



Advanced Cooling- Chiller Hire Fleet 10/10/10

Rental Systems Available For;

- Process cooling
- Building Air conditioning
- Chilled water systems
- Low temperature refrigeration
- Ice rinks
- Events/film set cooling
- Data centre cooling
- Disaster recovery stand-by systems

London Docklands Engineering Depot

Wood Wharf Business Park
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City Branch

Unit 5, Atlantic House
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[Events Cooling](#)

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Advanced Cooling Hire is the specialist rental cooling division of the Advanced Cooling Group. We specialise in supplying temporary water chillers and space cooling systems nationwide.

The division was formed by the management team at Advanced Cooling Solutions which has been trading successfully in the air conditioning service industry for many years- specialising in water chillers. The company has built a solid reputation within the industry and with our many clients. We wanted to bring our engineering know-how to bear on the niche high capacity rental cooling market, supplying high quality reliable units and systems.

The high capacity temporary cooling sector presents unique challenges in terms of the capital and running costs required to maintain a large fleet. As a specialist in the field we are able to closely control these costs by sourcing high quality equipment from major manufacturers, and utilising our extensive engineering capabilities, operate it reliably with minimal downtime costs. These cost efficiencies can be passed onto the customer, meaning we can offer some of the most cost effective rates in the industry without compromising on standards of customer service or equipment reliability.

OUR RENTAL FLEET:

Specialist rental chillers and systems to suite all applications

Over 10 Megawatts of portable cooling capacity available for hire

Only chillers with an excellent record for reliability stocked

Large stocks of hosing, cabling, pumps etc. for fast turnaround

New to the fleet is the Star Refrigeration Turbocor water chiller. We are one of the very first companies to offer this technology to the rental cooling market. Please see further details below.

OUR SERVICE:

24/7 Nationwide next day service for most installations

Long and short term hire/ lease periods at unbeatable rates

All temporary systems designed to fully meet your requirements

24/7 technical back-up for complete peace of mind

call now for a quote

0207 739 1151

24hr technical support and advice line

0797 632 9294

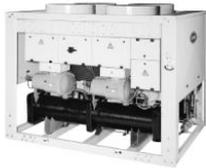
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rentals@advancedcooling.co.uk



Manufacturer: Carrier
Model: 30GX 207
Cooling Capacity: 705Kw

Classic Carrier machines combining innovative design, high build quality and ultimate durability.



A Carrier 30GX chiller

These machines are suitable for most applications including low temperature refrigeration and ice making. Their compact size and light weight makes them easy to transport and locate in confined areas, suiting them to temporary cooling installations where a portable, compact, powerful machine is required. Sophisticated controls allow them to adapt to all conditions- they keep running!



The high speed Carrier 06NA compressor

Features:

- Two independent refrigeration circuits using screw compressors
- Environmentally friendly R134a refrigerant used.
- Portable compact size and light weight for easy installation

Applications:

- Process and building cooling including data centres.
- Low temperature refrigeration and ice making.
- Base plant for portable space cooling systems.

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Application Keywords

Process Cooling Hire
 Data Centre Cooling
 Air Conditioning Hire
 Ice Rink Chiller Hire
 Carrier Water Chiller Rental
 Factory Production Cooling
 Refrigeration Hire

Technical Specification		Physical specifications	
cooling capacity@ Eurovent cond	705Kw	Weight	5520
Total power input, Kw	242	Height, mm	2297
Nominal amps	413	Width, mm	2254
Refrigerant type	R134a	Length, mm	5994
Refrigerant charge, Kg	124-81	Sound pressure, dB(A) 10-12	102
Refrigerant circuits/ compressors	2/ 3	Supply cable nom. size, mm ²	350
Capacity steps	8	Water connection, mm	150
Minimum load, %	16		

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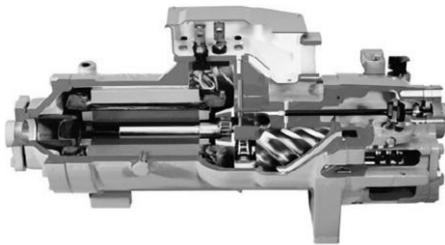


The Trane ERTAB water chiller

Manufacturer: Trane
Model: ERTAB 212
Cooling Capacity: 330Kw

Excellent reliable machines from one of the leaders in the water cooling industry.

