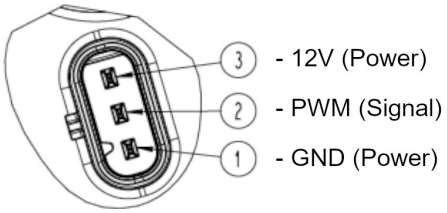
Pierburg “CWP35“

Pierburg's new electric water pump in the small capacity range.



Pierburg CWP35

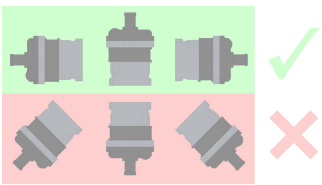
The CWP35 is a new pump in the small to medium performance range.
It has a nice and compact design and an integrated mounting bracket that can be turned to a specific degree.
It is suitable for various systems in electrical vehicles like cooling drive motors, batteries and power electronics.

Specifications:

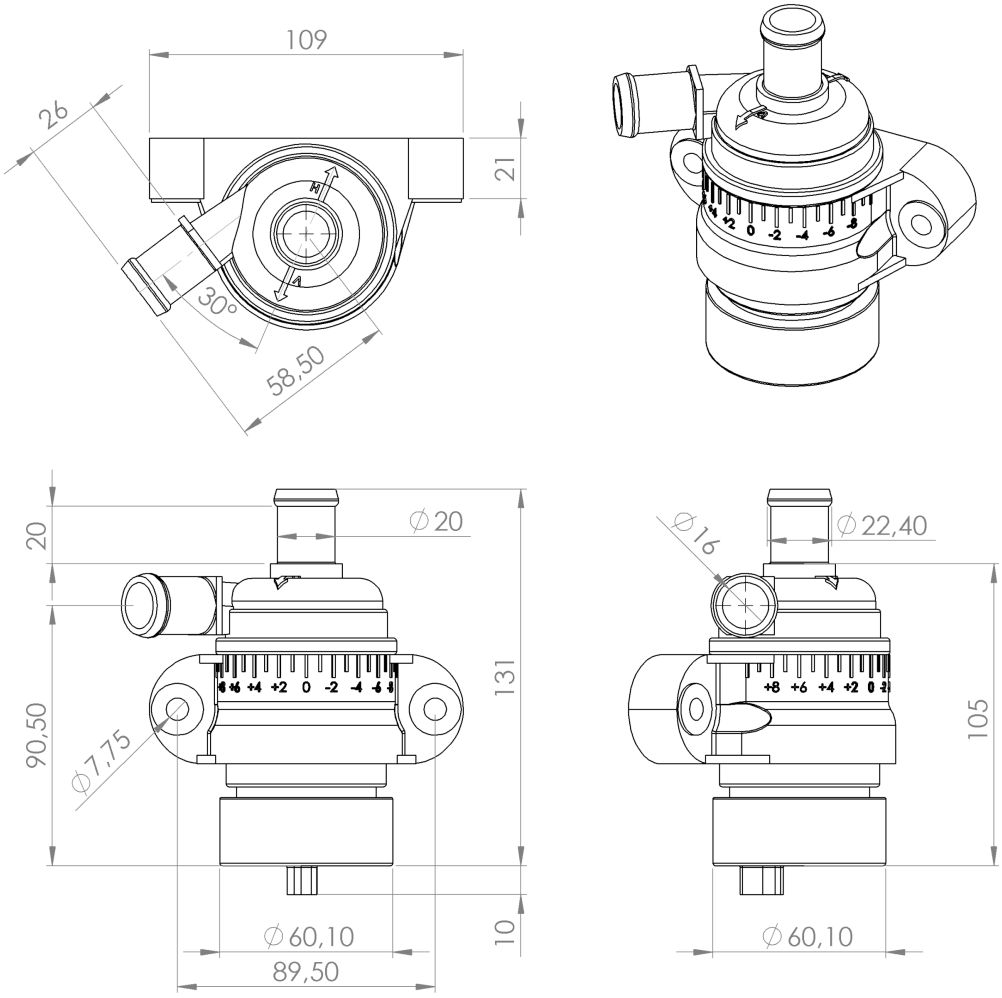
- Name: "Pierburg CWP35"
- Operation voltage: 9 to 16 V
- Weight: approx. 0.6 kg
- Current consumption: 3A
- Nominal diff. Pressure: ≥ 0.5 bar *
- Flow rate: approx. ~15.5 l/min @ 0.50bar / ~26 l/min @ 0.33bar
- Speed: approx. 6050 rpm
- Temperature range: -40°C – 128°C (water) / -40°C – 140°C (ambient)
- Protection: IP 6K7 + IP 6K9K
- integrated mounting bracket (The pump can be turned to a specific degree inside the bracket)
- Part numbers: Pierburg: 7.07511.50.0 // VAG: 05L965567 A

