

Parker Product Datasheet



The LOC Air Oil Cooling System with AC-motor and pump provides cooling up to 45kW. Its robust construction makes it suitable for most applications and environments. Please use the Sizing Software on the Product Support Tab for proper cooler sizing.

PART NUMBER: 5849023001

SIZE: 23

PUMP SIZE (CC/REV): 30

PRODUCT OVERVIEW

The LOC cooling system with three-phase AC motor is optimized for use in the industrial sector. The system is supplied ready for installation and an integrated circulation pump makes it possible to cool and treat the oil in a separate circuit – offline cooling. The cooling system can also be equipped with a Parker filter unit. Together with a wide range of accessories, the LOC cooling system is suitable for installation in most applications and environments. The maximum cooling capacity is 45 kW at ETD 40 °C.

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Markets:

- Industrial
- Renewable energy

Features/Benefits:

- Quiet fan and motor.
- Integrated circulation pump produces an even flow with low pressure pulsations

- 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.
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- 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
- Presses
- Wind power

We have only included a small selection of part numbers, for more cooler options please download the LOC brochure or contact us.

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	10 bar
FOR FLUID TYPE	Mineral Oil
APPLICATION	'Power Units, Lubrication Systems, General industry
LENGTH	729 mm
PRODUCT TYPE	LOC3-023-4-D-B-0-00-000-0-0-0-0
MATERIALS OF CONSTRUCTION	Plastic

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WEIGHT	53 kg
WIDTH	684 mm
HEIGHT	610 mm
MOTOR TYPE	230/400V 50Hz or 460-480V 60Hz
MOTOR TYPE	Three Phase
NOISE LEVEL	77 dBA
PORT SIZE	G1 inch
INPUT VOLTAGE	400 VAC @ 50 Hz
INPUT VOLTAGE	230 VAC @ 50 Hz
MAXIMUM FLUID TEMPERATURE	110 °C
CONNECTION THREAD SIZE	G1-1/2 inch
SWITCH OPTION	None
FREQUENCY	50/60 Hz
BYPASS OPTION INCLUDED	'No bypass
MAXIMUM COOLING CAPACITY	0.53 kW/°C
MOTOR POWER OUTPUT RATING	1.5
NOMINAL FLOW COEFFICIENT	40 L/min
BYPASS VALVE PRESSURE RATING	None