Excellent design and build quality make this possibly one of the most reliable and adaptable units ever made. We have one of these chillers installed on a long term lease contract that hasn't stopped in 18 months. The Trane Adaptive control system maintains very close control of water flow temperature- typically + - 0.2 degrees. Highly recommended for all temporary cooling applications. Very reliable for low temperature refrigeration work.



The Trane Helixrotor CHHB screw compressor

Features:

- Two Independent refrigeration circuits using screw compressors
- Adaptive temperature control for very accurate leaving water temperature control.
- R404A refrigerant

Applications:

- Process applications where accurate water temps are req.
- Building air conditioning systems and data centres
- Ice Making/ Ice rinks and low temperature refrigeration.

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Application Key

- Air Conditioning Rental
- Trane Chiller Hire
- Process Cooling Hire
- Ice Making/ Ice Rinks
- Low Temperature Refrigeration
- Accurate Temperature Control
- Events Cooling
- Data Centre Cooling Hire

Technical Specification		Physical specifications	
cooling capacity@ Eurovent cond	330Kw	Weight, Kg	2680
Total input power, Kw	124	Height, mm	2265
Max amps	281	Width , mm	2146
Refrigerant type	R404A	Length, mm	
Refrigerant charge, Kg	2x29	Sound pressure, dB(A) 10-12	No data
Refrigerant circuits/compressors	2/ 2	Supply cable nom. size, mm	200
Capacity steps, %	100-17	Water connection, mm	125
Minimum load, %	17		

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The Trane ERTAB hire chiller

Manufacturer: Trane
Model: RTAB 110
Cooling Capacity: 283Kw

Single screw versions of the 212 machine.

Essentially the same machine as the 212 but with a single refrigeration circuit and large screw compressor. Once again, very reliable hire units with great controls and build quality. Excellent hire chillers.



Trane emergency chiller hire system, serving building air conditioning and computer rooms

Features:

- One refrigeration circuit using a screw compressor.
- Adaptive temperature control for very accurate leaving water temperatures.
- R404A refrigerant

Applications:

- Process applications where accurate water temps are req.
- Building air conditioning systems and data centres
- Ice Making/ Ice rinks and low temperature refrigeration.

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Application Key

- Air Conditioning Rental
- Trane Chiller Hire
- Process Cooling Hire
- Ice Making/ Ice Rinks
- Low Temperature Refrigeration
- Accurate Temperature Control
- Events Cooling
- Data Centre Chiller Hire

Technical Specification		Physical specifications	
Cooling capacity@ Eurovent cond	283Kw	Weight, Kg	2430
Total power input, Kw	101.5	Height, mm	2265
Max amps	232	Width, mm	2146
Refrigerant type	R404A	Length, mm	3327
Refrigerant charge, Kg	50	Sound pressure, dB(A) 10-12	No data
Refrigerant circuits/compressors	1/ 1	Supply cable nom. size	200
Capacity steps, %	100-20	Water connection,mm	125
Minimum load, %	20		

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A Trane ECGAN 212 packaged water chiller

Manufacturer: Trane
Model: ECGAN 212
Cooling Capacity: 390Kw

Completely self contained packaged water chillers.

Another very reliable machine from Trane. Two refrigeration circuits featuring 6 scroll compressors for good multi-stage control and lower inrush currents. These hire chillers have pumps, expansion vessels and tanks fitted- a complete, compact, rental cooling package.

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Application Key

- Trane Chiller Rental
- Air Conditioning Rental
- Temporary Process Cooling
- Temporary Cooling Hire
- Emergency Chiller Hire
- Events Cooling
- Film set Cooling
- Packaged Water Chiller
- Temporary Factory Cooling

Features:

- Two refrigeration circuits.
- Adaptive temperature control for very accurate control
- Fully self contained, includes pump, tank and expansion vessel.

Applications:

- Process applications where accurate water temps are req.
- Building air conditioning systems and data centres
- Base plant for temporary space cooling plant.

