

Heavy Equipment | coolers





Olaer is a global player specialising in innovative, efficient system solutions for temperature optimisation and energy storage.

All over the world, our products are working in the most diverse environments and applications.

A world leader

in Fluid Management

Olaer large coolers for heavy duty equipment have maintained an excellent quality during field testing, confirming that the design will provide the kind of strength and durability required for heavy duty applications.

Olaer is a world leader in “fluid management” producing accumulator and cooler products. We are focused on our component specialities, not on becoming a systems integrator or field servicing company. We are proud of the fact that we respect our customers’ business and that our people behave with a high degree of integrity. We can be your trusted partner.

We are capable of producing highly engineered customised solutions in the most demanding applications and are confident that with our local presence, long experience and wealth of knowledge combined with our leading edge product offering, that we can give you the best possible conditions for making “the professional choice”.



Olaer Group Ltd.

A handwritten signature in blue ink that reads "M Blenkinsop".

Mike Blenkinsop

Chief Executive



Olaer supplies heavy equipment coolers to Cargotec's MacGregor Active Heave Compensated (AHC) offshore cranes.

High cooling performance

and durable strength

With broad knowledge in the field of hydraulic equipment, Olaer offers cooling solutions for installation on offshore vessels and rigs including cranes and subsea load-handling. Olaer also supplies coolers for winch systems for offshore operations.

Devising innovative cooling systems is a central part of our activity. We constantly work closely with the market in order to satisfy even the most exacting quality demands.

Olaer marine air oil coolers are optimized to deal with corrosion attacks, such as marine, offshore and coastal environments and environments with a high level of contamination such as chemical industries, refineries etc. All components made in steel are pre-treated and

painted to corrosion category C5 according to ISO 9223:1992.

The cooler matrix is tested and approved to IEC 60068-2-52, which includes salt spray tests. This test is intended for equipment placed unprotected on open deck, masts, below floor plates in engine room and other places where it can be exposed to salt fog/brine solutions.

Olaer offers an extensive line of custom-engineered coolers with high performance and durable strength, i.e. long service life and excellent qualities. This is a result of extensive research, development and testing in our own laboratory. No product will be approved for delivery until meeting our exacting requirements.

Controlled temperature!

In the world of off-road vehicles such as trucks and other materials-handling vehicles, the stress is on more, i.e. more generated power, more excavating strength, more carrying capacity and more break-out force. The systems that operate to allow this increase in power are put under more strain. As engines are designed to produce more power, the amount of heat generated increases. Olaer's design engineers are constantly facing the challenge of keeping operating temperatures under control.

Machines, to which we supply cooling solutions, are frequently working in tough and stressful environments. In spite of dust, dirt and mud, extreme heat or cold, corrosive and humid environment, long-term operation and during other forms of stress, optimal cooling must always be present to ensure a reliable operation of the machine.

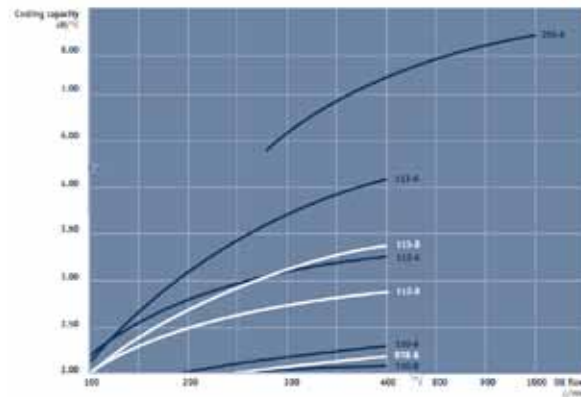
Furthermore the working environment should be safe and pleasant. All this is taken into consideration from the very beginning in our calculations and design.



Large standard coolers

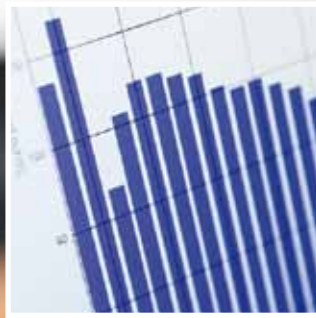
Olaer's large-sized standard coolers are used in hydraulic drive systems for industrial heavy duty applications. These compact, efficient and reliable drive systems are operating in industries such as windpower, mining, oil and gas, pulp and paper, offshore, marine and offroad construction equipment, etc.

Olaer's large standard coolers up to 300 kW have been designed taking into consideration the particular requirements of strength, power and durability required for heavy duty applications.



Atex approved

Olaer also offers ATEX-certified air oil coolers both AC and hydraulic motor driven, which meet the requirements of ATEX 94/9/EC, Equipment Group II, 2G and 2D, i.e. approved for use in surface applications zone 1 and in zone 21, i.e. in areas in which explosive atmospheres caused by mixtures of air and gases, vapours mists or air/dusts mixtures are likely to occur in normal operation occasionally.





Performance guarantee provides greater confidence! Our standard air oil coolers are provided with documented tests for cooling capacity, noise level, pressure drop, fatigue, leaks and they are all CE-marked.

