



工業水冷式蒸發空調 EAC01-50

Floor standing double-axial fan cabinet type air conditioner



外機
External



主機
Internal

Specification

Internal machine

External machine

Internal machine Weight

Voltage, Frequency

Cooling capacity

Rated Current

Rated power

Max working current

Max working power

Cooling water temp. (return/out)

The flow of cooling water

Pipe diameter for cooling water pipe

Cooling capacity

Rated Current

Rated power

Max working current

Max working power

Cooling water temp. (return/out)

The flow of cooling water

850mm*550mm*1890mm

930mm*930mm*1170mm

295kg

380V, 50Hz

50KW

19.3A

10.2KW

20.5A

13KW

32°C/37°C

8-12

DN32

DN20

12-15m

16000m³/h

2.8MPa/1.5Pa

2.8MPa/1.5Pa

65dB(A)

R22/3200g*2

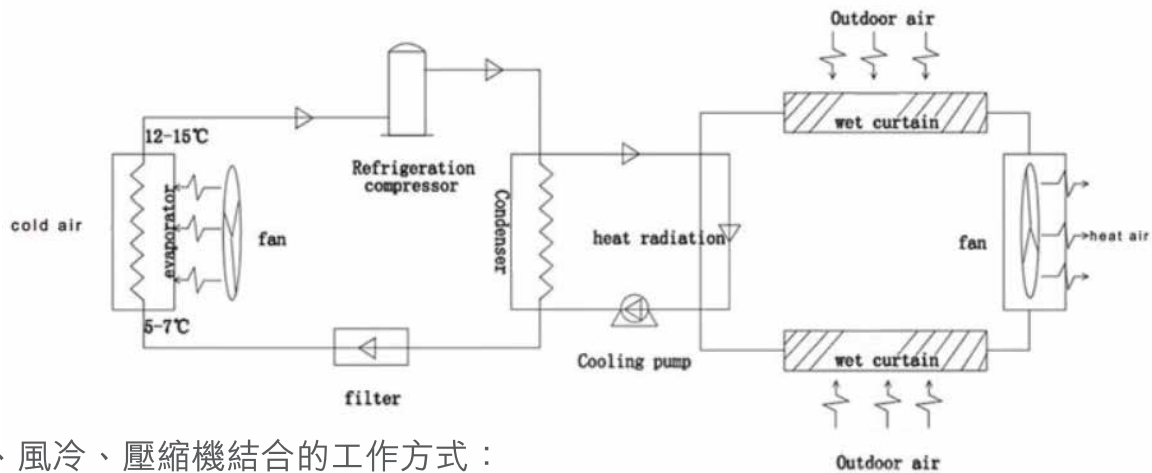
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系統圖

蒸發式省電空調機組由壓縮機、冷凝器、膨脹閥、蒸發器、濕簾、水箱、水泵等零件組成。



透過水冷、風冷、壓縮機結合的工作方式：

首先由外機採用濕簾蒸發式冷凝的技術來給循環水降溫，水溫降至常溫後流經內機的熱交換系統(此時壓縮機已運作，已將製冷劑壓縮成高溫高壓狀態)從而帶走大部分高溫製冷劑的熱量而形成常溫製冷劑，常溫製冷劑再經過節流閥後變成低溫低壓的製冷劑，輸送至內機上半部的蒸發器而吹出冷風；

已經給高溫高壓的製冷劑降過溫的循環水，再由水泵輸送至室外機的上份，同時由風冷的輔助再流經蒸發水簾，從而將高溫水變成常溫水，再次流經室內機給高溫高壓下的冷媒降溫，周而復始循環運作將能效比發揮到最大，以降低能耗。

案例



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