



Air Conditioner Product Introduction

Series Inrow AC Version T

- ◆ 5.6kW – 40kW
(Split Type)
- ◆ 5.6kW – 10.8kW
(All In One)

Inrow AC

Air cooled, row mount, split type, ideal for micro data center, integrated modular data center solutions.

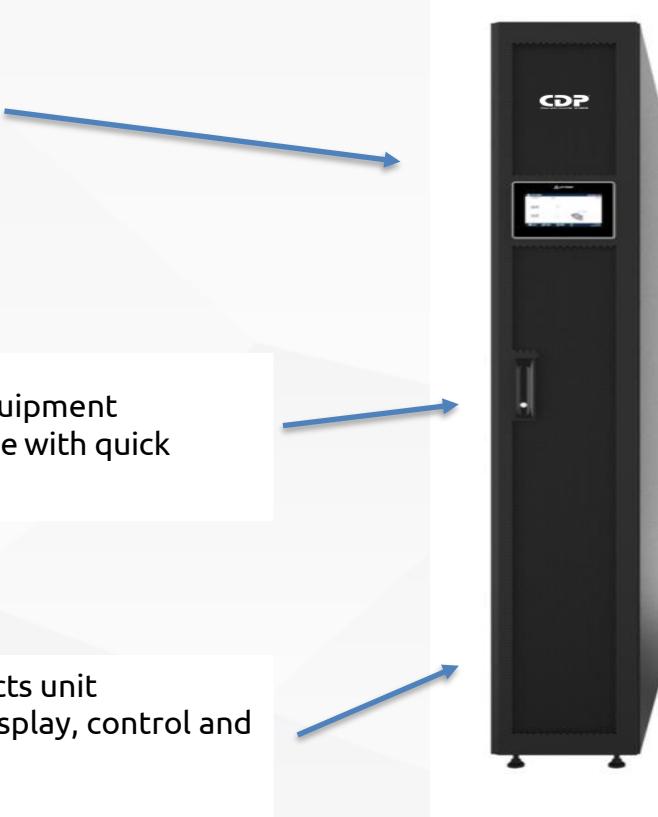


- ◆ Cooling range

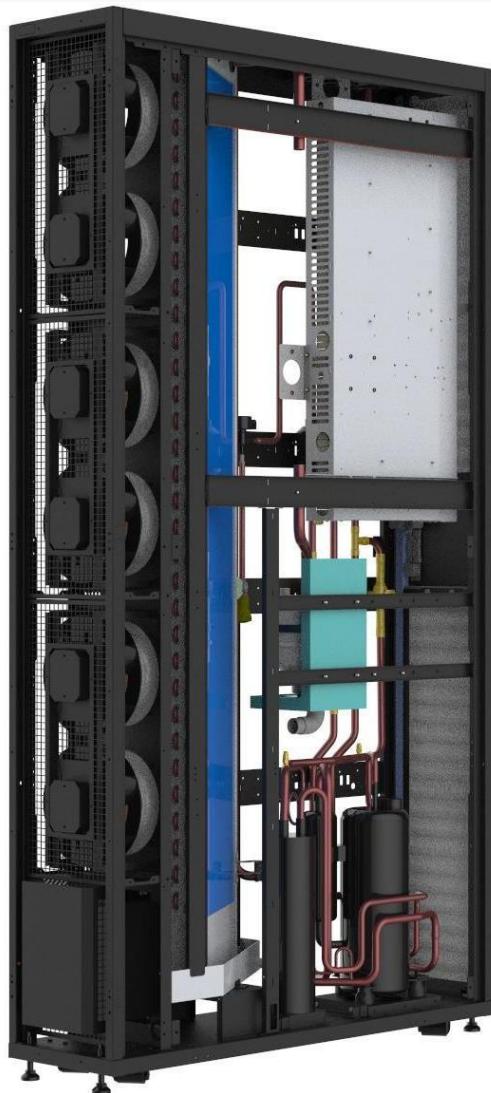
5.6kW – 40kW



Features



- ◆ Dynamically modulated cooling capacity with inverter compressor maintains temperature within envelop and prevent compressor from cycling during low heat load period.
- ◆ Air flow modulates with EC fans to match IT equipment requirements. Each fan module is easy to change with quick couple connections.
- ◆ Precision cooling controller monitors and protects unit constantly. Easy to be integrated into BMS to display, control and manage the system
- ◆ R410A green refrigerant is highly efficient and no ODP.
- ◆ Copper/water piping support bottom and top connections.
- ◆ Airflow direction is configurable upon order for easier integration with different types of data center layout.



EC Fan

EC Fan modulates airflow precisely matching heat load while saving energy by adjusting fan speed



Smart Controller

Intelligent controller automatically monitoring and adjusting the components outputs in the optimized balance



