

Industrial Air-Cooled Condensing Unit 工业风冷制冷机组



Applied for high-tech precision equipments, such as medical facilities, optical equipments, etc.

The condensing unit performs efficient COP, excellent durability, as well as precise temperature control to guarantee the accuracy & stability operation of high-tech equipments.

应用于医疗、光学等精密设备。对设备中流体介质进行降温冷却（或保持恒温）。该型制冷机组不仅具备良好的高能效比、优异的可靠性，更具有出色的控温精度，保证了医疗、光学设备精准、稳定的运行。

FEATURES:

- * Equipped rotary compressor, easy maintenance and high efficiency
 - * Nominal capacity up to 5000 W; evaporating temp. -5°C to $+55^{\circ}\text{C}$
 - * Optimized fan size in air-cooled condenser, enable air-flow across entire coil surface, hydrophilic coated fins for anti-corrosion
 - * Brazed plate heat exchanger as evaporator, has the advantage of durability, low operating costs and compact size
 - * Utilized electrical expansion valve (EEV) at both inlet and outlet of condenser. Under cooling condition, two EEVs can adjust the coolant temperature of evaporator; on heating condition, close the EEV at condenser inlet, to make coolant directly flow into evaporator
- * 配备转子压缩机，维护成本低、能效比高
 - * 名义制冷量最高可达 5000 W，应用蒸发温度范围 -5°C to $+55^{\circ}\text{C}$
 - * 冷凝器上装配了经过优化的电机，使风量可完全覆盖冷凝器管路，亲水翅片增强了冷凝器的耐腐蚀性
 - * 蒸发器采用焊钎板式换热器，相比传统铜管翅片式换热器具有可靠性高、结构紧凑体积小、使用成本低等优点
 - * 在冷凝器的进出端各配备电子膨胀阀，在制冷模式下，两个电子膨胀阀可通过相互调节流量来控制流入蒸发器的冷媒的温度；而在制热模式下，冷凝器入口端的电子膨胀阀关闭，从压缩机喷出的高温冷媒直接流入蒸发器，以实现制热的功能