

Air Conditioner Product Introduction

Series Room Mount Version T

◆ DownFlow

◆ Upflow

Room Mount AC

- ◆ **Cooling range**

5.5Kw ~ 120Kw

- ◆ **Cooling mode**

Air cooled

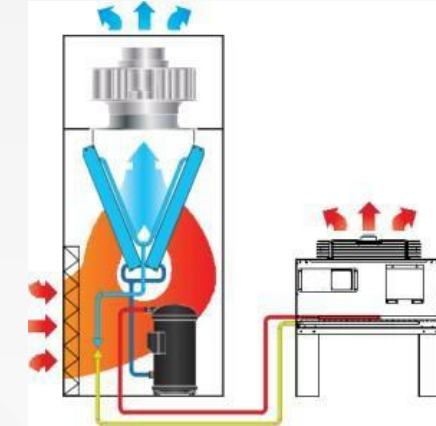
- ◆ **Air supply mode**

Downflow or Upflow



Features

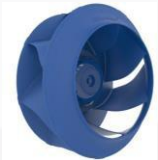
- 1 Highly reliable scroll compressor
- 2 Industry leading brands EC / AC fan
- 3 Intelligent industry-leading controller with color touch screen. Supports BMS integration, teamwork and master/slave working policy
- 4 A large area of high-efficiency heat exchanger
- 5 Industry-leading brands thermostatic expansion valve/electronic expansion valve
- 6 A large area air filtration system closed to heat exchanger
- 7 Electrode humidifier
- 8 Modular design of cabinet can easily achieve secondary disassembly



Air - Cooled

- Options

- Long Piping Kit
- Low-temperature Kit
- Water Leaking Kit
- RS485 / SNMP Network Monitoring Card
- Automatic Phase Switching Module
- Lightning Protection Module
- High-power Electric Heating System
- Large Color Display
- Remote Temperature and Humidity sensor
- Ultra-quiet Air-cooled Outdoor-Condenser



Efficient Indoor EC Fan

EC Fan modulates airflow precisely matching heat load while saving energy by flexible fan speed adjustment.



Smart Controller

Intelligent controller automatically monitoring and adjusting the components outputs in the optimized balance. Rich input/output and monitoring protocols supporting easier integrations.



Sine Form Evaporator

Sine wave shape evaporator optimized even airflow distribution and better energy efficiency performance. Modular design, easy expansion. Air filters directly covering the coils, minimize wind resistance and increase efficiency.



Reliable Compressor

Inverter compressor adjusting capacity of whole system per heat load requirement, saving energy during part load application.



Low Noise Outdoor Fan

The outdoor condenser fan is special designed with Owl wings shapes resulting in quiet operation and high performance. VFD/EC driven speed control further lower the noise level in low speed.



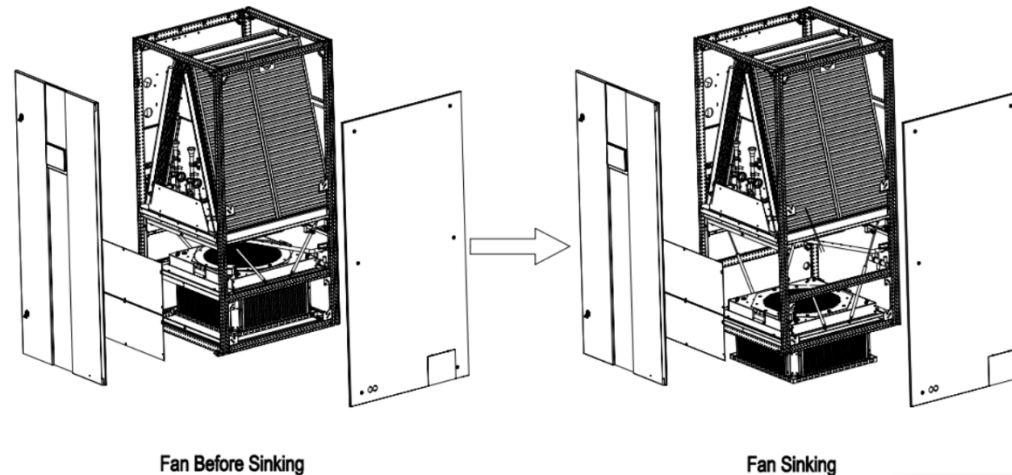
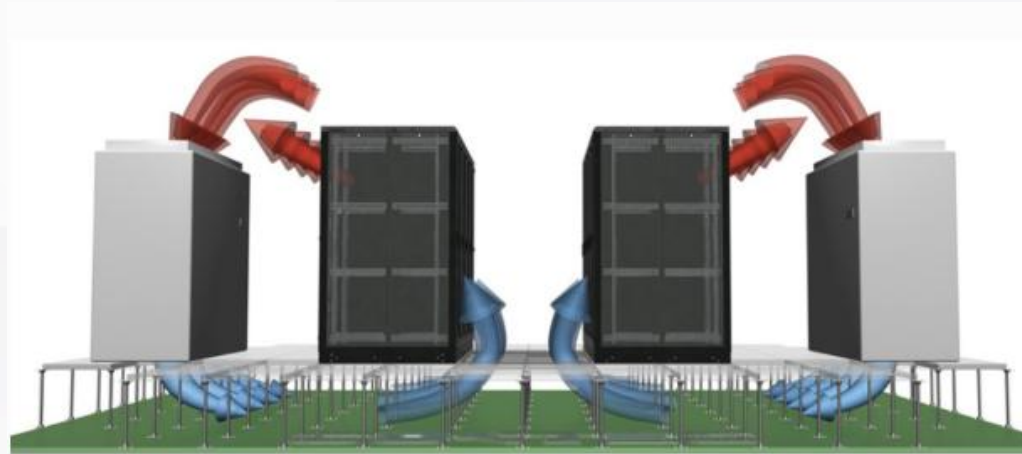
Electronic Expansion Valve

