

Wall Mount Cooling System

Building Foundation of Digital Future

The one stop precision cooling solutions for you to build highly Reliable, Efficient and Sustainable Telecom Sites.

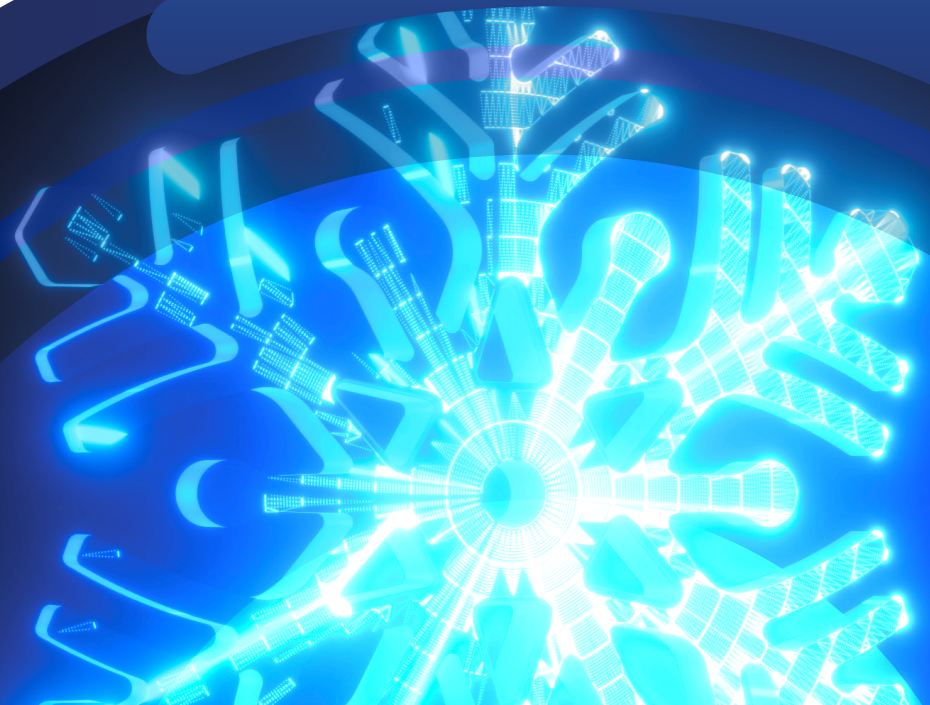
Efficiency Prefabricated.

Technical Data

Model	PTCW-01	PTCW-02	PTCW-05	PTCW-07	PTCW-12	PTCW-17	PTCW-21	PTCW-25	PTCW-31
Air Free Cool Option	S-OAFC	S-OAFC	S-OAFC	S-OAFC	S-OAFC	S-OAFC	S-OAFC	S-OAFC	S-OAFC
Total Cooling-kW	1.5	2.0	5.5	7.5	12.5	17.5	21.2	25.1	31.5
SHR-%	100	100	100	100	100	100	100	100	100
Air Volume-m ³ /h	380	650	1850	2000	2400	3500	4000	5100	6300
Mount Type	Wall	Wall	Wall	Wall	Wall	Wall	Wall	Wall	Wall
Cooling Type	DX	DX	DX	DX	DX	DX	DX	DX	DX
Height-mm	746	746	1920	1920	2100	2100	2100	2100	2100
Depth-mm	200	200	650	650	650	650	650	650	650
Width-mm	446	446	900	900	1000	1000	1000	1350	1350
Weight-kg	34	35	180	230	285	320	355	395	415
Power Input ¹⁾	208-240V /50Hz 60Hz /1Ph-2Ph	208-240V /50Hz 60Hz /1Ph-2Ph	208-240V /50Hz 60Hz /1Ph-2Ph	208-240V /50Hz 60Hz /1Ph-2Ph	208V /60Hz /3Ph	208V /60Hz /3Ph	208V /60Hz /3Ph	208V /60Hz /3Ph	208V /60Hz /3Ph
FLA-A ¹⁾	2.9	3.9	16.5	20.1	27.4	33.6	38.0	47.5	56.3
Power Input ³⁾	-	-	-	-	460V/60Hz/3 Ph	460V/60Hz/3 Ph	460V/60Hz/3 Ph	460V/60Hz/3 Ph	460V/60Hz/3 Ph
FLA-A ³⁾	-	-	-	-	12.4	15.2	17.2	25.8	26.8

