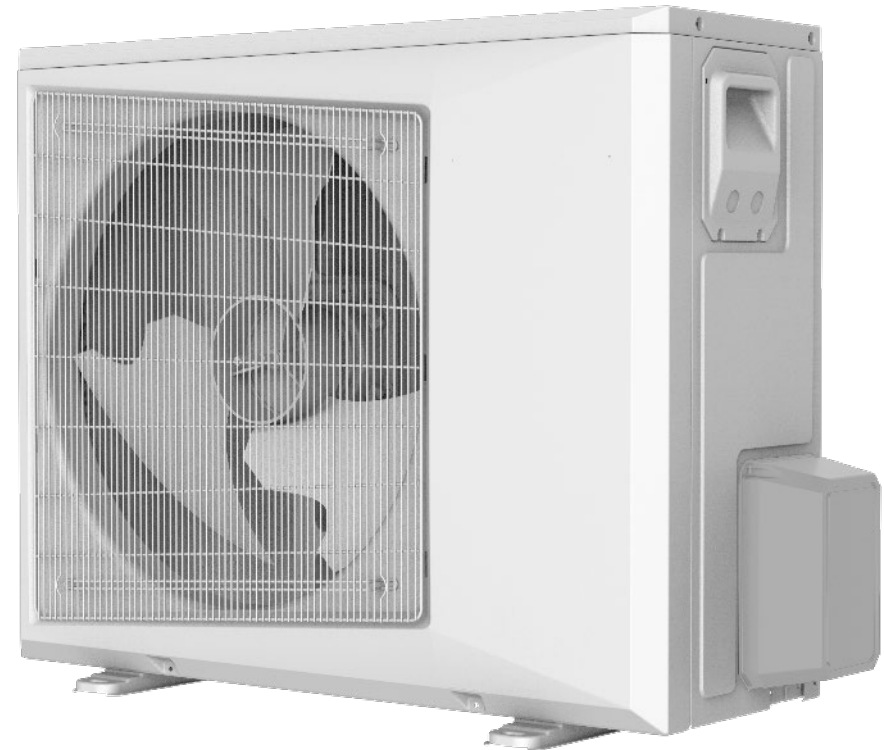


18 SEER SIDE DISCHARGE UNITS



Content

- Capacity Range
- Basic Parameters
- Features



Basic Parameter

PERFORMANCE					
ODU + AHU	Size		24K	30K	36K
	Cooling System Tons		2	2.5	3
	Cooling Rated Capacity	Btu/h	23000	30000	36000
	SEER		19	18	18
	EER	W/W	12.5	12.2	10.5
	Heating Rated Capacity (47°F)	Btu/h	23400	29600	36000
	Heating Rated Capacity (17°F)	Btu/h	15400	19000	21000
	Heating Maximum Capacity (17°F)	Btu/h	25100	24500	37600
	Heating Maximum Capacity (5°F)	Btu/h	16300	21000	22000
	Heating Maximum Capacity (-13°F)	Btu/h	10630	14600	15000
	HSPF		10.0	10	10.0
	COP (47°F)	W/W	4.05	3.45	3.55
	COP (17°F)	W/W	2.75	2.56	2.51
	COP (5°F)	W/W	2.39	2.31	2.0

Basic Parameter

SPECIFICATION - ODU					
ODU	SIZE		24K	30K	36K
	OUTDOOR MODEL		CS4H-24S-1-18I	CS4H-30S-1-18I	CS4H-36S-1-18I
	Voltage, Phase, Cycle	V/N/Hz	208/230-1-60	208/230-1-60	208/230-1-60
	Capacity	Btu/h	23000	36000	36000
	Cooling Outdoor DB Min-Max	°F (°C)	50~131 (10~55)	50~131 (10~55)	50~131 (10~55)
	Heating Outdoor DB Min-Max	°F (°C)	-13~86(-25~30)	-13~86(-25~30)	-13~86(-25~30)
	Total Piping Length	ft (m)	98 (30)	98 (30)	98 (30)
	Piping Lift	ft (m)	49 (15)	49 (15)	49 (15)
	Pipe Connection Size-Liquid	in (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Pipe Connection Size-Suction	in (mm)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)
	Dimension(W×H×D)	mm	1032X810X445	1032X810X445	1032X810X445
	Airflow	CFM	2411	2411	2411

