

HXC

Refrigerant condensers



Key benefits

- Maximum water saving
- No plume
- Reduced refrigerant charge

HXC characteristics

Combined flow, axial fan, induced draft
Hybrid wet-dry cooling

Capacity range

550 - 1900 kW
(for single cell models, nominal R717 kW's)

Maximum entering fluid temperature

82°C

Typical applications

- Industrial refrigeration applications
- Water saving requirements
- Plume reduction requirements



Water-saving

- [Different operating modes](#) throughout the year. In summer peak periods HXC operates as an evaporative condenser. In other periods **modulating air inlet dampers** increase the air flow boosting the dry condensing capacity and saving water. In winter time dry operation is possible.

No plume

- The combination of sensible, adiabatic and evaporative heat transfer reduces any plume.
- In winter time, **HXC operates dry**.
- No plume during wet operation thanks to **dry finned coil**: it reduces humidity of discharge air from the prime surface coil.

Reduced refrigerant charge

- **Less coil surface** (because of the patented combined heat transfer system) means less refrigerant charge and reduced overall system costs.

Easy to inspect and to maintain

- **Inspect and maintain safely** HXC condensers with unrivalled comfort, while **standing** inside.
- The HXC has a **spacious plenum** (internal area) and easy inspection/maintenance access.
- **Access via large hinged door to internal walkway**: no basin draining needed for unit interior inspection.
- Easy to inspect the **coil** during operation from the outside or from the inside via the **removable drift eliminator modules**.
- Easy to inspect the **fill** from the inside and via the **removable combined inlet shields** from the outside.
- The patented [BACross® fill](#) sheets reduce fouling, allowing an easy inspection of the fill core without dismantling. Optional [BACross® fill bundles](#) for quick and easy removal and cleaning of the fill.
- Self-cleaning cold water basin and fill above **sloped basin** to flush out dirt and debris.
- Removable **suction strainer** anti-vortex hood.
- Make-up, drain and overflow easily **accessible from the outside** for inspection and cleaning.

Energy-saving

- [Evaporative cooling](#) PLUS unique [combined heat transfer system](#) for minimized system-wide energy consumption.
- **Axial fan** – half the consumption of rivals and huge single cell capacity: saving you more!
- Less water usage = less water costs = **less water treatment expenses**

Flexible operation

- **Unique and patented heat transfer system**: featuring combined flow via heat exchange coil and fill



- pack, for fine temperature applications and thermal challenges.
- Various corrosion-resistant materials, including the unique [Baltibond® hybrid coating](#) for guaranteed long service life.
 - **Single air inlet and discharge**, fits in most enclosures.

Maximum operational safety

- Easy-clean and easy-inspect HXC units **reduce hygiene risks** from bacteria or biofilm inside.
- **Combined inlet shields** block sunlight to prevent biological growth in the tower, filter the air and stop water splashing outside.
- The patented [BACross® fill](#) reduces fouling.
- **Drift eliminators** certified by Eurovent, to prevent droplets escaping into the air.

Want to use the HXC hybrid condenser for your industrial refrigeration application? Contact your local [BAC representative](#) for more information.

Downloads

- [HXC hybrid condenser](#)
- [HXC Intelligent hybrid condenser - brochure](#)
- [Operating and Maintenance HXC](#)
- [Rigging and Installation HXC](#)
- [Combined Flow Technology](#)