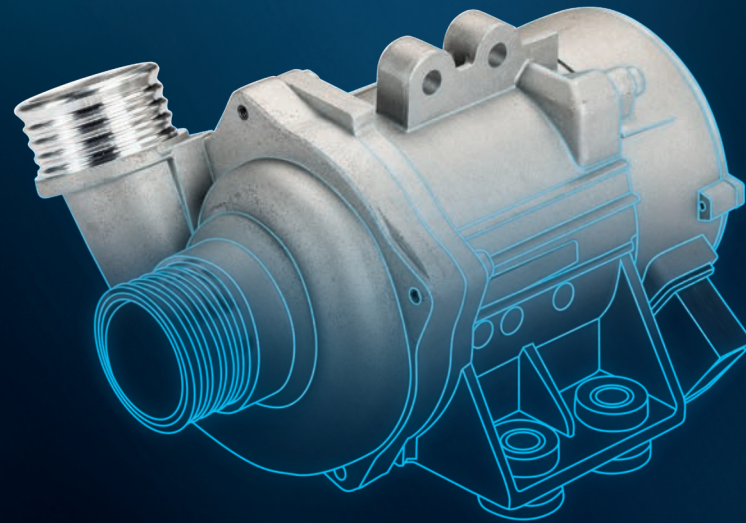


www.dayco.com

DAYCO®
MOVE FORWARD. ALWAYS.™

ELECTRIC WATER PUMP



DAYCO'S COMPLETE RANGE OF ELECTRIC WATER PUMP FOR NORMAL, HYBRID AND ELECTRIC VEHICLES

WHY ELECTRIC WATER PUMP IS SO IMPORTANT?

Electric Water pumps are now indispensable in keeping the cooling system functioning optimally, both in combustion engines, hybrid, and electric vehicles pumps are responsible for the thermal management of vehicles cooling system.

ADVANTAGES OF DAYCO ELECTRIC WATER PUMP:

Traditional Water Pumps are belt-driven: the more the revs increase, the more water circulates in the system, to manage the circulation there is a thermostat that closes or opens the system based on the temperature.

This phenomenon produces some problems, as the thermostat operates on the flow rate, the water pump will always be running, with the electric water pump, the regulation of coolant flow will be managed electronically, so the pump will only be activated when there is a specific need.

Dayco Electric Water Pumps economically save fuel and therefore reduce emissions for two reasons: on the one hand it improves the efficiency of the motor, thanks to a greater control of the operating temperatures, on the other hand, it better controls the usage of energy.

ELECTRIC WATER PUMP

AUXILIARY ELECTRIC WATER PUMPS

Dayco Auxiliary Electric Water Pumps have today an extensive application for cooling stop-start, after-run, turbo-charged systems as well as inverters and battery packs in the most modern electric and hybrid vehicles.

In the most recent vehicles, it is possible to have up to 4 electric water pumps.



AUXILIARY ELECTRIC WATER PUMPS

In addition, heaters use the vehicle's own fuel to heat coolant to the required temperature to warm up the vehicle's passenger compartment. The engine starts to operate at an optimal temperature, reducing wear on the corresponding parts.

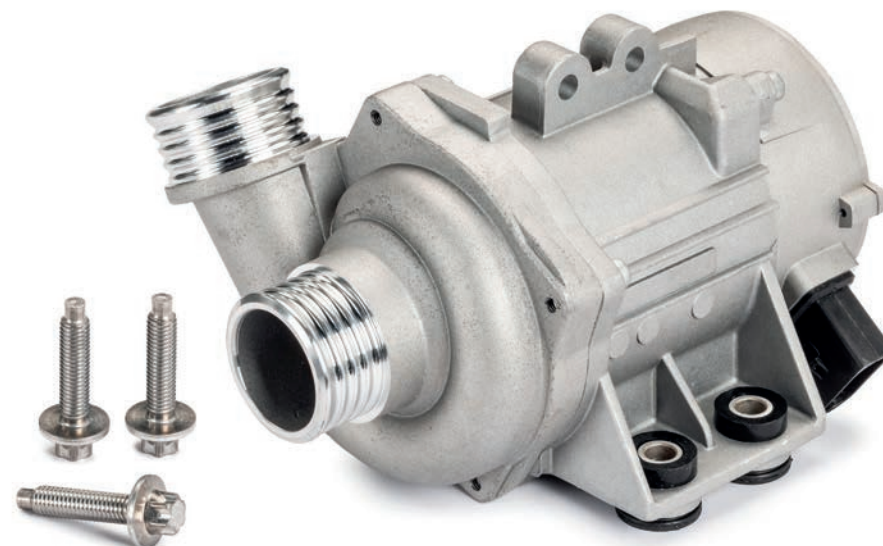
PUMPS SUPPORTING THE COOLING SYSTEM

By lowering the engine temperature and reducing the possibility of overheating, the engine components should not become prematurely worn, these pumps are increasingly used on turbocharged engines with air-to-water intercoolers, and on hybrid vehicles for battery cooling.



MAIN ELECTRIC WATER PUMPS

Dayco main Electric Water Pump greatly enhances engine cooling control while giving you added power and improved fuel economy, by removing the power consuming belt-driven mechanical water pump, Dayco Electric Water Pump can provide extra power and increased torque.



WHY CHOOSING DAYCO ELECTRICAL WATER PUMP

- World leader in automotive technology for over 110 years
- Supplier to the world's leading OE brands around the world
- A wide code range, in continuous development based on market needs

