




AIR COOLED CHILLERS

PRODUCT RANGE - 2018



Everything for the Chilled Water Market

 **ENERCOLD** specialises in Extremely High quality, High Efficiency and High reliability Design, Manufacture and Sales of Process Cooling equipment in the Middle East region.

The Middle East has a very harsh environment for cooling equipment, which usually results in short service life, with a lot of expensive repairs and frustrating Down time, not to

mention very poor cooling performance on the extremely hot days which can get to 50 Deg. C in the summer on occasion.

Great delivery times, often direct from stock, Strong Warranty and best in class Start up and Aftersales support make ENER-COLD a sensible choice for your Cooling Solutions.

Mini Air Cooled Chiller 25 to 150Kw



Our range of Air Cooled Chillers are you will need from our “one stop shop” solution provider, including Installation, Maintenance, Warranty and repairs.

We can supply everything from A to Z, just give us a call and we will come visit you to see how we can assist you in designing, specifying, engineering Chilled Water solutions for your projects. Including and Refrigeration solutions if also required.

Our systems are designed to be completely leak free, very long life with low running costs and simple maintenance routines.

All our chillers come with 3 year warranty.

On site start up assistance if required



Mid Size High Efficiency Air Cooled Chillers

110 to 485Kw / 32 to 137TR



2°C Evaporating - 12°C EWT - 7°C LWT - R407c @ 100% H2O Semi Hermetic compressors on VFD up to 60Hz																				
55°C Condensing					50°C Condensing				45°C Condensing				40°C Condensing				35°C Condensing			
Model	kW	Tr	kWe	COP	kW	Tr	kWe	COP	kW	Tr	kWe	COP	kW	Tr	kWe	COP	kW	Tr	kWe	COP
45	113.0	32.1	49.1	2.3	124.0	35.2	45.9	2.7	133.6	38.0	42.9	3.1	143.2	40.7	39.9	3.6	152.0	43.2	37.0	4.1
65	168.0	47.7	70.6	2.4	183.1	52.0	66.2	2.8	198.2	56.3	61.7	3.2	213.4	60.6	57.1	3.7	228.8	65.0	52.3	4.4
85	226.0	64.2	98.2	2.3	248.0	70.5	91.9	2.7	267.2	75.9	85.8	3.1	286.4	81.4	79.9	3.6	305.6	86.8	74.0	4.1
115	303.2	86.1	127.0	2.4	331.4	94.1	120.6	2.7	359.0	102.0	113.7	3.2	386.2	109.7	106.2	3.6	412.6	117.2	97.9	4.2
140	356.6	101.3	151.4	2.4	399.6	113.5	143.9	2.8	422.0	119.9	125.6	3.4	453.8	128.9	126.6	3.6	485.0	137.8	116.7	4.2
kW:		Refrigeration Duty			Tr:		Tons Refrigeration			kWe:		Electrical power			COP:		Coefficient of performance			

- Designed and Built for the Harsh Middle East environment
- High build quality to ensure maximum reliability
- Very efficient VFD driven Semi Hermetic compressors, very low power consumption
- Ready to run, fully tested in our factory, easy installation to save time on site
- Large variety of configurations and refrigerants available
- Options: Heat Pump variant, Heat Recovery, Scroll or Semi Hermetic Compressors, Electronic Expansion Valves, EC Condenser fans, Networked controllers.
- This Chiller is also available as a process chiller variant with built in buffer tank and hydronics
- This Chiller is also available in ATEX Zone 1 & 2



Large Air Cooled Chillers 600 to 1700Kw



- Designed and Built for the Harsh Middle East environment
- Robust Long Life Construction method
- Great footprint, high power to M² Ratio
- High build quality to ensure maximum reliability
- Very efficient, low power consumption
- Ready to run, easy installation to save time on site
- Large variety of configurations available
- Options: Heat Pump variant, Heat Recovery, Screw, Scroll & Semi Hermetic Compressors, Electronic Expansion Valves, EC Condenser fans, Networked controllers, Cu/Cu Condenser Coils, Shell & Tube or PHE, Hydraulics kits, Buffer tanks, Pump stations.

Process Chillers



- Designed and Built for the Harsh Middle East environment
- Robust Long Life Construction method, designed for the demanding dynamic nature of process cooling
- Great footprint, high power to M² Ratio
- High build quality to ensure maximum reliability
- Very efficient, low power consumption
- Ready to run, fully tested with built in buffer tank, pumps, valves, vents, flow switch, mass flow metering
- Large variety of configurations available, including ATEX zone 1 & 2
- Options: Heat Pump variant, Heat Recovery, Screw, Scroll & Semi Hermetic Compressors, Electronic Expansion Valves, EC Condenser fans, Networked controllers, Cu/Cu Condenser Coils, Shell & Tube or PHE, Hydraulics kits, Buffer tanks, Pump stations.

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