

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.

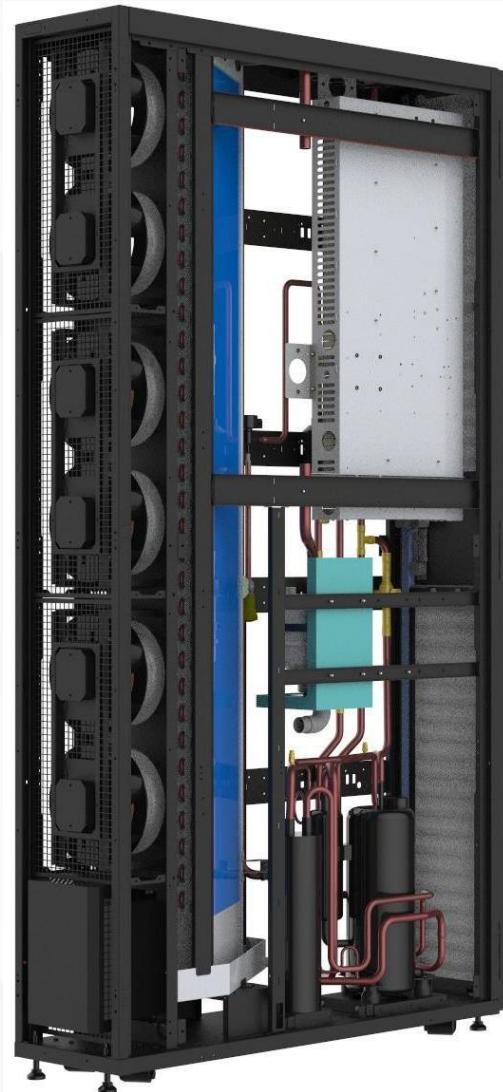
◆ Precision cooling controller monitors and protects unit constantly. Easy to be integrated into BMS to display, control and manage the system



◆ 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

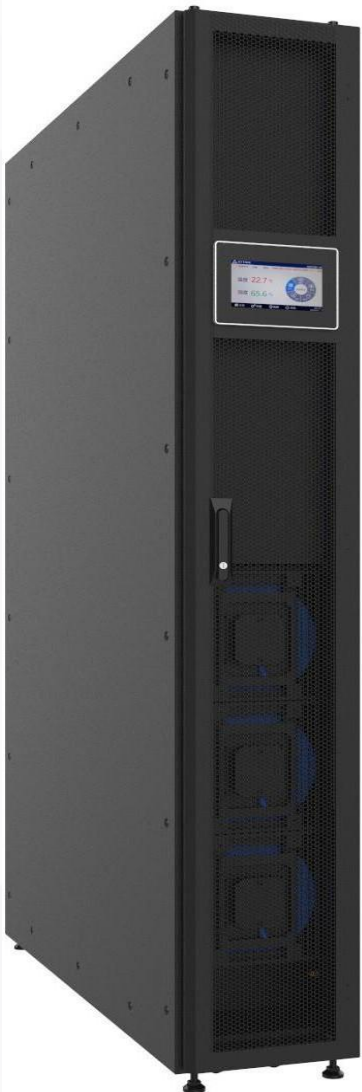


Indoor Unit	ACEN5.6ZDXT	ACEN7.6ZDXT	ACEN12.8ZDXT	ACEN17.6ZDXT	ACEN21.2ZDXT	ACEN25.1ZDXT	ACEN31.1ZDXT	ACEN40.9ZDXT
Total Cooling-kW	5.6	7.6	12.8	17.6	21.2	25.1	31.1	40.9
SHR-%	100	100	100	100	100	100	100	100
Air Volume-m3/h	2000	2250	2400	4500	4920	5000	5800	8000
Mount Type	Row	Row	Row	Row	Row	Row	Row	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 - A ¹⁾ 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.