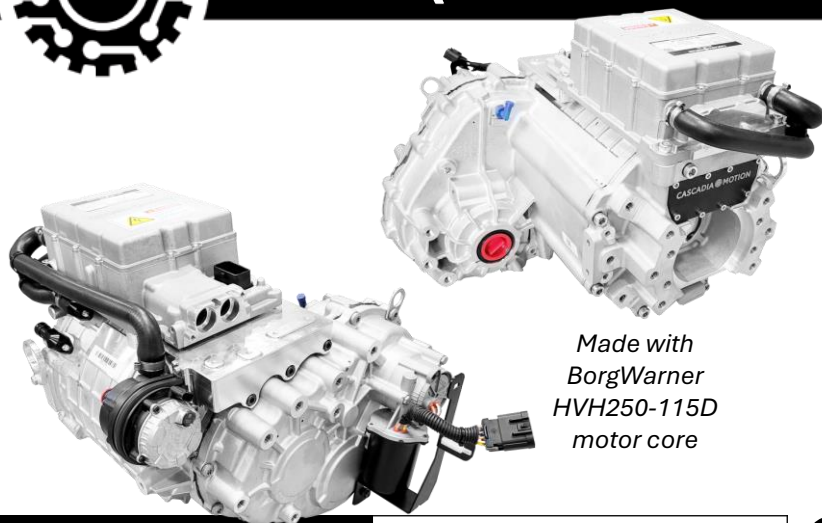




# iDM-190 (INTEGRATED DRIVE MODULE)



Made with  
BorgWarner  
HVH250-115D  
motor core

Built using the CM200DX inverter and a BorgWarner eDM (motor & transmission). Other included features make this powerful and compact transverse driveline ready to bolt-in.

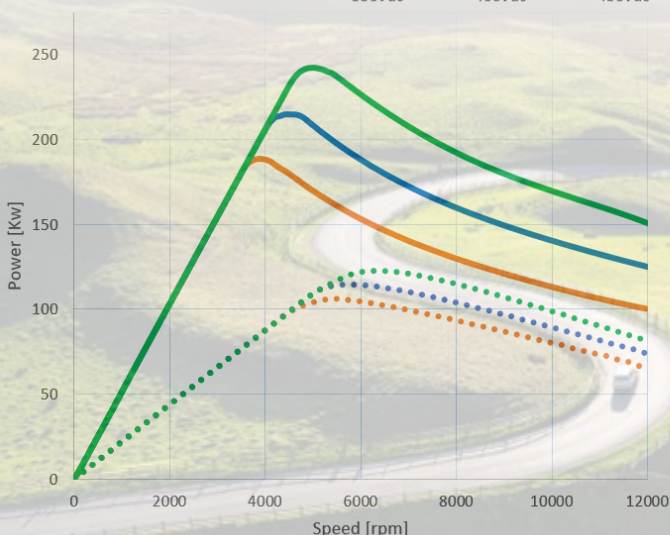
Peak Torque	490Nm (4057 Nm@axles)
Peak Power	242kW @450Vdc
Voltage Input Range	50Vdc to 480Vdc
Max Continuous Torque	209Nm @450V (1730Nm@axles)
Max Continuous Power	122kW @450V
Maximum Speed	12000rpm
Weight	92 kg
Motor Cooling Medium	50% E.G. / 50% Water
Inverter Cooling Medium	50% E.G. / 50% Water
Maximum Water Temperature	80°C <i>Conditional derate 45-100°C</i> <i>See performance simulator</i>
Combined Efficiency	92.5% peak (@200Nm, 5500rpm)

## FEATURES

- OEM-level integration includes:
  - CM200DX inverter
  - motor
  - gearbox, 8.28:1 reduction
  - limited slip differential
  - parking lock
  - coolant pump & hoses
- Multiple mounting options
- Water-cooled, minimized weight & size
- HVIL capable DC connector
- Flanged stub shafts available

iDM-190DX-D Power Curves

peak: — 350Vdc — 400Vdc — 450Vdc  
 continuous: ••••• 350Vdc ••••• 400Vdc ••••• 450Vdc

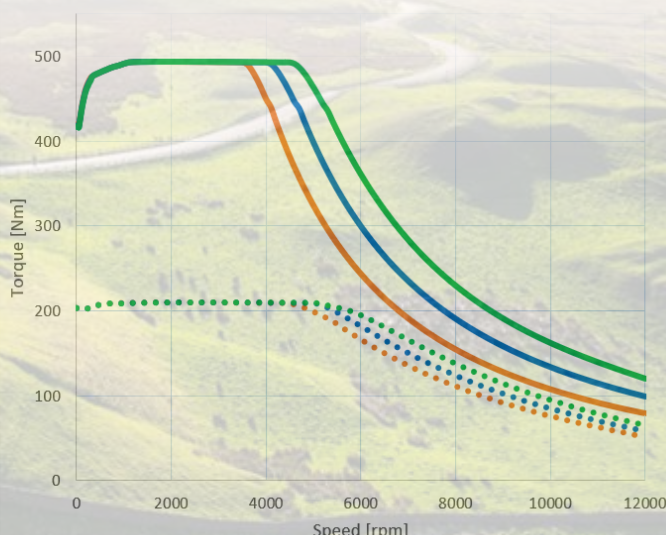


Coolant temp = 45°C

Firmware = 652E or newer

iDM-190DX-D Torque Curves @motor

peak: — 350Vdc — 400Vdc — 450Vdc  
 continuous: ••••• 350Vdc ••••• 400Vdc ••••• 450Vdc



Coolant temp = 45°C

Firmware = 652E or newer