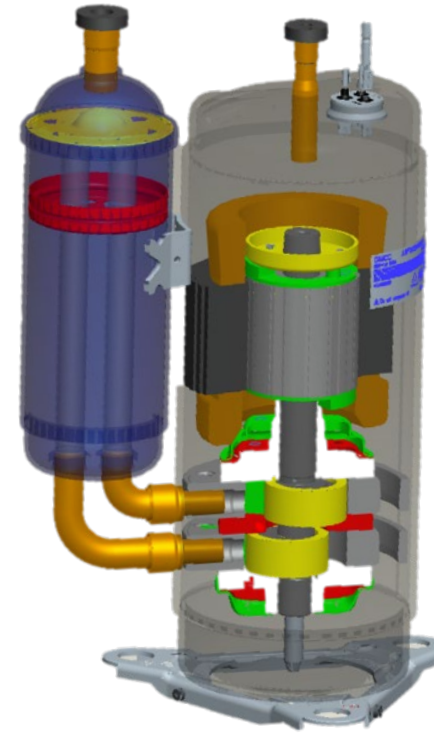
Basic Parameter

SPECIFICATION - IDU				
IDU	SIZE		24K	36K
	INDOOR MODEL		CAH4-24MBEE1-18	CAH4-36MBEE1-18
	Voltage, Phase, Cycle	V/N/Hz	208/230-1-60	208/230-1-60
	Capacity	Btu/h	23000	36000
	Control method		24V	24V
	Airflow	CFM	780	1050
	Sound Pressure	dB(A)	45	47
	Max. Static Pressure	In.WG.	0.1	0.15
	Pipe Connection Size- Liquid	in (mm)	3/8" (9.52)	3/8" (9.52)
	Pipe Connection Size- Suction	in (mm)	3/4" (19.05)	3/4" (19.05)
	Dimension(W×H×D)	mm	500X1162X560	500X1162X560
	Net Weight	lbs (kg)	126 (57)	126 (57)

Features

High Pressure Ratio Compressor:

- ◆ 24/30/36K are using **GMCC** compressor
- ◆ High pressure ratio variable speed compressor run stably at -13°F low ambient temperature.



GMCC

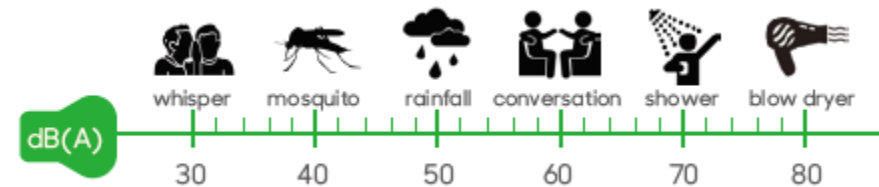
Features

High Efficiency Fan Motor:

- ◆ 24K-36K outdoor units adopt AC motor
- ◆ Low noise and high efficiency
- ◆ Brushless with built-in sensor

Low noise:

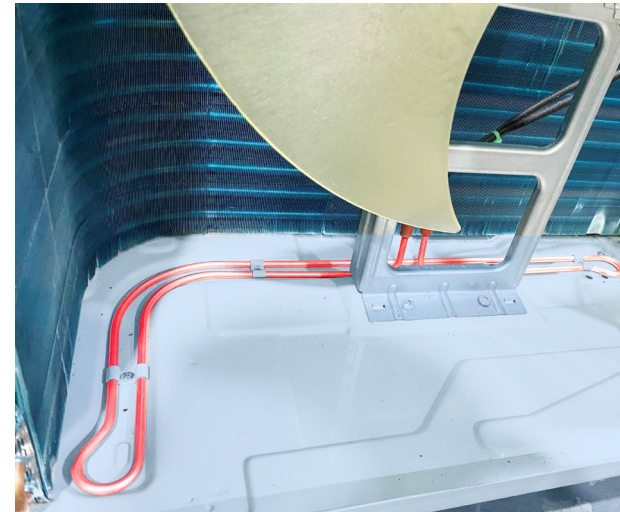
- ◆ Quiet 54-58dB(a) operation



Features

Basepan Heater:

