

## Industrial Water-Cooled Condensing Unit 工业水冷制冷机组



Applied for high-tech precision equipment, such as photolithographic equipments, laser (welding & cutting) machines, cooling down (or keeping in constant temp.) their liquid medium.

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

应用于光刻机、激光（焊接、切割）等高端精密机械设备，对设备中流体介质进行降温冷却（或保持恒温）。通过优良参数匹配与调校，该型制冷机组不仅具备良好的高能效率比，更具有优异的控温精度，保证了光刻机、激光等设备精准、稳定的运行。

### FEATURES:

- \* Equipped Tecumseh reciprocating compressor for superior dependability
- \* Nominal capacity up to 7 HP; evaporating temp.  $-15^{\circ}\text{C}$  to  $+10^{\circ}\text{C}$
- \* Brazed plate heat exchanger as condenser and evaporator, has the advantage of durability, low operating costs and compact size
- \* Unique thermal protector monitors compressor discharge temperature, stop compressor if the discharge temperature exceeded setting value; therefore guarantee the robust and reliable under severe conditions or long operating time
- \* Stainless steel base plate accommodates selected quality components, standard package including liquid receiver, suction line accumulator, filter drier and sight glass
- \* Extensible port design for parallel evaporator
- \* 配备泰康活塞式压缩机，优异的高可靠性及耐久性
- \* 名义制冷量最高可达 7 HP，应用蒸发温度范围  $-15^{\circ}\text{C}$  to  $+10^{\circ}\text{C}$
- \* 机组的冷凝器和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
- \* 在压缩机排气端加装特制热保护器用以监控压缩机工作时的排气温度，当排气温度超过设定值时，热保护器可以使压缩机强制停机，以避免压缩机过热烧毁。如此制冷机组在恶劣工况和长时间工作的条件下其安全性得以保障
- \* 不锈钢底板，精选知名品牌优质管路配件，标配储液器、气液分离器、过滤器和视镜，还可根据用户实际应用需求定制开发
- \* 预留扩展接口，可根据使用需求并联加装一组蒸发器