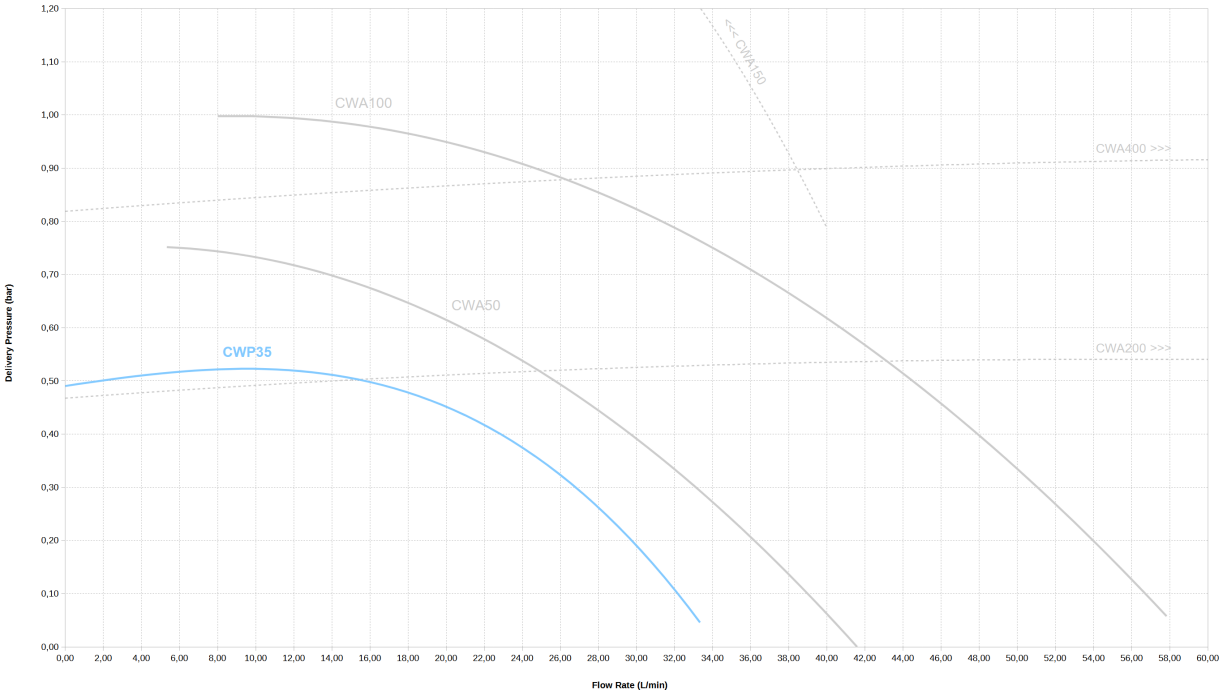
Notes:

- Power (speed) reduction below 0°C and/or below 12V.
- Works with water, water/glycol mixtures and “other liquids” (according to Pierburg)
- The PWM input is equipped with a 2 kOhm pull-up resistor. (... is naturally high level)
- Flow diagram @ 80°C, 13.5V, Water/Glycol 50/50



Know-how:
* Pump pressure is not the same as the system pressure.
Those pumps can of course be used in normal automotive cooling systems with system pressures in the range of 0.8 to 1.2 bar for instance.
The pump pressure or differential pressure expresses the ´resistance´ of which the pump has to work against. (more or less)


109
26
21
30°
58,50
20
∅20
131
90,50
∅7,75
10
∅60,10
89,50
∅16
∅22,40
105
∅60,10


Delivery Pressure (bar)
Flow Rate (L/min)
CWA100
<<< CWA150
CWA400 >>>
CWA50
CWP35
CWA200 >>>