



IMPERIUM AIR AND WATER COOLED CHILLERS WITH SCREW COMPRESSESORS 79-2416 kW



ABOUT THE RANGE

This wide range of air and water cooled chillers work at a variety of capacities ranging from 70 - 2416. This kW ensures complete versatility for any industrial process or HVAC application. With seven functions and four noise options available; this group of units considers environmental needs, noise emissions and a variety of efficiency requirements. Using the latest semi-hermetic screw compressors and ozone friendly R134a refrigerant, these units maximise energy efficiency whilst rapidly reducing carbon footprints.

All units within the Imperium IM range are manufactured to meet strict EU testing guidelines and are controlled by ISO 14001 and ISO 19001 accreditations.

CONTACT US

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THE ICS COOL ENERGY PACKAGE

ICS Cool Energy also provide the following services and project management assistance:

- Fully qualified, Europe-wide refrigeration engineers with over 30 years of experience
- In-house bespoke manufacture
- Full 3D CAD assisted engineering and design
- 24-hour customer service desk
- Maintenance packages available
- Out of hours emergency support
- Fully inclusive turnkey installation packages
- Parts, Glycol & contingency plans
- Advice on refrigerant, water treatment and protection for your cooling system
- Offices Europe-wide

E&OE. All data is subject to change and continuous improvement without notice. Equipment designed to ISO 9001 and all relevant electrical, pressure and mechanical directives.

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IMPERIUM SERIES		FUNCTIONS								FAN		HEAT EXCHANGERS		NOISE OPTIONS			
Product	Capacity																
Chillers, air source for outdoor installation																	
IM	145-516 kW	✓		✓	✓				✓		✓		✓	✓	✓		
IM	295-1818 kW	✓		✓	✓				✓			✓	✓	✓	✓		
*IM	272-1180 kW	✓		✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	
IM-FC	329-1229 kW	✓						✓	✓			✓	✓		✓		
Chiller, water source																	
IM-W	87-447 kW	✓	✓	✓								✓	✓				
IM2-W	306-2416 kW	✓	✓	✓	✓	✓	✓					✓					
Chiller, water source																	
IM-RC	79-2240 kW	✓		✓								✓	✓				

* HE and EL only available on certain models.
 Evaporator water (in/out) = 12/7°C; condenser water (in/out) = 30/35°C, based on Eurovent Standard (Water source).
 Desuperheater water (in/out); 40/45°C
 Recovery unit water (in/out) = 40/45°C
 Evaporator water (in/out); 12/7°C; condenser water (in/out) = 40/45°C (Heating mode).
 Unit in standard configuration/execution, without optional accessories.

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UNIT MODELS

Each unit within this range provides complete reliability and can easily be adapted at different thermal load conditions, due to precise thermoregulation. High performance is also achieved thanks to precise sizing of all internal components. Each unit within this collection features axial-flow fans (not including IM-W, IM2-W or IM-RC models), plate or shell and tube heat exchangers and thermo expansion valves. The body of the units are manufactured from galvanised epoxy powder coated steel with increased thickness; providing resistance from external wear. All models are fitted with a Carel LCD control panel; allowing the user to change settings easily and safely whilst analysing their temperature processes.

The IM-FC model provides economical free cooling, by making the most of cooler external air temperatures in the winter, to assist in cooling which can be used within various industrial processes or applications. Furthermore this function complies with applications where the use of Ethylene Glycol is not desired or permitted.

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