



Integrated Energy Saving System

The IES-System is a patented, integrated, high-tech and economical water cooling system. This sophisticated, fully automated system, composed of scroll compressor units with a unique addition of a high yield exchange battery, provides cold water at the temperature required by the production process, for the entire 12 months of the year, but with the huge advantage of the use of a "free" water/air thermal exchange.

Highlights

- Energy saving up to 80 % compared to traditional chillers
- Ecological refrigerant R407C
- High efficient scroll compressor groups and copper tube / aluminium finned condenser
- Removable and cleanable aluminium filter
- Internal closed tank
- PLC controller with user friendly MMI

Main characteristics

Condensation	Water / Free cooler
Refrigerant	R407C
Cooling Capacity	65...520 kW
	52'900...430'000 Kcal/h
COP	up to 30 kW/kW
Pump Capacity	180...1430 l/min / 3.3...4.0 bar
Ambient temperature	max. 40 °C



Key features

- Modular design
- Outdoor protection class (IP55)
- Fan speed controller to regulate free cooling
- Independent gas circuits for units with more than one compressor
- Removable and cleanable "Shell and Tube" evaporator with high efficiency
- Energy recovering system – HES (Option)
- Automatic water refilling system
- Manual bypass or automatic bypass to keep a constant pressure on the user circuit (Option)

