



iDM-375SiC (INTEGRATED DRIVE MODULE)



Made with
BorgWarner
HVH250-115D
motor core

The iDM-375 is a higher-powered version of the iDM-190. It combines a CM350SiC inverter with a BorgWarner eDM (motor & transmission). An improved drive ratio results in higher output shaft RPM. Other included features make this compact transverse driveline ready to bolt-in.

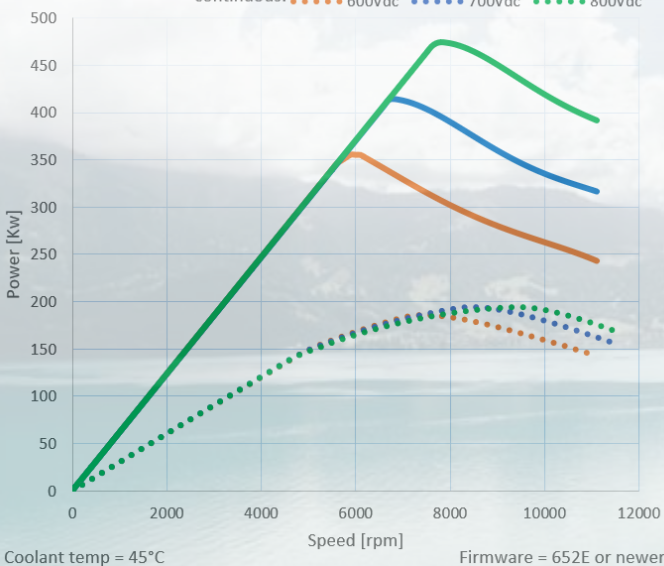
Peak Torque	590Nm (3858 Nm@axles)
Peak Power	474kW @800Vdc
Voltage Input Range	200Vdc to 840Vdc
Max Continuous Torque	288Nm@800Vdc (1883Nm@axles)
Max Continuous Power	194kW @800 Vdc
Maximum Speed	12000rpm
Weight	100 kg
Motor Cooling Medium	50% E.G. / 50% Water
Inverter Cooling Medium	50% E.G. / 50% Water
Maximum Water Temperature	80°C <i>Conditional derate 45-100°C</i> <i>See performance simulator</i>
Combined Efficiency	93.5% peak

FEATURES

- OEM-level integration includes:
 - inverter
 - motor
 - gearbox, 6.54 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-375SiC-D Power Curves

peak: — 600Vdc — 700Vdc — 800Vdc
 continuous: ••••• 600Vdc ••••• 700Vdc ••••• 800Vdc



iDM-375SiC-D Torque Curves @motor

peak: — 600Vdc — 700Vdc — 800Vdc
 continuous: ••••• 600Vdc ••••• 700Vdc ••••• 800Vdc