Technical Specification		Physical specifications	
Cooling capacity@ Eurovent cond	390Kw	Weight, Kg	3370
Total power input, Kw	139	Height, mm	2323
Nominal amps	326	Width, mm	2230
Refrigerant type	R407C	Length, mm	5135
Refrigerant charge, Kg	56-56	Sound Pressure, dB(A) 10-12	96
Refrigerant circuits/compressors	2/ 6	Supply cable Nom. size, mm	240
Capacity steps	6	Water connection, mm	100
Minimum load, %	17		

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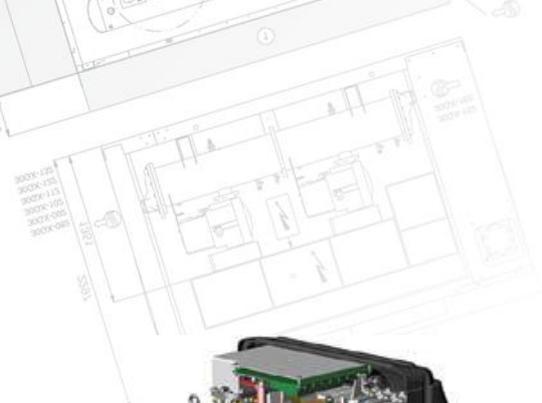
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Turbocor compressor cutaway

Manufacturer: Star Refrigeration
Model: Indigo Turbocor Chiller
Cooling Capacity: 750Kw

A Star Refrigeration water chiller featuring the cutting edge Turbocor compressor technology.

Built to Stars very high standards and featuring the Turbocor oil-less compressor makes this one of the most efficient chillers available to the rental market today. The magnetic frictionless bearings, low starting current and high low load efficiencies give the Turbocor compressor major advantages over other commonly used compressor technologies. Highly recommended for longer term lease periods where energy efficiencies can lead to considerable cost savings.



Internal view of the rental unit showing the compressors and flooded evaporator

Features:

- Fitted with 3 Turbocor magnetic bearing compressors.
- One refrigeration circuit using environmentally friendly R134a refrigerant
- High efficiency- reduced costs

Applications:

- Process applications
- Building air conditioning systems and data centres
- Ice Making/ Ice rinks and low temperature refrigeration.

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Application Key

Turbocor Chiller Hire
 High Efficiency Water Chiller
 Chiller Leasing/ Hire Purchase
 Turbocor Compressor
 Reduced Energy Costs
 Cheaper Rental Costs
 Low Long Term Hire costs

Technical Specification		Physical specifications	
Cooling capacity @ Eurovent con	750	Weight (kg)	10197
Total power input, Kw	261	Height (mm)	2350
Nominal unit amps	450	Width (mm)	2300
Refrigerant type	R134a	Length (mm)	9100
Refrigerant charge, Kg	180	Sound pressure, dB(A) 10-12	65
Refrigeration circuits/compressors	1/ 3	Supply cabling nom. size, mm	350
Capacity steps, %	100-5	Water Connection, mm	150
Min. load %	>5		

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A Climaveneta SRAT chiller

Manufacturer: Climaveneta
Model: BE/ SRAT/ SL-3603
Cooling Capacity: 950kw

A reliable, super low noise, high capacity water chiller.

This machine has been modified by us into two sections making this a modular unit that can be used in a 650 or 950kw configuration. Its modular sections can also be fitted into more awkward areas than a standard machine of this size- an excellent rental choice for all process and air conditioning hire applications. Its low noise design keeps the neighbours happy to! **Standard machines also available for high capacity applications.**



The modified Modular SRAT chiller installed providing emergency process cooling

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Application Key

Climaveneta Rental Chiller
 Ultra Low Noise Hire Chiller
 Modular Rental Water Chiller
 Portable Temporary Chiller Hire
 High Capacity Rental Chiller
 Emergency Data Centre Cooling
 Long Term Water Chiller Leasing

Features:

- Very low noise design.
- Modular sections- can be used in a 650 or 950kw configuration
- Modular sections can be fitted into awkward areas and transported more easily.

Applications:

- Process applications
- Building air conditioning systems and data centres
- Ideal in high density residential areas where low noise is critical.

Technical Specification		Physical specifications	
Cooling capacity @ Eurovent con	950	Weight (kg) Total both sect.	12000
Total power input	473	Height (mm)	
Nominal unit amps	799	Width (mm)	
Refrigerant type	R407C	Length (mm)	
Refrigerant charge, Kg	3x125	Sound pressure, dB(A) 10-12	
Refrigeration circuits/compressors	3/ 3	Supply cabling nom. size, mm	480
Capacity steps	12	Water Connection, mm	150
Min. load %	8		

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A Daikin EUWAT rental chiller



EUWAT* 160 - 200 KX

High quality compact design

Manufacturer: Daikin
Model: EUWAT 120 KAXY
Cooling Capacity:

Typical high Daikin build quality, reliability and compact size make these machines an excellent choice for all hire applications. Featuring two compressor circuits fitted with the very durable Daikin single screw compressor. Excellent hire chillers.

