



HVH250 Series Electric Motors

Patented Hairpin Stator technology. Highest output, efficiency and power density available.

With the HVH250, Remy combines award-winning, patented hairpin stator technology with a smaller footprint and lighter weight to introduce a customizable motor assembly platform that **boasts the highest efficiency and power density available.**

- 160 kW peak output
- 440 N-m peak torque
- Suited for traction motor, generator, or motor/generator applications

With the largest hybrid motor production and testing facility in North America, Remy stands poised to provide the market with scalable solutions that are available quickly and at lower cost to help reduce dependence on fossil fuels and spur the adoption of hybrid motor technology for transportation.

“Remy continues to develop several high technology products for the electrification of the powertrain and has secured major production programs for these products, including multiple awards to produce high power electric motors and traction drives for producers of light duty and heavy duty HEVs.”

JOHN H. WEBER

President and Chief Executive Officer of Remy International, Inc.



HVH250, back
Shown with optional spun steel housing



HVH250, front
Shown with optional spun steel housing



HVH250, rotor and stator

Specifications

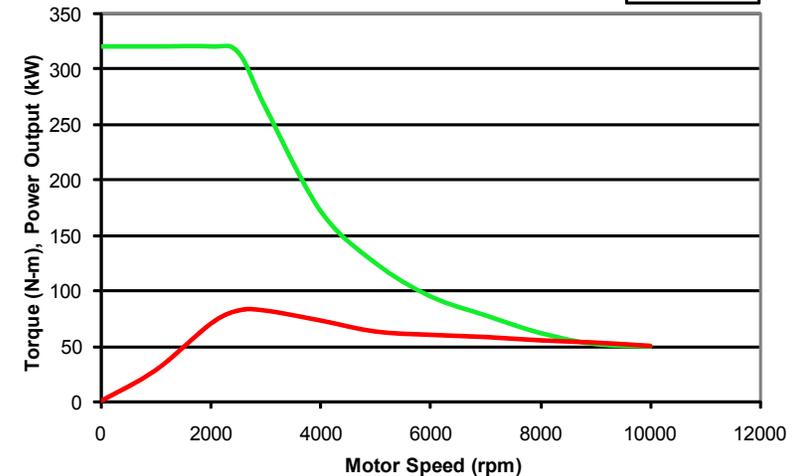
	HVH250 Standard	HVH250 HT High Torque	HVH250 High Flow Cooling	HVH250 HT High Flow Cooling
Measurements				
Overall Length (mm)	147	180	147	180
Stator Outside Diameter (mm)	242	242	242	242
Rotor Inside Diameter (mm)	132	132	132	132
Mass - Complete Motor (kg)	33.5	43	33.5	43
Performance				
Continuous Power Output (kW)	60	60	100	100
Peak Power Output (kW)	82	87	150	150
Continuous Torque Output (N-m)	200	243	300	440
Peak Torque Output (N-m)	325	440	320	460
Max. Input Current Peak/Continuous (Amps)	200/300	200/300	300 continuous	300 continuous
Peak Efficiency (%)	93 @ 2,500-10,000 rpm	93 @ 1,500-8,000 rpm	93+ @ 3,000-7,000 rpm	93+ @ 1,500-8,000 rpm
Max. Operating Speed (rpm)	10,600	10,600	10,600	10,600
Base Speed (rpm)	2,500	1,400	4,000	2,600
Operating Voltage (VDC nom.)	320	320	650	650
Temperature Limits	160° C			
Internal Oil (ATF) Cooling	90C Oil Inlet Temperature		70C Oil Inlet Temperature	
Flow Requirement	5 l/min	7 l/min	25 l/min	30 l/min
Conductor Type	High Voltage Hairpin			
Rotor Types				
Permanent Magnet	Internal	Internal	Internal	Internal
AC Induction	Not Available	Optional	Optional	Optional

Optional Content Available: Resolvers, Housings

Standardized and scalable solutions for seamless customer integration.



Typical Production Motor Output Curves (HVH250 Standard Configuration)



The HVH250 assembly offers the highest power density among today's conventional electric motors.



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HVH250 SPECS, r4 09/09

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