



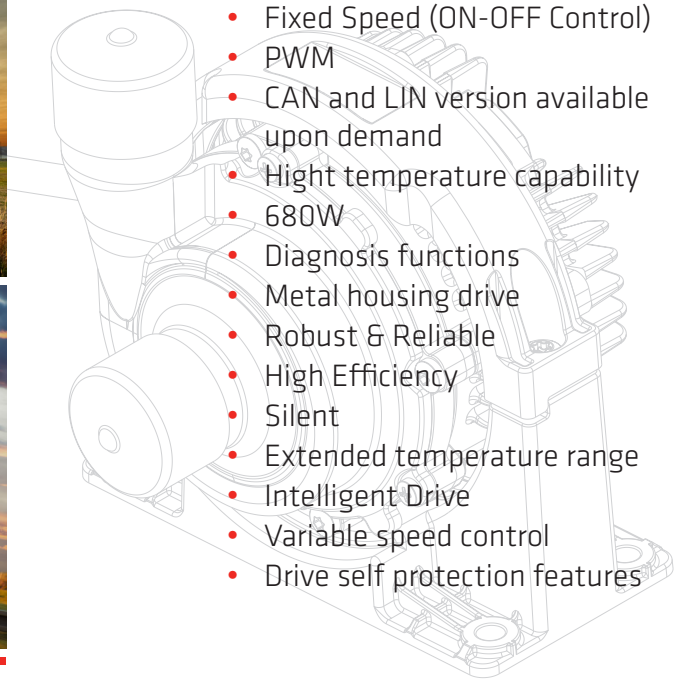
PUMP SCP02

24V - 680 W

A cooling pump is an essential part of any vehicles cooling system.

PRODUCT FEATURES

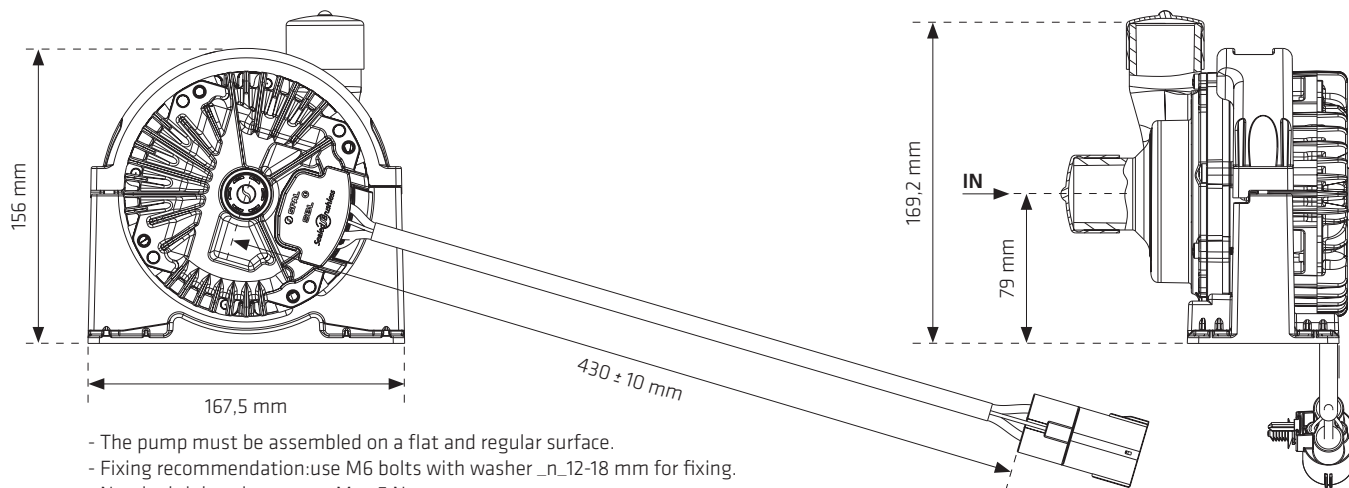
- Sealed Brushless Motor IP6K9K
- Corrosion & Water resistant (IP68/IP6K9K Drive)
- Fixed Speed (ON-OFF Control)
- PWM
- CAN and LIN version available upon demand
- High temperature capability
- 680W
- Diagnosis functions
- Metal housing drive
- Robust & Reliable
- High Efficiency
- Silent
- Extended temperature range
- Intelligent Drive
- Variable speed control
- Drive self protection features



