

Rack-Mounted Air Conditioner 4U Rack-Mount Data Center AC Unit



Rack-mounted Air Conditioner is mainly intended to cool the servers in small micro-modular data centers, such as modular data centers, mini data centers, and so on, and is widely used for server room cabinets and edge computer rooms in the government, banks, schools, enterprises, and institutions.

Technical Data

Refrigeration capacity	4 to 30kW
High Efficiency and Energy Reduction	<ul style="list-style-type: none">• Close to heat source, highly efficient, total heat, energy efficiency ratio of 3.3;• R410A Eco-Refrigerant;• Efficient EC fan coupled with EC compressor.
High Reliability	<ul style="list-style-type: none">• 24 hours, 365 days of continuous operation, with a lifespan of 10 years;• All accessories are subject to rigorous inspection and testing, all in stable performance.• Multiple protections for proper operation.
Flexible Configuration	<ul style="list-style-type: none">• 4U of rack space, perfectly matched to the server rack;• Multiple return air methods are available to meet a variety of installation requirements• Equipped with a handle for easy installation and maintenance.
Smart Control	<ul style="list-style-type: none">• Multi-channel sensor monitoring, advanced PID control technology;• Sound protection and alarm function, master diagnostic function;• RS485 smart communication interface for easy remote monitoring.



Technical Specifications

Model	Unit	MC04	MC07	MC08	MC15	MC30
Overall Cooling Capacity (Max Air Volume)	kW	4.5	7.5	8.8	15.9	31.2
Overall Cooling Capacity (Rated Air Volume)	kW	4.2	7.3	8	14	28.8
Quantity of Fans	No.	1	1	1	1	2
Air Volume	m ³ /h	750	1600	1900	2400	5450
Power Source	--	220V~/50Hz				
Max Input Current for The Entire Body	A	8	25	21.5	28	55
Coil Material	--	Brass forging aluminum fin				
Refrigerant	--		R410A			
Size for Liquid Pipe / Air Pipe (Copper)	mm	9.52/12.7	9.52/12.7	9.52/15.88	9.52/15.88	9.52/15.88
Condensate Pump Size (Optional)	--	--	6mm PE flexible pipe	6mm PE flexible pipe	6mm PE flexible pipe	6mm PE flexible pipe
Indoor Units Operating Weight	kg	26	32	55	75	100
Indoor Units Size (W*D*H)	mm	439*878*176	442*714*351	440*903*440	440*996*530	440*996*930
Model for Corresponding Outdoor Units	--	TCMC04A1W	TCMC07A1W	TCMC08A1W	TCRV050B1	2*TCRV050B1
Max Input Current for the Outdoor Units	A	6.5	11.5	18.5	24.9	24.9
Outdoor Units Power Supply	--	220V~/50Hz				
Outdoor Units Weight (Single)	kg	48	48	105	115	115
Outdoor Units Size (W*D*H)	mm	856*296*617	880*360*800	1100*430*810	900*350*1160	900*350*1160