

FREECOOL-HD

FREECOOL-HD intelligent ventilation unit is applied in small/medium data center and electronic equipment room. The unit introduces outdoor fresh air with lower temperature to cool equipment room.

By using the FREECOOL-HD unit, the running hours of other air conditioning units can be highly reduced, achieving power energy saving around 30~90%.

The FREECOOL-HD unit using EC fans can adjust the air volume automatically according to the temperature difference with the lowest power consumption.

FREECOOL-HD without refrigeration system realizes easy installation and convenient maintenance. The unit is available in 2 different air flow schemes: up flow and down flow, and 2 installation positions: outdoor and indoor, offering more options for different customers.



Model		24F1	48F2	72F1	144F2	216F3
Supply air scheme				O/U		
Air volume	m ³ /h	2400	4750	7200	14400	21600
Air volume	m ³ /s	0.67	1.3	2.0	4.0	6.0
Cooling capacity						
Δt=5℃	kW	4.0	7.9	12.0	24.0	36.0
Δt=10℃	kW	8.0	15.8	24.0	48.0	72.0
Δt=12℃	kW	9.6	19	28.8	57.6	86.4
Power source		230V/1/(50/60Hz)		400V/3/(50/60Hz)		
Fan						
Type		Single inlet backward curved centrifugal fan				
Qty. of fan	n.	1	2	1	2	3
Input power	kW	0.5	1.0	2.1	4.2	6.3
Current	A	3.1	6.1	3.2	6.4	9.4
Width*Depth*Heigh	mm	700*450*1320	1150*450*1320	850*800*1770	1650*800*1770	2450*800*1770
Weight	kg	65	89	150	260	350