Features & Benefits

• Peak efficiencies > 95%
• Designed with 120 years of automotive experience for ultimate reliability
• World class power density
• More than 10 years of continuous production and more than 100,000 motors in service
• Global sales and tech support
• Production capacity of up to 80,000 HVH motors per year

The HVH250 Series motors come in various stack length, cooling and winding configurations.

They are available as fully housed motors or as rotor/stator assemblies. The HVH250 is a powerful, durable and rugged electric motor/generator for use in on- and off-highway vehicles, power generation and other special high power demand applications.

With billions of kilometers of proven reliability, the HVH motors are supported by the largest independent electric motor test and R&D facility in North America.
HVH250-090 Electric Motor

**Product Details**

**HVH250-090 SOM TORQUE CURVES**

**HVH250-090 DOM TORQUE CURVES**

**HVH250-090 SOM POWER CURVES**

**HVH250-090 DOM POWER CURVES**

**TYPICAL REPRESENTATIVE EFFICIENCY PLOT**

**OPERATING CONDITIONS**

- Typical Coolant Inlet Temperature: up to 90°C
- Typical Coolant Flow Rate: 5 to 30 LPM
- DC Bus Voltage: up to 700 V
- Peak Current: 300*/600** Arms
- Rated Peak Operating Time: 60 sec
- Standard Cooling Medium: Dexron VI

**MOTOR MASS DATA**

- Motor Assembly: 49 kg
- Motor Rotational Inertia: 0.067 kg·m²

Note: Graphs above are based on actual test data. The torque and power ratings are based on typical operating conditions as noted on the performance graphs. There are several variables that may change the motor performance, including coolant flow rate, operating temperature, inverter settings and parameters, etc. For actual performance, the motor must be evaluated in its final system and application. All specifications are subject to change.