

Centrifugal Pump IFC 1600-1

Article-No.: Z-P 2200 0550



Design	
Weight	370 g
Motor control	Self-sensing
Hydraulic power	1600 l/h at 1 bar
Voltage range	9-60 VDC
Motor	BLDC

Main Characteristics

Electrically powered high-performance pump for water circuits or circuits with dielectric fluids.

Redundancy system with a 2 x 3-phase BLDC motor and two power controllers. In case of emergency, the overall system is designed to maintain system functions and system performance in the event of a winding or power controller failure.

Intelligent performance control depending on load status, processor temperature and ambient/medium temperature (IFC = Intelligent Flow Control).

Performance data at 50°C medium Water/Glycol: 1600 l/h at 1 bar

Function

Pump: Centrifugal pump

Motor: BLDC, external rotor

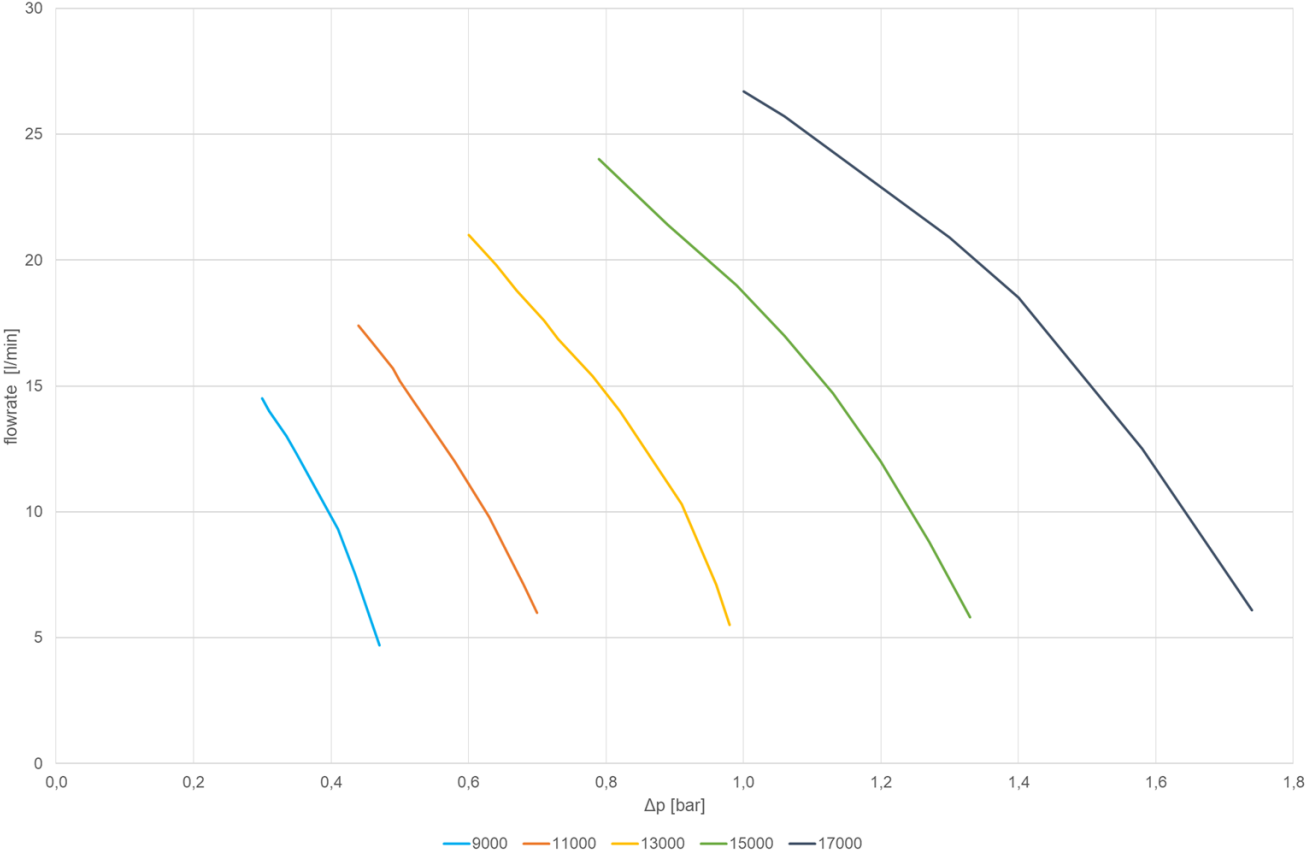
Control electronics: Customer-specific interfaces (CAN, LIN, UART, etc.) available, alternatively, ON/OFF

Software: To integrate our product into the CAN vehicle architecture, we automatically supply the DBC-file if required

Dimensions and Connections

- Length: 131 mm (with electric connection: 146 mm)
- Width: 86 mm
- Height: 64 mm
- Hydraulic connections: -10 Wiggins tube connectors
- Electric connection: 8STA0 10-98 PN, on vehicle side 8STA6 10-98 SN
- Mounting: 4 M5 screws

Measurements – Operating Points



Medium: Water/Glycol 40%, 50°C medium temperature