Features:

- Very reliable Daikin single screw compressors fitted.
- Two refrigeration circuits using environmentally friendly R134a refrigerant
- Compact size/ weight.

Applications:

- Process applications
- Building air conditioning systems and data centres
- Ice Making/ Ice rinks and low temperature refrigeration.

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Application Key

Daikin Water Chiller Hire
 Air Conditioning Hire
 Portable Compact Cooling
 Process Cooling
 Film Set Cooling Rig
 Events Cooling Rig
 Climate Hire
 Ice Making/ Refrigeration

Technical Specification		Physical specifications	
Cooling capacity @ Eurovent con	316	Weight (kg)	3260
Total power input, Kw	130	Height (mm)	2156
Nominal unit amps		Width (mm)	2210
Refrigerant type	R134a	Length (mm)	3980
Refrigerant charge, Kg		Sound pressure, dB(A) 10-12	98
Refrigeration circuits/compressors	2/ 2	Supply cabling nom. size, mm	200
Capacity steps	8	Water Connection, mm	125
Min. load %	12.5		

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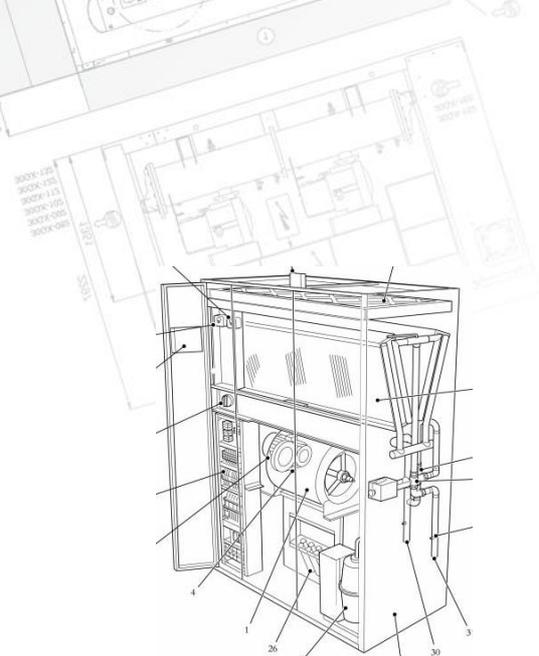
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The Airedale Alphacool close control unit



Trane packaged water chillers supply chilled water

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Application Key

- Temporary Events Cooling
- Marquee Air Conditioning
- Film Set Cooling/ Smoke Extract
- Air Filtration
- Temporary Climate Control
- Factory/ Warehouse cooling hire
- Production Area Air Conditioning
- Data Centre Cooling/ Close Control
- Disaster Recovery Stand-by

TEMPORARY SPACE COOLING RIGS

Cooling Capacity: 50-300Kw

Completely self contained space cooling hire rigs, featuring water chillers and Airedale close control fan coil units.

These versatile systems are suited to all large scale temporary space cooling applications, including amongst others, exhibitions/ events, film sets, marquees/ temporary structures, data centres and factory production areas.

The fan coil units feature high pressure scroll fans, which, along with flexible ductwork get the air to where you need it reducing hot spots. The fitted filters and high air turnover/ movement ensure a cooler cleaner environment with less dust.

Another useful feature is the "Air Dump". When activated this function sets all machines to exhaust mode, discharging air out of a building instead of re-circulating it- particularly useful on film sets where smoke/ vapour is generated requiring quick removal.

The complete system can be centrally controlled from a laptop with simple to understand graphics. System status can be viewed and controlled as required from this point with one button control of temperature set-points and functions such as Air Dumping. Very close control of the working environment is possible in this way.

Features:

- High volume air movement reduces hot spots.
- Fully computer controlled for ease of use and close temperature control
- Air Dumping and filters clean the air removing dust/smoke

Applications:

- Film sets, large events, Marquees- climate control, exhibitions.
- Data centre disaster recovery- Additional temporary cooling.
- Temporary refrigeration of structures and spaces.

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