Notes:

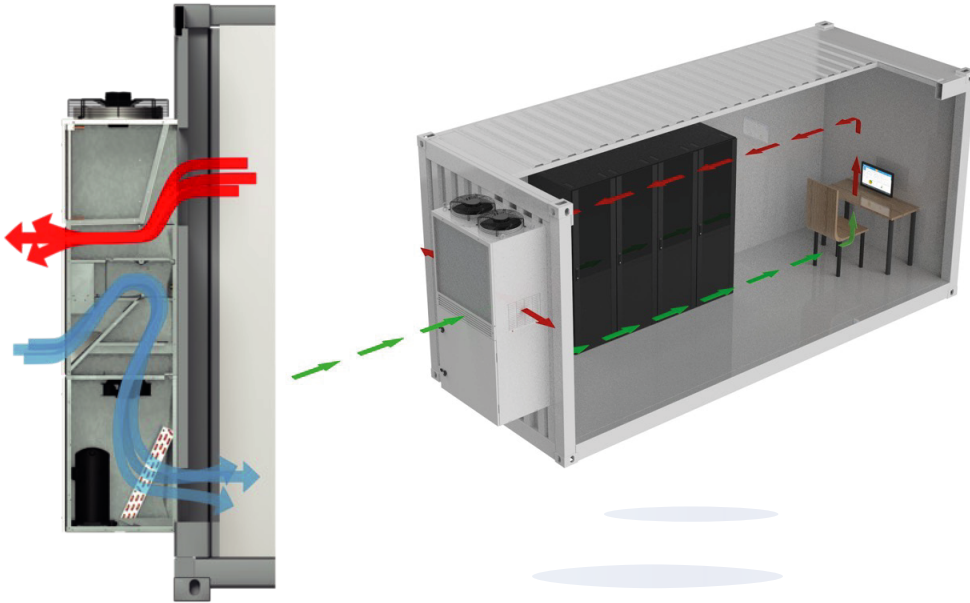
- Cooling Capacity based on 26 °C/40%RH indoor return air and 35 °C outdoor air.
- The frequency 50Hz or 60Hz is configurable upon order.
- The refrigerant R134a is used for the ambient temperature up to 55C maximum. R410a is possible per customization.
- Default airflow pattern is upfront return, and bottom-front discharge.
- Other types can be customized.
- Direct air free cooling is optional per configuration.
- Other optional parts including SNMP, power protection module, power meter module, water leaking, anti-corrosion coating.
- Data is to be changed without prior notifications.



Powertech

Wall Mount Cooling System

The wall mount cooling with direct air free cooling option enables the cooling solution with energy efficiency features, lowers down the energy bills, while maximizing the reliability of the system with the precision control of room environment.



1

Industry top brand compressor. Highly reliable and efficient working up to 55C ambient temperature with R134a refrigerant.

2

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

3

Adopts high pressure/high air flow centrifugal EC fan suiting critical equipment high SHR cooling condition.

4

Auto-working in Direct Air Free cool / DX cool mode, best suit to environment condition and lower down energy cost.

5

IP55 water/dust protection in package wall mounting design, no occupying of IT space.

6

Green refrigerant is highly efficient and no ODP.

Powertech

Wall Mount Cooling System

Dynamic Actuator



Actuator from top brand switching air free cooling mode, and compressor mode seamlessly.

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. Working up to 55C ambient with R134a refrigerant option.