

Centrifugal Pump IFC 8000-3

Article-No.: Z-P 2000 1000



Design	
Weight	1130 g
Motor control	Self-sensing
Hydraulic power	8000 l/h at 3 bar
Voltage range	9-60 VDC
Motor	BLDC

Main Characteristics

Electrically powered high-performance pump for water circuits or circuits with dielectric media. Equipped with a BLDC motor and intelligent control electronics (using IFC, Intelligent Flow Control).

Intelligent performance control depending on load status, processor temperature and ambient/medium temperature

Performance data at 55°C medium Water/Glycol: 8000 l/h at 3 bar

Function

Pump: Centrifugal pump

Motor: BLDC, external rotor

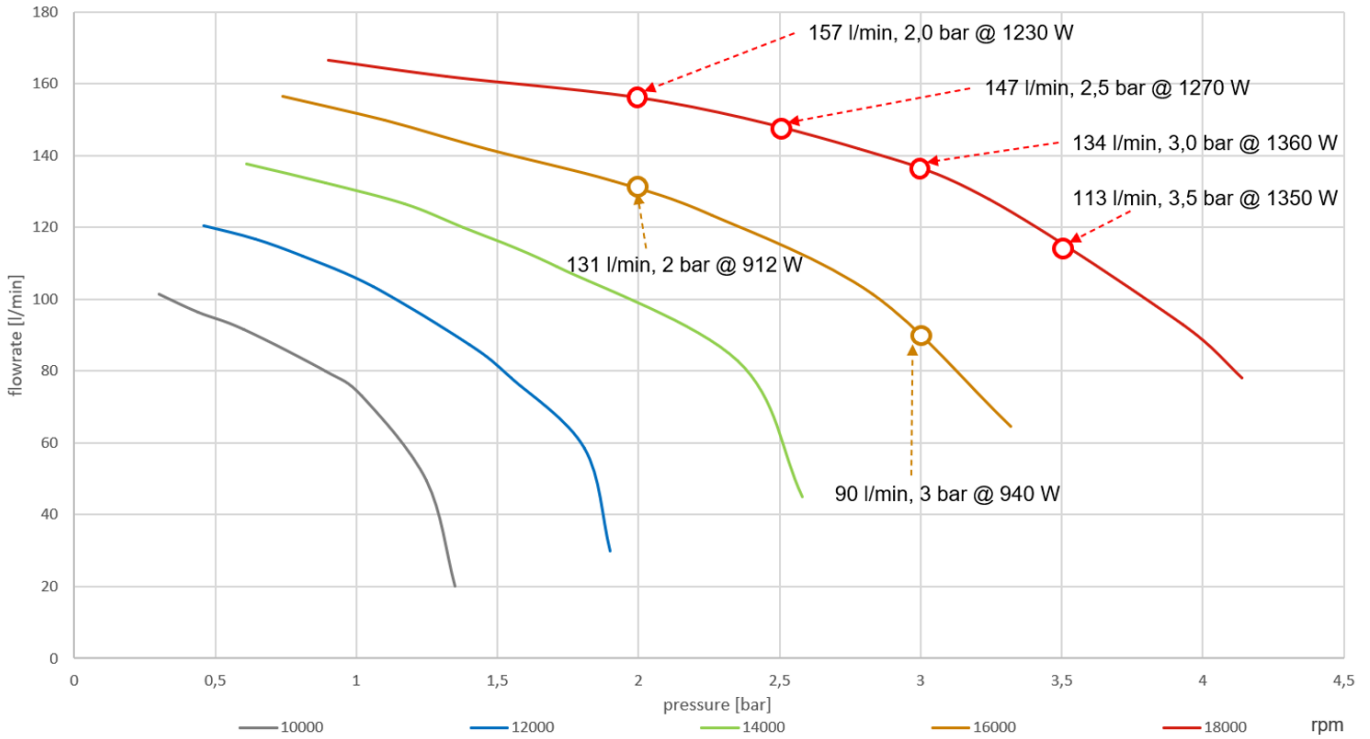
Control electronics: Customer-specific interfaces (CAN, LIN, UART, etc.) available, alternatively, ON/OFF

