

iM-425 (INTEGRATED MODULE)



Made with BorgWarner HVH410-150D motor core

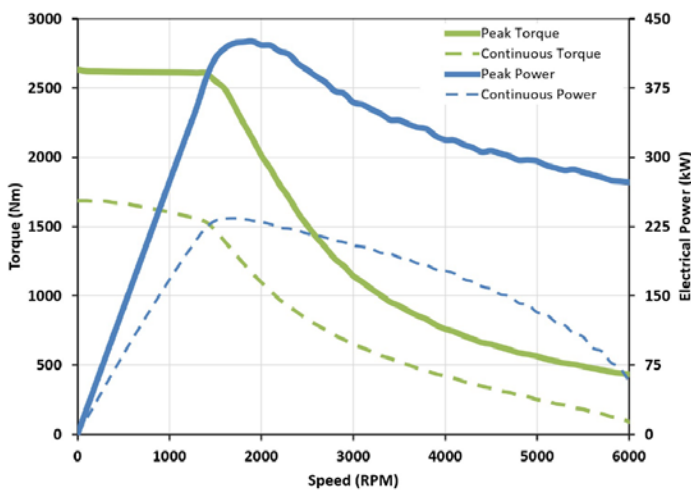
The iM-425 is built using our CM350 inverter and BorgWarner HVH410 motor core and is perfect for class 6 through 8 commercial vehicles. This integrated module packs a 2620Nm punch within an easy-to-integrate package and has a peak power of 425kW (570hp) at 750Vdc. It's loaded with integrated features like an oil pump, oil cooler, oil sump and water pump.

FEATURES

- 850Vdc maximum voltage
- Integrated oil pump
- Integrated water pump
- Integrated oil cooler
- Shallow sump depth, 296mm from shaft centerline to bottom
- Only 420mm in axial length and 546mm in total height
- Auxiliary ports provided for optional external oil connections
- SAE2 flange - face and shaft interchangeable with BW HVH410-150

Peak Torque	2620Nm
Peak Power	425kW
Continuous Torque	1700Nm
Continuous Power	234 kW
Maximum Speed	6000rpm
Weight	190 kg
Motor Cooling Medium	Dexron VI
Inverter Cooling Medium	50% E.G. / 50% Water
Maximum Water Temperature	80°C (Peak performance below 45°C, Mild Derate 60-80°C, No Torque at 100°C)
Combined Efficiency	95% peak (@200Nm, 5500rpm)

Power and Torque Curves @ 750Vdc
900A_{rms} (peak) and 500A_{rms} (cont.)



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