



iDM-375 (INTEGRATED DRIVE MODULE)



Made with BorgWarner
HVH250-115D motor core

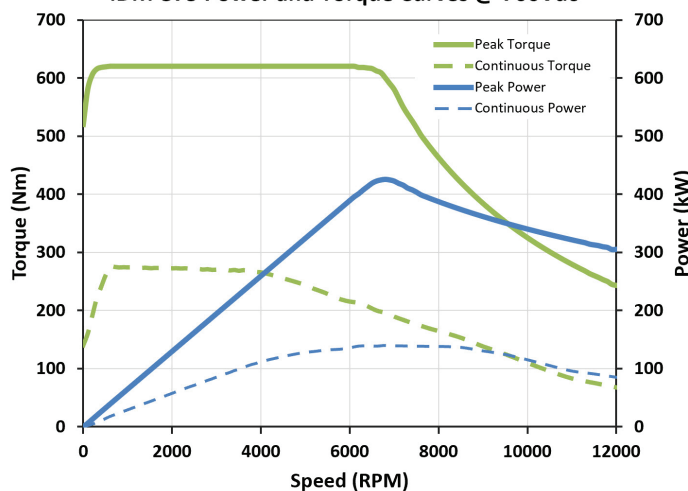
Built using the CM350 SiC inverter and the BorgWarner eDM motor/transmission. We modified the gearing to 6.54:1 and added a limited-slip differential. This three-in-one integrated module is capable of 4055 Nm of axle torque and 400kW (or more) of peak power when used in an 800V application. The assembly is ideal for transverse-mounted drivelines and is equipped with a parking lock actuator and water pump as standard.

FEATURES

- OEM-level integration (inverter + motor + gearbox)
- 860 Vdc maximum voltage (with CM200DX inverter)
- Wavetrac® limited slip differential
- Integrated parking lock
- 6.54:1 gearbox ratio
- Assembly has multiple mounting bosses to enable flexibility in chassis mount locations
- Water-cooled motor minimizes weight & size
- Pluggable HVIL DC connection
- Flanged stub shafts available
- Boundary Box
 - Height: 435mm
 - Width: 540mm
 - Length: 515mm

Peak Torque	620Nm (4055Nm at axles)
Peak Power	425kW
Continuous Torque	275Nm (1800Nm at axles)
Continuous Power	140kW
Maximum Speed	12000rpm
Weight	100 kg
Motor Cooling Medium	50% E.G. / 50% Water
Inverter Cooling Medium	50% E.G. / 50% Water
Maximum Water Temperature	80°C (derate from 80 to 100°C)
Combined Efficiency	95% peak (@200Nm, 5500rpm)

iDM-375 Power and Torque Curves @ 700Vdc



Point Camera Here



To View Manuals