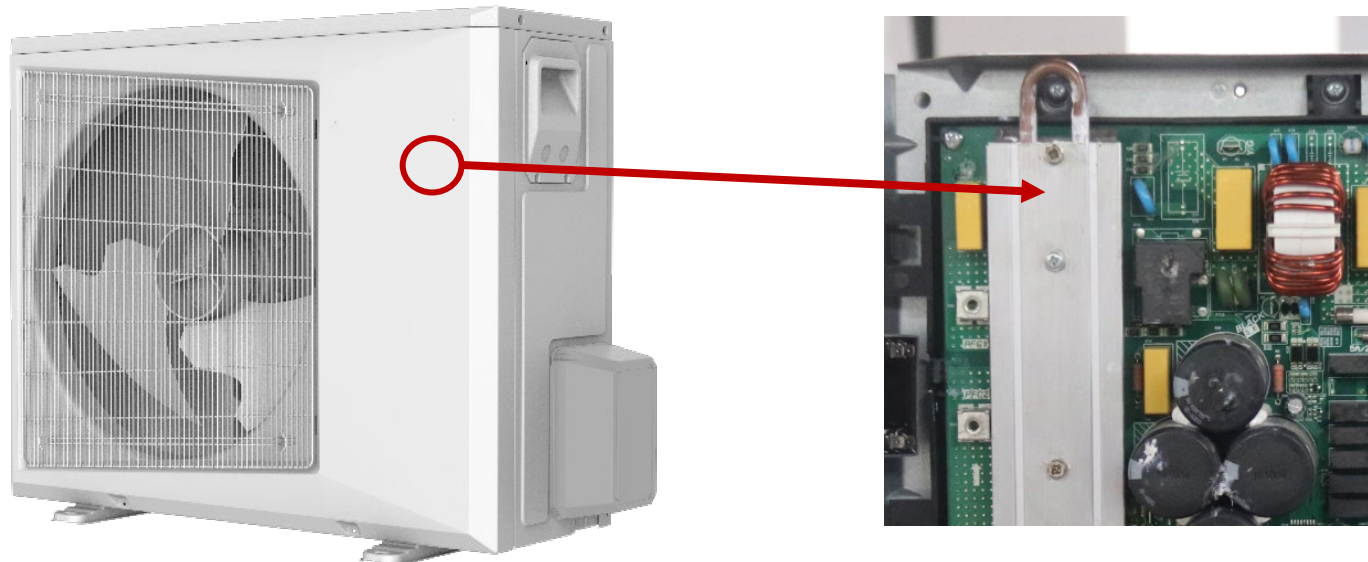
- ◆ When in heating state in winter, ice will form on the basepan.
- ◆ In order to ensure the normal operation, the built-in basepan heater is necessary.



Features

Refrigerant Cooling PCB:

- ◆ Refrigerant cooling PCB design greatly increase the PCB life.

