

Plunger Pump IFC 15-170

Article-No.: Z-P 2000 0201



Design	
Weight	670 g
Material Pump	Aluminum / Stainless Steel / Gunmetal
Motor control	Sensored or self-sensing
Hydraulic power	250 ml/min at 170 bar
Voltage range	9-60 VDC
Motor	BLDC

Main Characteristics

- Electric-powered high-performance pump with BLDC-motor and intelligent control electronics for high-pressure circuits with brake fluids
- High-pressure pump especially for cars with an electric powertrain, e.g., for brake-by-wire braking systems
- Power control: Depending on load status, processor temperature, and ambient/medium temperature
- Performance data at 50°C medium / 50°C ambient temperature: up to 250 ml/min (15 l/h) at 170 bar; 100 W
- Optimized for 100-250 ml/min (6-15 l/h) at 170 bar; 40-100 W

Function

Pump: Plunger pump

Motor: BLDC external rotor

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

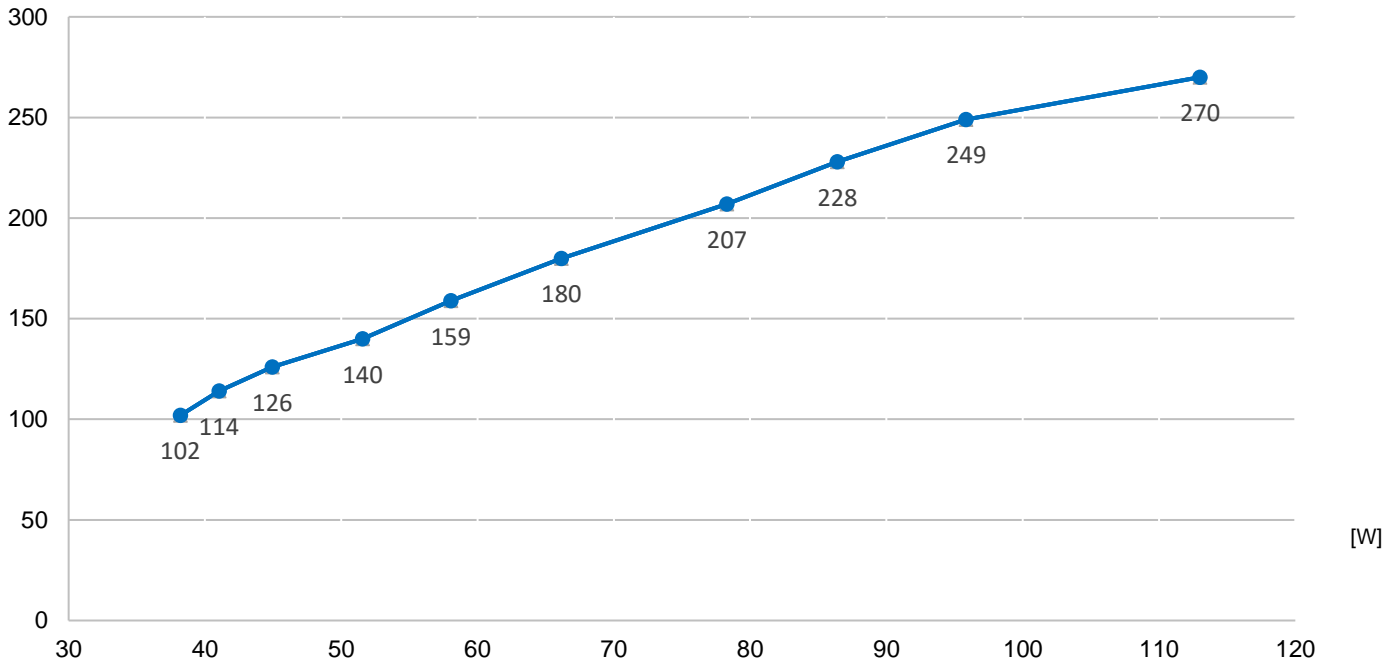
Software: To integrate our product into the CAN vehicle architecture, we automatically supply the DBCfile if required

Connections

- Length:
 - 146 mm without hydraulic connections, without fixation points
 - 156 mm without hydraulic connections, with fixation points
- Width:
 - 62 mm without fixation points
 - 81 mm with fixation points
 - 89 mm with fixation points and electrical connection
- Height: 83 mm
- Hydraulic connections: -03 JIC (other connections available)
- Electric connections: Souriau 8STA 0 12-26 PN; vehicle side mate: 8STA 6 12-26 SN
- Mounting: 3 x M5 screws

Measurements – Operating Points

Maximum Operating Pressure Curve, 170 bar



Constant Power Curves

