

# ECI

## Refrigerant condensers



### Key benefits

- Long and reliable service life
- Low energy consumption
- Easy maintenance

#### ECI Characteristics

- Counterflow configuration
- Axial fan, induced draft

#### Capacity Range

- 129-2929kW (for single cell model, nominal R717 kW's)

#### Typical applications

- Industrial refrigeration applications

### Long and reliable service life



- Standard [Baltiplus 800™](#) construction with **corrosion resistant** [fibreglass](#) side panels will provide a long service life.
- **Direct drive fans** for most models, reducing regularity of service and component replacement.

## Low energy consumption

- [Evaporative cooling](#) for system-wide energy saving at lower operating temperatures.
- **Axial fan** uses **half the energy** of similar centrifugal fan units.
- Factory tested **high efficiency coil**.
- **High efficiency/VFD duty fan motors**

## Easy maintenance

- **Full cold water basin access** when removing the combined inlet shields.
- Easy no-tool **removal of casing side panels** gives access to heat transfer coil for easy inspection and cleaning.
- **Easy removable** spray branch arms, eliminators and combined inlet shields.
- Easy **access to motor and drives** from above the cooling tower.
- Upgrade the unit with **motor removal davit arm** for quick and safe service of motors and fans.
- Removable suction **strainer** with anti-vortex hood.

## Low installation cost

- Reduce rigging time with the **fan plenum section self-aligning** with the coil casing section. Motors and drives are factory installed and aligned.
- All models can **mount directly** on parallel I-beams.
- **Use smaller, less costly** cranes by shipping in multiple sections to minimize the size and weight of the heaviest lift.

## Operational safety

- Closed loop, no airborne contaminants enter and foul the system.
- Easy-clean and easy-inspect ECI towers reduce hygiene risks from bacteria (e.g. Legionella) or biofilm inside.
- Combined inlet shields block sunlight to prevent biological growth in the tower, filter the air and stop water splashing outside.

**Interested in the ECI evaporative condenser for cooling your industrial refrigeration application?** Contact your local [BAC representative](#) for more information.



## Downloads

- [ECI refrigerant condenser](#)
- [Operating and maintenance ECI-FCI](#)
- [Rigging and Installation ECI - FCI](#)