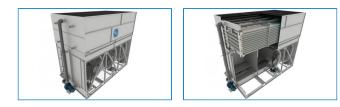


# VERTEX Refrigerant condensers



# Key benefits

- Reliability
- Easy access and safety
- Low maintenance and easy inspection



#### **VERTEX** characteristics

- Counter flow, axial fan, forced draft
- PED 2014/68/EU coil design

#### Capacity range

655 - 2785 kW (for single cell models, nominal R717 kW's)

#### **Typical applications**

- Industrial refrigeration applications with focus on reliability, efficiency and minimal maintenance
- Tight enclosures and installations requiring a single air inlet
- Dry operation in winter time

#### **Reliable operation guaranteed**

- Enjoy peace of mind an uninterrupted operation with multiple fans, motors and operational redundant pumps.
- Multiple, individually driven fans guarantee redundancy.



- Fans, motor and drive system (V-belt) are located in the **dry air**, preventing moisture and condensation. No external moving parts, helping it withstand the toughest weather conditions.
- Various corrosion-resistant materials, including the unique **Baltibond** hybrid coating for guaranteed long service life.

#### Low maintenance and easy inspection

- Inspect and maintain safely Vertex<sup>®</sup> condensers with **unrivalled comfort**, while standing inside on the internal walkway.
- Access via large hinged door to optional internal walkway: no basin draining needed for unit interior inspection.
- Easy to inspect the **coil** from the outside or from the inside via the **removable drift eliminators modules** or **internal walkway**.
- Ground level access to the drive system, pump(s) and terminal box eliminates the need for platforms or ladders to access them.
- Reduce maintenance labor cost by 50% and address confined space hazards with a walkable, spacious interior and easy entry and exit.

#### More compact

- Compact design for confined spaces.
- Single-side air inlet let you install **next to a solid wall**.
- Vertex<sup>®</sup> units are **factory assembled**.
- We ship larger models in 2 sections to reduce the size and weight of the heaviest section for **easy on-site assembly** with smaller cranes.
- Vertex offers high capacity and minimal operating weight. **Save on steel supports**, both underneath the equipment and in the building itself for rooftop installations.

# Easy access and safety

- Easy cleaning and improved hygiene with a compact, sloped water basin.
- The **air inlet shields** block sunlight to prevent biological growth in the unit and stops water splashing outside without reducing the condenser's capacity.
- Removable suction strainer anti-vortex hood.
- Make-up, drain and overflow easily accessible for inspection and cleaning.
- High efficient drift eliminators certified by Eurovent to prevent droplets escaping into the air.
- Optional clean out port helps remove silt and sludge from the cooling tower basin.
- Optional sump sweeper piping prevents sediment collecting in the cold water basin.

# **Energy efficient**

- Evaporative condensers yield the lowest condensing temperatures and thereby minimize the system energy consumption.
- Highest capacity per footprint brings higher capacity or reduced energy usage for many replacement jobs.
- Axial fans, with high efficiency fan motors, use half the energy of similar centrifugal fan units.



Interested in the Vertex<sup>®</sup> evaporative condenser for your industrial refrigeration application? Contact your local <u>BAC</u> representative for more information.

# Downloads

- Vertex Evaporative Condenser Sales Brochure
- Operating and Maintenance Vertex
- Rigging and Installation Vertex
- Spare Parts for Vertex
- Retrofit Opportunities Vertex
- Vertex Evaporative Condenser