Electronic Expansion Valve

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



Reliable Compressor

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

Specification Parameters

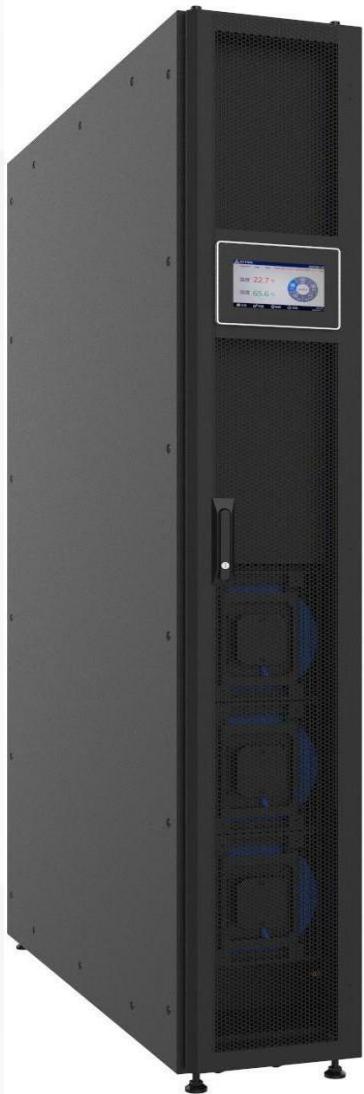


| Indoor Unit | ACEN5.6ZDXT | ACEN7.6ZDXT | ACEN12.8ZDXT | ACEN17.6ZDXT | ACEN21.2ZDXT | ACEN25.1ZDXT | ACEN31.1ZDXT | ACEN40.9ZDXT |
|---------------------|------------------------------|----------------------------------|-----------------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Total Cooling-kW | 5.6 | 7.6 | 12.8 | 17.6 | 21.2 | 25.1 | 31.1 | 40.9 |
| SHR-% | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Air Volume-m3/h | 2000 | 2250 | 2400 | 4500 | 4920 | 5000 | 5800 | 8000 |
| Mount Type | Row | Row | Row | Row | Row | Row | Row | Row |
| Cooling Type | DX | DX | DX | DX | DX | DX | DX | DX |
| Height-mm | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 |
| Depth-mm | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |
| Width-mm | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 600 |
| Weight-kg | 210 | 213 | 233 | 253 | 258 | 260 | 320 | 360 |
| Reheat-kW | 3.0 | 3.0 | 3.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Hum.(optional)-kg/h | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 3 | 3 |
| Power Input | 208-240V /50-60Hz/1Ph-2Ph | 208-240V /50-60Hz /1Ph-2Ph | 208-240V /50-60Hz /1Ph- 2Ph | 200-230V /50-60Hz /3Ph | 200-230V /50-60Hz/3Ph | 200-230V /50-60Hz/3Ph | 200-230V /50-60Hz/3Ph | 200-230V /50-60Hz/3Ph |
| FLA-A with heating | 28.2 | 37.3 | 48.7 | 49.4 | 48.8 | 51.1 | 63.2 | 68.9 |
| FLA-A with hum. | 33.3 | 42.4 | 53.8 | 52.5 | 52.0 | 54.2 | 54.2 | 75.1 |
| Standard Outdoor | | | | | | | | |
| Unit Model | CD08T | CD12T | CD18T | CD24T | CD32T | CD38T | CD42T | CD52T |

Notes:

1. Air flow is based upon standard fan speed setting. Fan modulates per real loads.
2. Cooling Capacity based on 37°C/24%RH return air and 45°C condensing temperature.
3. FLA of indoor unit includes FLA of outdoor unit, and outdoor unit power connected from indoor unit.
4. SNMP monitoring port, dual power input, and leaking detection are optional.
5. Standard unit works -15°C above outdoor temperature, select low temperature kit to run for -35C outdoor ambient temperature.

Inrow - All In One



- ◆ Dynamically modulated cooling capacity with inverter compressor maintains temperature within envelop and prevent compressor from cycling during low heat load period
- ◆ Air flow modulates with EC fans to match IT equipment requirements. Each fan module is easy to change with quick couple connections
- ◆ Precision cooling controller monitors and protects unit constantly. Easy to be integrated into BMS to display, control and manage the system
- ◆ R410A green refrigerant is highly efficient and no ODP
- ◆ Built in condenser with EC fan speed adjustable to meet tight space application. Optional with duct hose to be connecting to air vent
- ◆ Easy to touch electric box makes service convenient

Specification Parameters



| Indoor Unit | 5.6Kw | 7.6Kw | 10.8Kw |
|---------------------------|--------------------------|--------------------------|--------------------------|
| Total Cooling-kW | 5.6 | 7.6 | 10.8 |
| SHR-% | 100 | 100 | 100 |
| Air Volume-m3/h | 2000 | 2250 | 2500 |
| Mount Type | Row | Row | Row |
| Cooling Type | DX Self-Contained | DX Self-Contained | DX Self-Contained |
| Height-mm | 2000(42U) | 2000(42U) | 2000(42U) |
| Depth-mm | 1200 | 1200 | 1200 |
| Width-mm | 300 | 300 | 300 |
| Weight-kg | 210 | 213 | 233 |
| Reheat-kW | 3.0 | 3.0 | 3.0 |
| Hum.(optional)-kg/h | 1.5 | 1.5 | 1.5 |
| Power Input ¹⁾ | 208-240V/50-60Hz/1Ph-2Ph | 208-240V/50-60Hz/1Ph-2Ph | 208-240V/50-60Hz/1Ph-2Ph |
| FLA - A | 28.2 | 37.3 | 48.7 |
| FLA - A1)with hum. | 33.3 | 42.4 | 53.8 |

Notes:

1. Air flow is based upon unit speed setting. Fan modulates per real loads.
2. Cooling Capacity based on 37°C/24%RH return air and 35°C outdoor temperature.
3. SNMP monitoring port, dual power input, condenser air duct and leaking detection are optional.
4. Standard unit works -15°C above outdoor temperature, select low temperature kit to run for -35C outdoor ambient temperature.