

HDSRM300X

Sustainable Heavy Duty Traction



No rare earth magnets	Lower cost, improved sustainability and reduced supply risk compared to permanent magnet (PM) motors.
No copper windings	Patented winding technology offering lower mass, with no loss of performance, and a uniquely recyclable solution.
Off-the-shelf power electronics	Unlike conventional SRMs, HDSRM runs with any suitable commercially available 3 phase inverter.
Designed for volume manufacture	Production line established in the North East of England, capable of building 12,000 units per year.
Efficient where it counts	Design optimised to be more efficient than a PM or induction motor at normal commercial vehicle operating points.
Robust and reliable	Built for improved robustness with inherently fewer potential failure modes.
Modular architecture	Up to three HDSRM motors can be combined with custom transmissions to meet differing application requirements.

Parameter	Performance
Torque	>1500Nm for 425Arms
Power (Peak/Continuous)	To 300kW @ 700V / to 150kW (65°C inlet)
Efficiency	Peak > 95%
Mass	140kg (dry)

