



Laing DDC-pump 12V DDC-1T

\$73.99

Product Images





Short Description

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This pump is the first pump in the world that is used in mass-produced water-cooled workstations and is ideally suited for water cooling of processors and electronic components. Due to its size and performance, the can also be used in a variety of applications.

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This pump is the first pump in the world that is used in mass-produced water-cooled workstations and is ideally suited for water cooling of processors and electronic components. Due to its size and performance, the can also be used in a variety of applications.

This DDC pump is an electronically commutated spherical motor pump with running times of well over 50,000 hours at 12 volts. The only moving part on a spherical motor pump is a spherically shaped rotor / impeller unit, which is supported on an ultra-hard, wear-resistant ceramic bearing ball. There is no conventional shaft with shaft bearings and shaft seals. The spherical bearing of the rotor / impeller unit on the ceramic bearing ball offers a multitude of advantages: The creation of bearing play - and thus an increase in noise - is not possible due to the principle involved. This means that the pump remains quiet throughout the entire running time. The bearing is self-adjusting. It is lubricated directly by the pumped medium (wet-running pump). Maintenance is therefore not necessary.

Blocking the pump is normally not possible. A safe start-up is ensured even after a long standstill. The permanent magnetic rotor / impeller unit is driven by a magnetic field that is generated by the surrounding stator. This is built completely around the rotor. At 38 mm, the complete pump is only slightly higher than the stator itself. It fits easily into all standard PC, barebone and mini PC housings. A separate magnetic shield is normally not necessary. The spherical motor principle enables economical operation with comparatively high performance. By varying the voltage, the DDC direct current pump can be controlled easily and over a large

output range. All parts in contact with the medium are completely corrosion-resistant.

Features

Note: The pump is the latest revision.

* IMPORTANT: We recommend the use of schmierfähigem addition of water (such as AT Protect Plus or Innovatek Protect). Anti-Corro-Fluid is not recommended.

ATTENTION: Due to the power of the pump must min with only one cycle. 1 cooler run. When operating without a load can burn out the pump.

Important: The Laing pump's electronics are not waterproof. Please make sure that the electronic components do come not in contact with water during installation or when working on the pump. When replacing the top Always Ensure a proper fit of the O-ring seal and avoid spills when filling the reservoir Laing. Damages due to water in the electronic components are not replaced by Laing!

Specifications

- Dimensions: (WxLxH) 62x62x38mm (without connections)
- Motor design: Electronically commutated spherical motor
- Rated voltage: 12 V DC direct voltage
- Zul. Voltage range of 6 to 13.2 volts
- Conveyor height at 12V: 3.7m
- max. Flow rate: 420L / h
- Fluids: Water, water-/glycol
- Maximum system temperature: 60 ° C
- Wetted parts: Stainless steel 1.4571, PPS-GF40, EPDM O-rings,
- Alumina, hard coal
- Connectors: 2x 10/8mm hose connection (no grommet required)

Delivery:

Laing DDC-Pump 12V DDC-1T

Pump Tachometer: With 3-pin Molex connector for pump pulse output (for motherboards or control units)

Additional Information

Brand	Alphacool
SKU	AC-49064
Weight	2.0000
Color	Black
Pump Type	DDC
Pump Voltage	12 VDC