Sealed Brushless®

Image is purely indicative and might change without any previous notice

MECHANICAL DATA



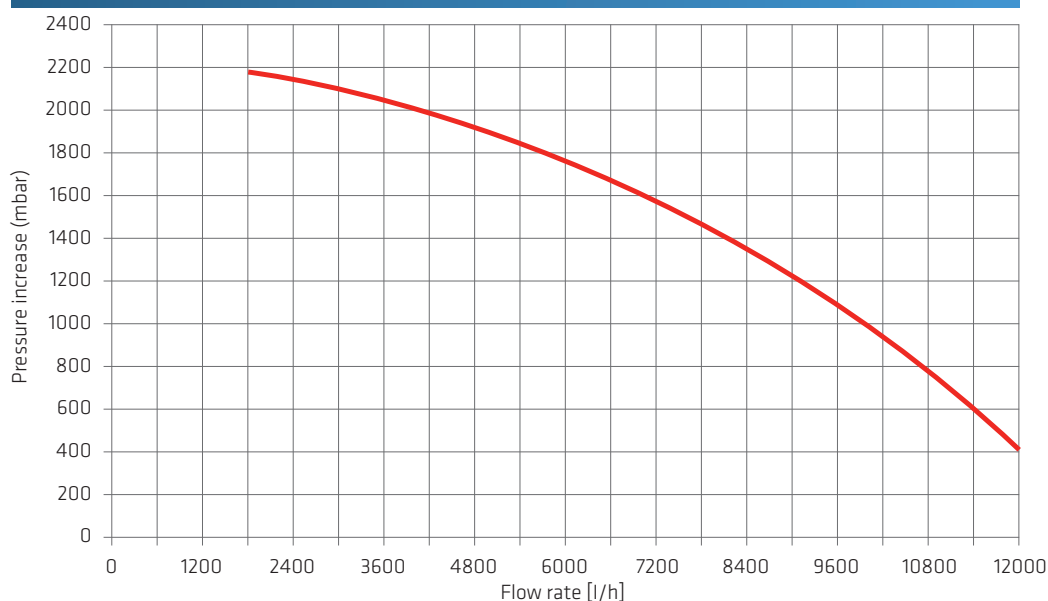
- The pump must be assembled on a flat and regular surface.
- Fixing recommendation: use M6 bolts with washer _n_12-18 mm for fixing.
- Nominal tightening torque Max 5 Nm.
- Nominal torque defined for brand new, clean and lubricant-free bolts.
- MAX ALLOWABLE APPLICATION FLATNESS $\pm 1\text{mm}$

FEATURES

Max speed	rpm	5350
Min speed	rpm	1500
Weight	kg	2.5 w/o bracket
Operating supply voltage range	V	16.0 .. 32.0 at the Drive connector
Supply voltage to reach max speed	V	26.0 .. 32.0 at the Drive connector
Operating ambient temperature range	°C	-40 .. +120
Operating fluid temperature range	°C	-40 .. +120
Max operating ambient temperature @ max pump speed	°C	+105 (1)
Storage temperature range	°C	-40 .. +125
Lifetime	h	up to 40000 hours depending on mission profile
Time from 0 rpm to max speed	s	17
Load dump protection (Pulse 5a)	V	150V - Pulse peak voltage (US) - ISO16750-2:2010
Reverse polarity protection		ISO 16750-1 functional status class C - device fully functional after correcting the polarity

Notes: (1) Few minutes ambient temperature transients do not engage the derating owing to the thermal inertia of the system. Overloads may anticipate derating.

PERFORMANCE AT MAXIMUM SPEED



Ethylene Glycol / Water mixture 60:40 ratio by volume - Density 1,08kg / l
 Test bench compliant to ISO9906 TAMB = 20 °C \pm 5 °C - UB = 26.0 V at the Drive connector

CONNECTOR AND WIRES

