

Parker Product Datasheet



Suitable for most Industrial applications, the LAC air oil cooler series offers an efficient and robust design and is available in a range of cooling capacities from 1kW to 300 kW. Please use the sizing software for proper cooler sizing.

PART NUMBER: LAC2-0234AC00000000S0JB0
PRESSURE DROP: 2,9 bar at 250 l/min Oil flow, At 30 cSt
MOTOR POLE COUNT: 4
CONNECTION THREAD SIZE (INCH): G1
NOMINAL SIZE: 023
MAXIMUM COOLING CAPACITY (KW): 32 kW at delta T 40°C Oil flow 200 l/min
INPUT VOLTAGE (AC): 230/400V 50Hz - 265/460V 60Hz
PRESSURE RELIEF VALVE (BAR): None
TEMPERATURE MEASUREMENT RANGE (C): None

PRODUCT OVERVIEW

The Parker LAC air oil cooler series offers a reliable and efficient cooling system with the additional benefits of short lead times and 48 delivery for some part numbers. With its simple and robust design and wide selection of accessories this range will suit all industrial applications with a high voltage electric source.

The Parker LAC air oil cooler is quiet in operation and offers a low pressure drop and high cooling capacity. It has a single-phase or three-phase AC-motor and is also available in two special versions:

- With ATEX approval for use in potentially explosive atmospheres above ground (LAC-X series)
- With extra corrosion protection, for use in marine/offshore applications (MAC series)

The LAC size 200, which is unique on the market offers a cooling capacity of 300 kW at an estimated temperature difference of 40°C.

Markets:

- Oil and Gas
- Industrial
- Mobile
- Renewable Energy

Features/Benefits:

- Quiet fan and fan motor.
- Efficient and robust design which extends operating lifetime and reduces service and maintenance costs
- Cooler matrix with low pressure drop and high cooling capacity.
- Easy to maintain and easy to retrofit in many applications.

The correct working temperature produces a number of economic and environmental benefits:

- The hydraulic system's useful life is extended.
- The oil's useful life is extended.
- The hydraulic system's availability increases – more operating time and fewer shutdowns.
- Service and repair costs are reduced
- High efficiency level maintained in continuous operation – the system's efficiency falls if the temperature exceeds the ideal working temperature.

Applications:

- Power Units
- Lubrication Systems
- Marine Cranes
- Presses
- Wind Power

We have included a small selection of part numbers, for more options please download the LAC air oil cooler brochure or contact your local Parker sales office. Cooler product selector software to view 3D Models, product literature and sizing software is also available. You can also download our Cooler Sizing Software to select a cooler (in the Product Support tab).

Previously branded as Oiltech and Olaer.

TECH SPECIFICATIONS

DIVISION	Hydraulic Actuator Division Europe
MAXIMUM OPERATING PRESSURE	21 bar
LENGTH	584 mm
PRODUCT TYPE	LAC2-023-4-D-00-000-0-0
WEIGHT	36 kg
WIDTH	580 mm
HEIGHT	610 mm
MAXIMUM FLOW RATE	260 L/min
OPTIONS	None