

Remy HVH250 Series Electric Motors

Patented stator technology, highest output, power and torque density available

Remy HVH electric motors have award-winning, patented High Voltage Hairpin stator winding technology within a small compact package that is easily integrated into nearly all hybrid and electric applications. The HVH250 produces more power and torque density and provides customers with better continuous power than any other motor on the market.

Remy has more traction motors on the road than any other independent motor supplier in the world, resulting in well over 1 billion miles of proven reliability.

A worldwide network of engineering and design experts, manufacturing facilities and distribution and supply chain partners enables Remy to serve clients in every corner of the globe with unsurpassed capacity, flexibility and customer service.

Take a closer look and see why the Remy HVH250 electric motor is so powerfully unique.



HVH250, Side



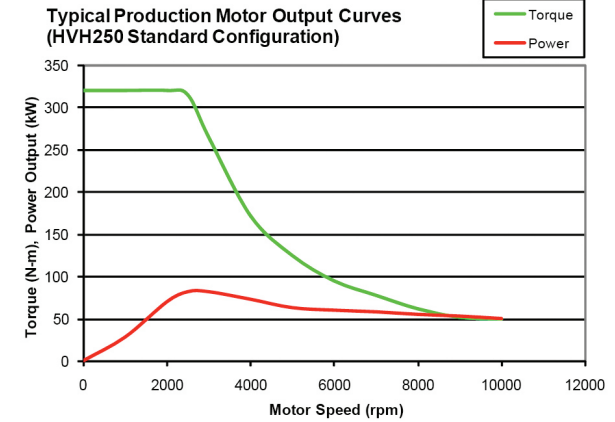
HVH250, Front

Specifications

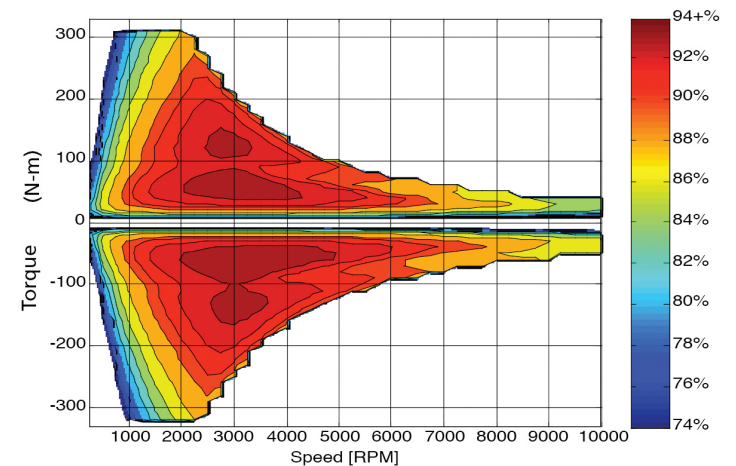
	HVH250-090-SOC3 Standard Winding Configuration A HVH250	HVH250-115-SOC3 High Torque Winding Configuration A HVH250	HVH250-090-POC3 Standard Winding Configuration B HVH250	HVH250-115-POC3 High Torque Winding Configuration B HVH250
Measurements				
Overall Length (mm)	147	180	147	180
Stator Outside Diameter (mm)	242	242	242	242
Rotor Inside Diameter (mm)	132	132	132	132
Mass - Complete Motor (kg)	33.5	43	33.5	43
Performance				
Continuous Power Output (kW)	60	63	176	185
Peak Power Output (kW)	76	78	297	305
Continuous Torque Output (N-m)	275	325	225	288
Peak Torque Output (N-m)	320	408	320	408
Max. Input Current Continuous/Peak (Amps)	200/300	200/300	300/600	300/600
Peak Efficiency (%)	See Efficiency Map			
Max. Operating Speed (rpm)	10,600			
Base Speed (rpm)	2300	1600	4000	3000
Operating Voltage (VDC nom.)	320		650	
Max. Temperature Limit	CLASS H (180°C)			
Internal Oil (ATF) Cooling	70°C Oil Inlet Temperature			
Conductor Type	High Voltage Hairpin			

- 1) Continuous data reflects stator temperature held at 180°C and 70°C oil flowing at 10 LPM.
- 2) Actual performance dependent on application and cooling system.
- 3) Inverter control method is six-step for peak performance, and space vector for continuous performance - 5% voltage drop allowance.
- 4) Remy Motors can operate at 700VDC system voltage.
- 5) Optional content available: Resolvers, water cooler jacket housings, AC induction rotor, and high speed rotor.
- 6) Other motor sizes / configurations are available, consult your Remy representative.

Standardized and scalable solutions for seamless customer integration.



HVH250-090-S Efficiency Map @ 320Vbus



Efficiencies recorded at temperature of 140° C.
Lower temperatures would yield higher efficiencies.