Technical Specification

HL Cooling

HL-i Water Chillers
A Revolution in Industrial Cooling

Air Cooled Water Chillers
With Standard High Volume Integral Stainless Steel Tank
and High Pressure Pump
HL-i Water Chillers

A Revolution in Industrial Cooling

The HL-i range of air cooled water chillers offer the most advanced design to satisfy today’s industrial cooling equipment requirements.

The entire range is packed with the latest technology and assembled with components developed with our world renowned manufacturing partners including Munters, Danfoss, Carel, Siemens and Grundfos Ziehl-Abegg. The complete HL-i range of packaged air cooled water chillers offer maximum efficiency together with total reliability and are manufactured to the highest quality standard.

This new generation of water chillers are built on years of experience, the result of which is the HL-i range which incorporates many major advanced standard features that other suppliers charge as extra.

Standard Features

- Stainless steel large volume thermal buffer tank as standard across the entire HL-i range
- Coated condenser fins to protect the aluminium condenser from corrosion
- 100% non-ferrous water circuit (except HL-i150~180)
- Strong galvanised epoxy coated steel frame construction
- Waterproofed for external use HL-i<180 (IP44)
- HL-i≥180 (IP54)
- Micropower control and alarm fault display
- Improved component positioning for easy service access

Industrial applications:

- Plastics & Rubber
- Chemical
- Pharmaceutical
- MRI machines
- Food
- Breweries
- Framers
- Engineering
- Lasers

Horizontally mounted pump:

- All models except HL-i18 feature “Maboc” hermetic compressors. These highly reliable European manufactured units are protected by an integral thermal overload.

Adjustable LP Switch:

- Fitted as standard on model HL-i180~1180

Integral Pump:

- Wire centrifugal pumps, manufactured with a stainless steel water circuit and Grundfos is manufactured with an iron water circuit. Both are standard 3 bar pressure. Higher pressure pumps available as an option.

Integral Stainless Steel Water Tank:

- The high volume integral water tank is manufactured entirely from stainless steel. The large water capacity maintains the water at optimum temperature for longer and reduces the compressor turns to a minimum ensuring longer compressor life and maximum efficiency.

Heavy Duty Fan:

- Heavy duty industrial condenser fan (ZEIHL-ABBIG or EBMP) with low ambient operation. This ensures good air flow across the condenser for higher performance.

CAREL Controls:

- Standard CAREL controllers incorporating many advanced features and alarms.

Water Fill & Vent Tank:

- Fully fitted water fill & vent tank as standard.