

Industrial Cooling Systems (ICS) i-Chiller iC416 Industrial Chiller



Stock No	CF671
Manufacturer	Industrial Cooling Systems (ICS)
Model	iC 416
Year of Manufacture	2016
Serial	2200289930
Condition	From a working environment, Current Model
Ave. cooling capacity	54kW
Ave. Water Flow Rate	3.6/12.6 (min/max)
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	400
External Dimensions (WxDxH mm)	770 x 2170 x 1440mm

Description

The ICS i-Chiller iC416 is an efficient industrial chiller designed for reliable, consistent cooling while helping reduce energy use and operating costs. Featuring an energy efficient scroll compressor, R410A refrigerant and microprocessor control, it provides dependable cooling for a wide range of industrial applications.

Benefits

- **Higher energy efficiency** - Thanks especially to the energy efficient scroll compressors, the oversized evaporator

and the refrigerant R410A, The iC-416 achieves leading energy efficiency levels. This is mated to low maintenance needs, ensuring TAEevo is a highly economical long-term proposition

- **Respect of Environment** - The eco-friendly refrigerant R410A (ODP=0) with outstanding heat conductivity, coupled with the low absorbed power level of the scroll compressors, reduce the environmental impact, minimizing the energy waste. Recyclable and high-quality materials ensure respect for the environment and reduces the carbon footprint.
- **Microprocessor Control** - TAEevo Tech features advanced microprocessor control technology, with all models fitted with a unique digital control. A comprehensive digital display keeps the user fully informed concerning the correct operation of the unit, warnings and alarms.
- **User Friendly** - The operation principle of the unit is displayed in a simple and intuitive synoptic sticker with a new design. The meaning of the codes of the main alarms shown on the display of the controller is easy to understand without the help of the instruction manual, thus facilitating the maintenance activities.

Suitable Applications

- **Plastics & rubber:** Presses, injection moulding, extrusion (sheet & profile), blow moulding, thermoforming, PET.
- **Lasers:** Cutting, welding, profiling, optics, medical, engraving.
- **Food & drinks:** Confectionery, bakeries, distilleries, breweries, wineries, dairies, bottling, carbonation, meat & fish processing, vegetable & salad processing, storage.
- **Chemical & pharmaceutical:** Jacketed vessels, polyurethane foam mixers, natural gas, industrial cleaning, laboratories, healthcare, solvents, paints.
- **Metal working:** Processing & transformation of precious metals, aluminium working & processing.
- **Mechanical & engineering:** Machine tools, welding machines, rolling mills, presses, extruders, cutting, profiling, polishing, electric spark machinery, hydraulic control unit oil cooling, pneumatic transport, heat treatment.
- **Paper & related applications:** Printers, cardboard, labels, plastic film.
- **Other applications:** Ceramics, textiles, wood, rental, air compressor cooling and other applications.

Features

- Refrigerant R410A
- Hermetic Scroll compressor
- High-efficiency finned coil evaporator with copper tubes and aluminium fins installed inside the water storage tank
- Axial fans with galvanized steel crescent-shaped blades
- Air-cooled condensers (copper tubes/aluminium fins) are fitted on one side of the chiller. Air filter as standard
- Storage tank (design pressure 6 bar) complete with P3 pump, filling/drain valve and pressure gauge
- Internal hydraulic bypass between the inlet and outlet connections
- Electronic level sensor with water conductivity function
- High and low refrigerant pressure switches
- Refrigerant pressure gauges
- Parametric microprocessor control
- Protection rating: IP54
- Phase monitor against phase loss and phase reversal
- Compressor crankcase heater

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.

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