

039202500H

# PDE Electric cooling pump



The powerful electric coolant pump PDE is an innovative solution for the thermal management of hybrid and full electric vehicles, as well as for stationary applications as a circulation pump.

The centrifugal pump ensures efficient circulation of glycol-water mixtures and, despite its low weight of only 700g, can pump up to 1200 liters per hour at a pressure of 1.7 bar. The speed can be precisely controlled via the PWM and (if required) LIN interface, which regulates the coolant flow rate and optimizes the efficiency of the circuit. The pump, which is equipped with an integrated diagnostic function, also enables precise and differentiated error feedback.

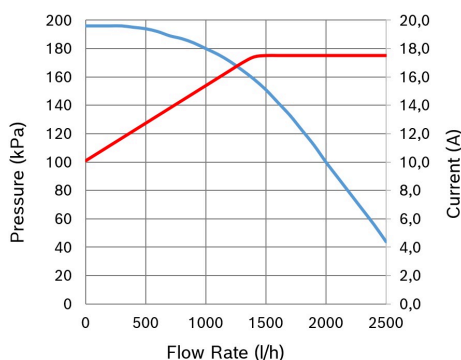
The PDE is characterized by a wide range of applications and can be used for various heating circuits in addition to cooling.

- **Degree of protection:** IP6KX, IPX7, IPX9K
- **Operating mode:** S1
- **Nominal Voltage:** 12 V

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## Product Specification

### Technical data and performance curve



**Flow rate (l/h):** 1200

**Nominal pressure (bar):** 1.7

**Nominal Voltage (V):** 12

**Weight (kg):** 0.7

**Control:** PWM

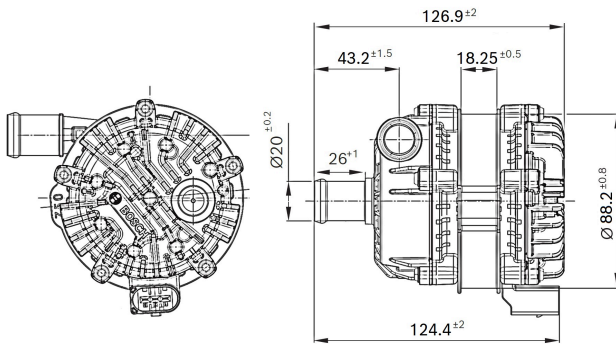
**Medium:** Water/Glycol (50/50)

Product images and pictures are for demonstration purposes only, the actual product may differ from the picture shown. The quotation drawing is binding.

Robert Bosch GmbH, Auf der Breit 4, 76227 Karlsruhe, Germany [www.bosch-ibusiness.com](http://www.bosch-ibusiness.com)



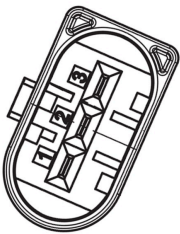
## Dimensions



Please contact us if you need a 3d model

[Contact](#)

## Connector



+ Pin 3  
S Pin 2  
– Pin 1

### Housing:

- Hirschmann 3-way, coding A [805-199-521]

### Terminal:

- Kostal SLK 2.8 [22124492075]

### Seal:

- Kostal [10800444523]

## Features and Benefits

- Battery cooling
- Inverter cooling
- E-motor cooling
- E-axle cooling

## Downloads

You may also be interested in:

To Product family: [Catalogue](#)

