

Dual Mode Coolant Pump

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For Additional BorgWarner
Thermal Systems Information:

800-927-7811 USA
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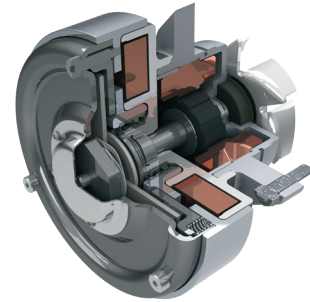
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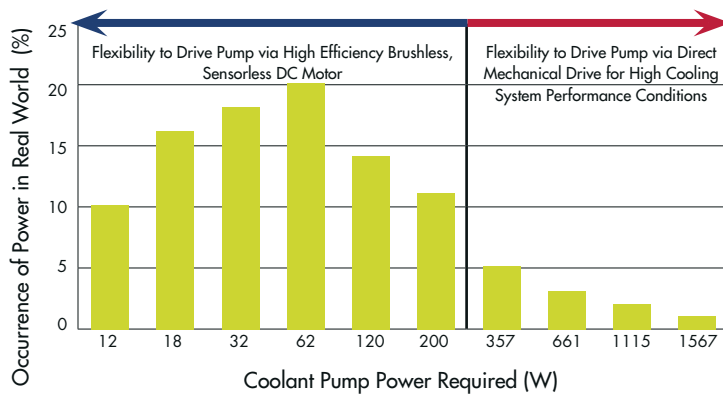
Dual Mode Coolant Pump

Features & Advantages

BorgWarner Dual Mode Coolant Pumps are electrically driven under most conditions but also can mechanically engage for peak cooling demands.



Dual Mode Coolant Pump Operation

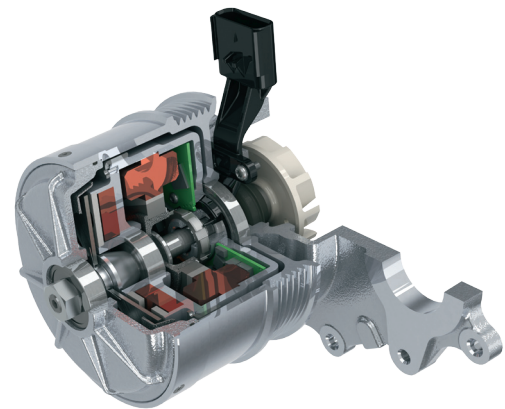


Features

- Variable flow via high efficiency BLDC motor
- Clutched mechanical pulley drive
- Multi-control/integrated control electronics

Benefits

- Fuel economy and emissions improvement
 - Downsized pump for 80% of duty cycle
 - Flow after engine shutdown
 - Enables higher run temperature (solves after-boil)
 - Enables start/stop and turbo cooling
 - No/low flow for fast warm-up and part load friction improvement
 - Increased flow for low speed cooled EGR
- Controls and system complexity improved with "all in one" pump
- Failsafe Engine/Vehicle Cooling



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