EEV (electronic expansion valve) precisely maintain the refrigerant flow in the efficient way reducing the compressor/pump power consumption.

Specification Parameters



Technical Data						
Upflow Unit Downflow Unit	5.5Kw	7.5Kw	12.5Kw	17.5Kw	21.2Kw	27.5Kw
Cooling Capacity -kW	5.5	7.5	12.5	17.5	21.2	27.5
Sensible Capacity -kW	5.2	6.8	11.3	15.9	19.1	25
SHR-%	94.5	90.7	90.4	90.9	90.1	90.9
Air Volume -m³/h	2000	2250	2850	5000	6200	6700
Fan Type	AC / EC	AC / EC	AC / EC	AC / EC	AC / EC	AC / EC
Heating Capacity-kW	3	3	4	6	6	6
Heating Type	PTC	PTC	PTC	PTC	PTC	PTC
Humidification Capacity -kg/h	2.5	2.5	4	4.5	4.5	5
Humidifier Type	Electrode	Electrode	Electrode	Electrode	Electrode	Electrode
Filter Rating	G3	G3	G3	G4	G4	G4
Weight -kg	118	128	178	300	318	338
Width -mm	550	550	650	750	750	850
Depth -mm	450	450	550	700	700	700
Height -mm	1750	1750	1850	1900	1900	1900
Power Input ¹⁾	208-240V /50Hz-60Hz /1Ph 2Ph	208-240V /50Hz-60Hz/1Ph 2Ph	200-230V/60Hz/3Ph	200-230V/60Hz/3Ph	200-230V/60Hz/3Ph	200-230V/60Hz/3Ph
FLA -A ¹⁾ cooling	14.5	16.5	23.9	26.2	35.4	42.2
FLA -A ¹⁾ with heating/hum.	28.2	30.2	35.1	42.9	52.1	58.1
Ref. Pipe Connection – mm	10/12	10/12	12/16	16/16	16/16	16/22
Drain Connection –mm	20	20	20	20	20	20
Water In Connection	3/4"G	3/4"G	3/4"G	3/4"G	3/4"G	3/4"G
Single/Dual System	Single	Single	Single	Single	Single	Single
Refrigerant Type	R410A	R410A	R410A	R410A	R410A	R410A
Standard Outdoor						
Unit Model	CD08T	CD12T	CD18T	CD24T	CD24T	CD32T
Unit Numbers	1	1	1	1	1	1



Notes:

1. Capacity based on 24°C/50%RH return air conditions, and 45°C condensing temperature.
2. The standard ESP 20Pa. Higher application shall refer to technical department for confirmation.
3. FLA of indoor unit includes FLA of outdoor unit, and outdoor unit power connected from indoor unit.
4. Standard air-cooled outdoor unit operating temperature range-15°C above, optional operating temperature range of the components-35°C with low temperature kit.