

BMW iXM60

Benchmark program



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FEV



Tech Nuggets

TECH-NUGGETS – Externally Excited Synchronous Machine

BMW iXM60 EDU BENCHMARKING

Interested in further details

Contact benchmarking@fev.com or visit shop.fev.com!

INSIGHTS

- ▶ BMW iXM60 EDU is an Electrically Excited Synchronous Machine (EESM) producing 360 kW of power
 - Eliminates the need of rare earth magnets
- ▶ Integrated die-cast housing for the E-Motor and the Inverter
- ▶ 6-phase inverter, driving the Stator and a DC brushed Rotor
- ▶ Dual cooling mediums:
 - Gearbox, Rotor and Stator end windings and inner core are oil cooled
 - Inverter and Stator outer surface are water-glycol cooled
- ▶ Single reduction gearbox with integrated electromechanical park lock
- ▶ FEV benchmark data includes cost analysis and supply chain insights