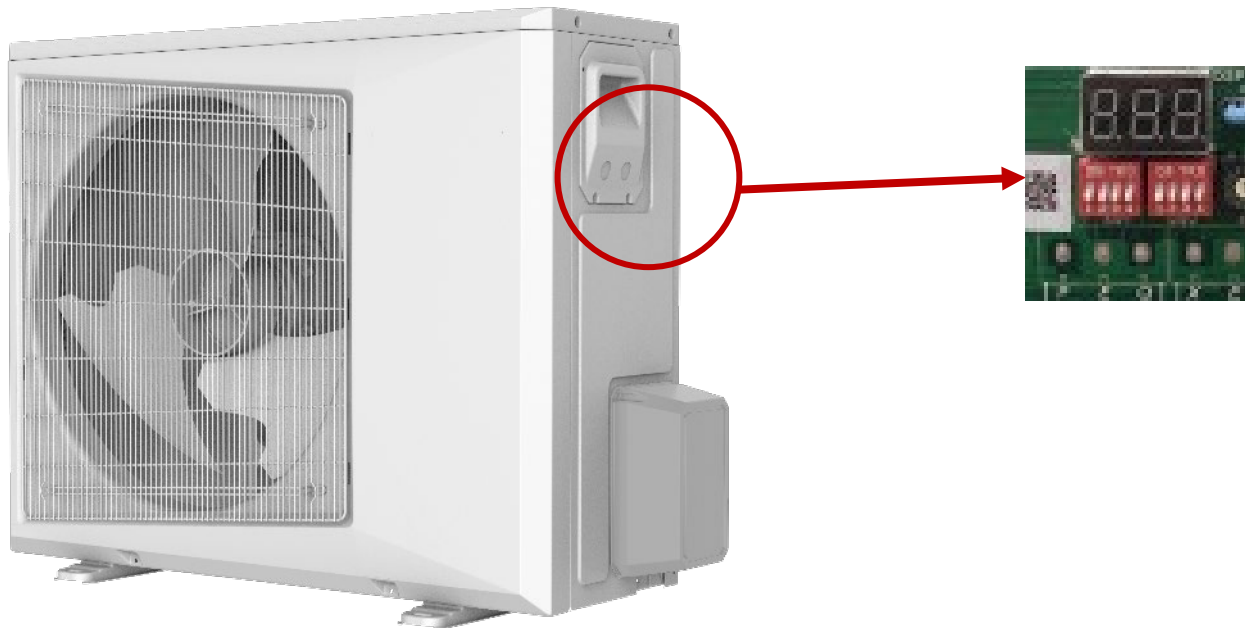


Refrigerant Cooling PCB

Features

Service Window:

- ◆ Easy to check the operation states from service window.



Features



Environment Friendly

◆ ETL Listed



◆ R410A(HFC), low carbon footprint, no harm to Ozone

R410A

Wide operation temperature range:

◆ Cooling range: 50°F-131°F



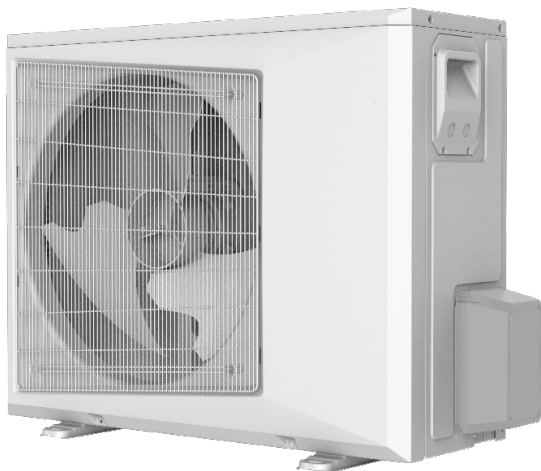
◆ Heating range: -13°F-86°F



Features

24V Communication Connection:

- ◆ 24V low voltage communication connection is much safer than others;
- ◆ Compatible with any third-party air handler and thermostat Including NEST®
- ◆ It is easier to connect to other brand indoor units.



third-party thermostat



third-party air handler

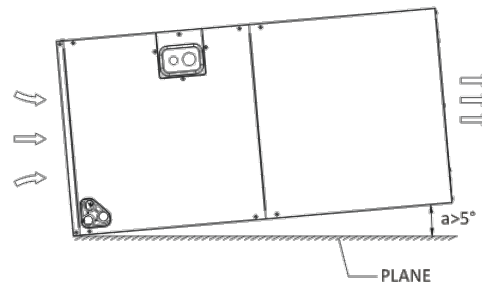
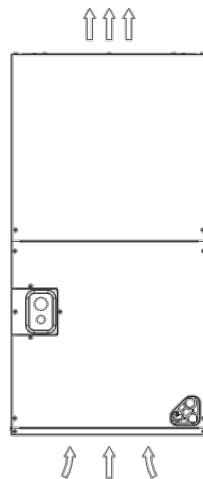
Features

CCT Inner-grooved Tube:

◆ breaks the refrigerant flow boundary layer to increase heat-exchanging efficiency.

Flexible Installation:

◆ Multi-position air handler installation (Upflow, Horizontal).



Features



❑ Sensor T3(condenser pipe temperature)

When open-circuit/short-circuit, compressor, fan motor and reverse valve will be OFF.

❑ Discharge temperature protection

When discharge temp. is too high, compressor will stop.

❑ High pressure protection

When high pressure $> 4.5\text{Mpa}$, compressor and fan motor will stop;

When high pressure $< 3.8\text{Mpa}$, compressor and fan will restart;

In stand-by status, the compressor will not start in low pressure protection;

In 20mins, if 3 times protection occurs, it will restore after power cut-down.



Thank you