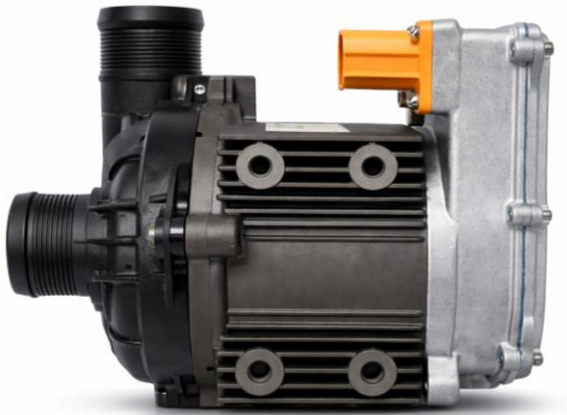


PUMPS

ELECTRIC PUMPS FOR WATER & OIL



- Pumps for ICE, Hybrid and Electric vehicles
- Various power ratings available (5W to 2kW)
- Brushless motors available
- Electronically controlled motors
- Automotive fluid management
- Compact lightweight design
- High efficiency
- Low noise and vibration operation
- Thermal protection features
- Integrated diagnostics and fault monitoring
- Automotive OEM quality standards

Calatherm's portfolio includes a broad range of electric pumps designed for both traditional and new energy vehicles. Our electric pumps span a wide array of power ratings, from 30W up to 2kW, offering flexible solutions for coolant circulation within thermal management systems.

These pumps integrate electronically controlled motors with high efficiency impellers to deliver stable flow and pressure across varying operating conditions, improving engine performance and overall system efficiency while helping manage energy consumption. Engineered for the demanding requirements of modern vehicles, Calatherm's electric pumps feature compact designs, thermal protection, and automotive grade durability, making them suitable for both many vehicle sectors.

These pumps are supplied to a wide network of OEMs and global automotive brands, with a product range supporting the requirements, efficiency and reliability that modern complex vehicle systems demand, making them a trusted choice.

BENEFITS

- OEM quality ensuring repeatability, compliance and dependable large scale supply.
- Precise and consistent coolant flow, for engines, batteries, power electronics and HVAC systems.
- Electronically controlled brushless motors, reducing losses, minimising noise and vibration.
- Extended service life, through use of quality materials, precision manufacturing and integrated thermal protection to reduce wear, overheating and premature failure.
- Improved thermal efficiency to help lower fuel usage in ICE vehicles and reduce power draw in HEV's and BEV's.
- Wide application availability, with broad power range, for vehicles on and off highway.
- Compact and lightweight designs, simplifying integration into vehicle architectures with tight packaging constraints.

TECHNICAL SPECIFICATION

Model		30W	60W	120W-12	200W-12
				120W-24	200W-24
Image					
Type		Water	Water	Water	Water
Voltage		9 ~ 16 VDC	9 ~ 16 VDC	9 ~ 16 VDC	9 ~ 16 VDC
				16 ~ 32 VDC	16 ~ 32 VDC
Power		≤ 50 W	≤ 60 W	≤ 150 W	≤ 250 W
Temperature	Ambient	-40°C / +100°C	-40°C / +125°C	-40°C / +125°C	-40°C / +110°C
	Medium	-40°C / +100°C	-40°C / +125°C	-40°C / +125°C	-40°C / +110°C
Flow Rate		12.5 L/m @ 55 kPa	20 L/m @ 45 kPa	20 L/m @ 130 kPa	45 L/m @ 135 kPa
					30 L/m @ 170 kPa
Noise		≤ 40 dB(A)	≤ 42 dB(A)	≤ 45 dB(A)	≤ 50 dB(A)
Operating Hours		≥ 20,000 Hrs	≥ 20,000 Hrs	≥ 20,000 Hrs	≥ 20,000 Hrs
Interface		20 mm dia.	20 mm dia.	20 mm dia.	38 mm dia.
					30 mm dia.
Comms	12V	PWM	PWM	PWM / LIN	PWM / LIN
	24V	PWM	PWM	PWM	PWM
Mass		0.28 kg	0.43 kg	0.56 kg	1.6 kg

Model		300W	900W	2000W
Image				
Type		Water	Water	Water
Voltage		9 ~ 16 VDC	16 ~ 32 VDC	410 ~ 750 VDC
Power		≤ 450 W	≤ 950 W	≤ 2 kW
Temperature	Ambient	-40°C / +140°C	-40°C / +125°C	-40°C / +100°C
	Medium	-40°C / +125°C	-40°C / +125°C	-40°C / +100°C
Flow Rate		110 L/m @ 70 kPa	185 L/m @ 150 kPa	210 L/m @ 200 kPa
Noise		≤ 58 dB(A)	≤ 65 dB(A)	≤ 65 dB(A)
Operating Hours		≥ 20,000 Hrs	≥ 10,000 Hrs	≥ 10,000 Hrs
Interface		Per Customer Spec.	41 mm dia.	46 mm dia.
Communication		LIN	CAN	CAN
Mass		2.7 kg	2.7 kg	5.5 kg