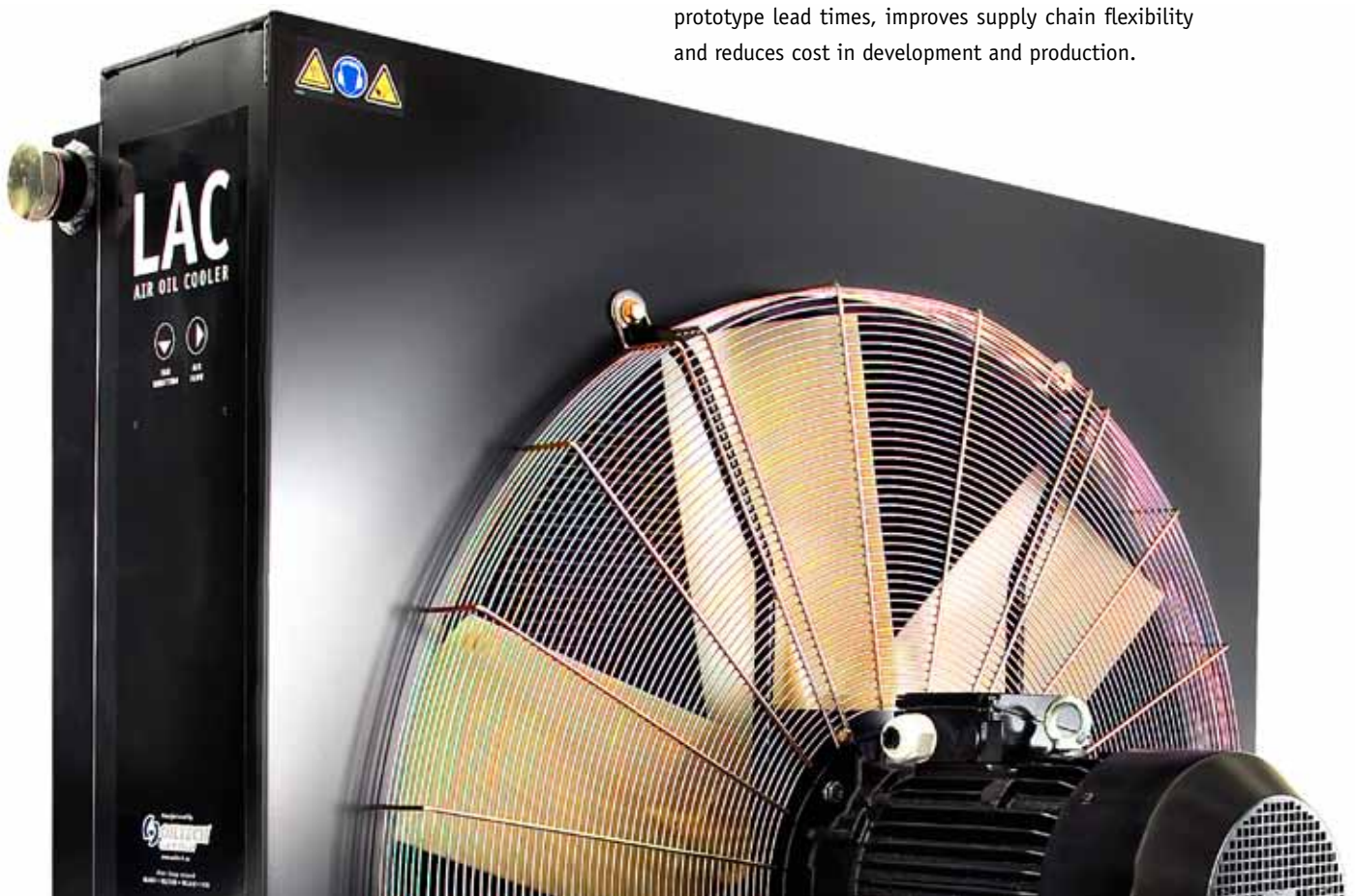
Development partner

Optimal dimensioning produces efficient cooling. Correct dimensioning requires knowledge and experience. Olaer's calculation program, combined with our engineers' support, gives you access to this very know-ledge and experience. The result is more cooling per € invested.

We have invested heavily in our expert team of people who have a unique set of experience, hardware and software to be the leading development partner. Working closely with our customers, we are able to accurately model the behaviour of the product in the field. Both by computer simulation and by physical product testing to ensure the best possible functionality.

As can be seen from our product portfolio, Olaer is capable of delivering a full range of cooling solutions depending on the application. This gives us an advantage compared to single product suppliers and facilitates a faster development process for the customer, as we are not biased in our product selection.

We are capable of development and supply on 3 continents and have personnel based in our head-quarter teams who are capable of supporting our local people with further knowledge when necessary. Due to the breadth of experience in Olaer, often the specific solution required can be made from using combinations of existing components. This shortens prototype lead times, improves supply chain flexibility and reduces cost in development and production.





- in Fluid Energy Management

Global perspective

and local entrepreneurial flair



Olaer is a global player specialising in innovative, efficient system solutions for temperature optimisation and energy storage. Olaer develops, manufactures and markets products and systems for a number of different sectors, e.g. the aircraft, engineering, steel and mining industries, as well as for sectors such as oil and gas, contracting and transport, farming and forestry, renewable energy, etc.

All over the world, our products operate in the most diverse environments and applications. One constantly

repeated demand in the market is for optimal energy storage and temperature optimisation. We work at a local level with a whole world as our workplace – local entrepreneurial flair and a global perspective go hand in hand.

Our local presence, long experience and a wealth of knowledge combine with our cutting-edge expertise to give you the best possible conditions for making a professional choice.