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

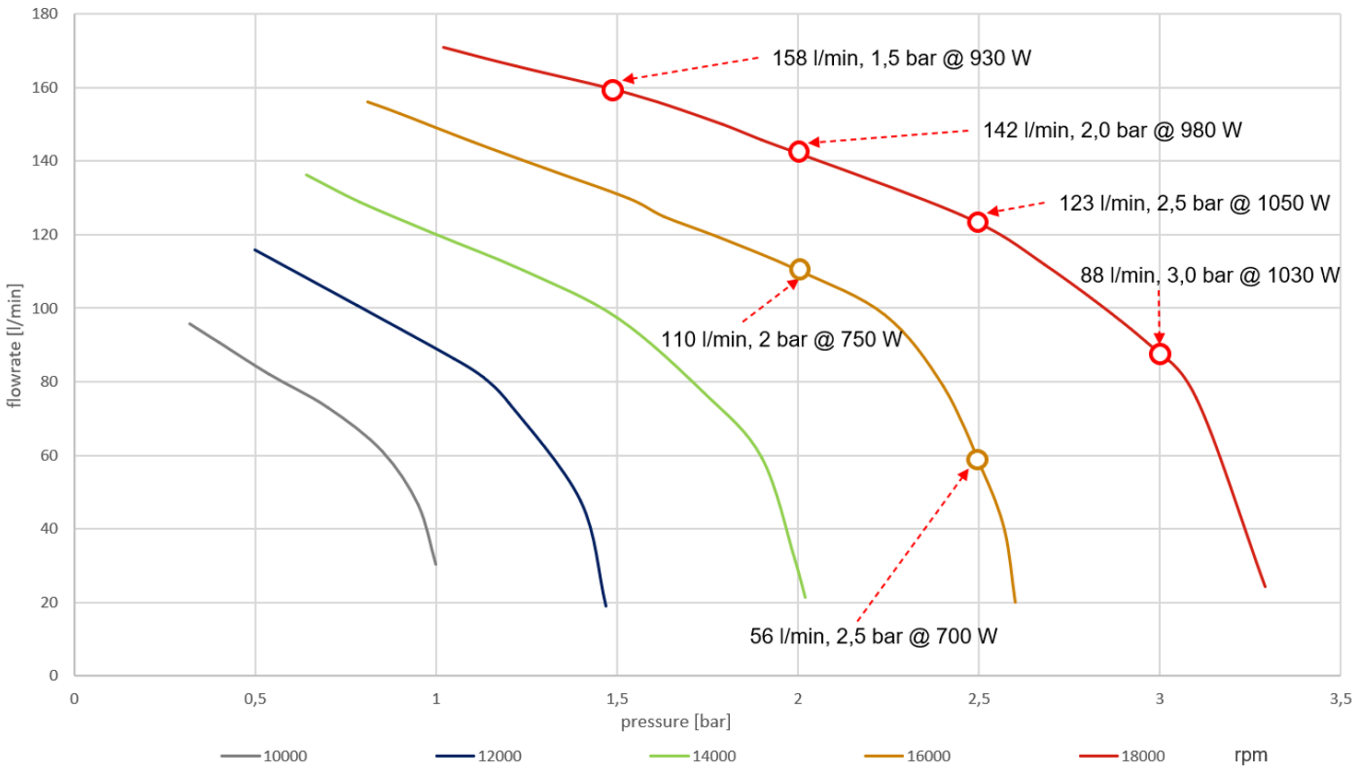
Dimensions and Connections

- Length: 178 mm
- Width: 124 mm (with electric connection: 127 mm)
- Height: 111 mm
- Hydraulic connections: -20 Wiggins tube connectors
- Electric connection:
 - o Power: 8STA0 16-75 PN251, on vehicle side 8STA6 16-75 SN251
 - o Control: 8STA0 02-05 SN, on vehicle side 8STA6 02-05 PN
- Mounting: 3 M6 screws

Measurements – Operating Points



Medium: Water/Glycol G12+ (15%), 55°C medium temperature



Medium: Paratherm LR, 40°C medium temperature