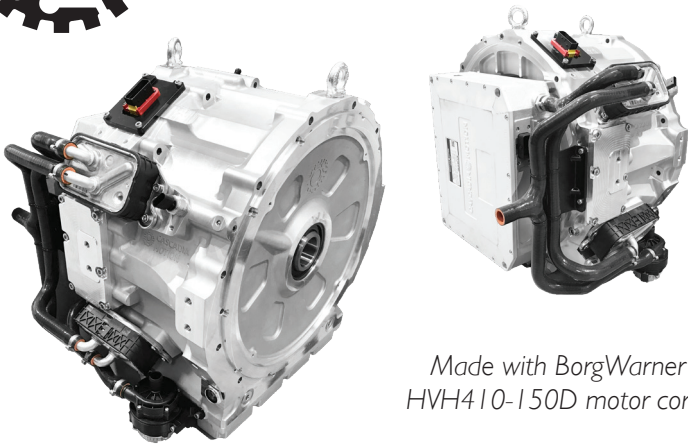




iM-425 (INTEGRATED MODULE)



Made with BorgWarner HVH410-150D motor core

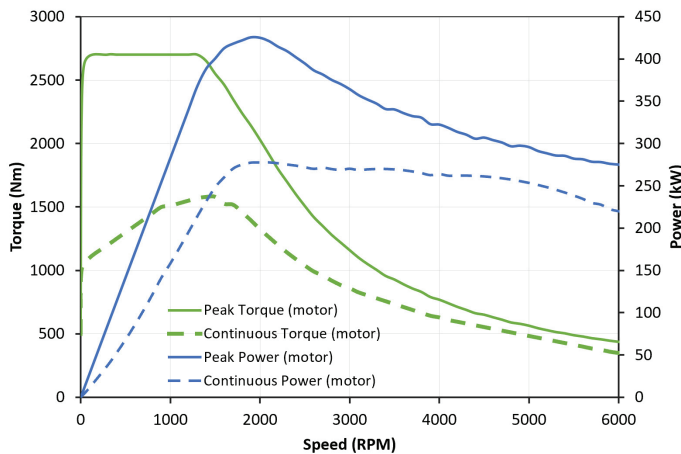
The iM-425 is built using our CM350 inverter and BorgWarner HVH410 motor core and is perfect for class 6 through 8 commercial vehicles. This integrated module packs a 2700 Nm punch within an easy-to-integrate package and has a peak power of 425kW (570hp) at 750Vdc. It's loaded with integrated features like an oil pump, oil cooler, oil sump and water pump.

Peak Torque	2700 Nm
Peak Power	425kW
Continuous Torque	1580 Nm
Continuous Power	280 kW
Maximum Speed	6000 rpm
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)

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

Power and Torque Curves @ 750V_{DC}
900A_{rms} Peak and 400A_{rms} Continuous



CASCADIA MOTION

cascadiamotion.com +1-503-344-5085

Point Camera Here



To View Manuals

The iM-425 can operate up to 6000 rpm. However, motor operation above 4000 rpm results in back-EMF voltage above the inverter's non-operational limit. Opening battery contactors during a fault while above 4000 rpm can lead to inverter damage not covered by warranty.

