

CASE STUDY – ELECTRICAL STEEL VS. COBALT-IRON

HIGH PERFORMANCE PERMANENT MAGNET MOTOR

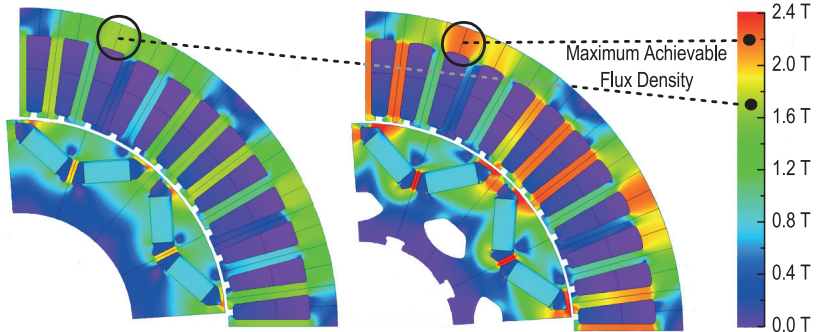
MADE BY



Electrical Steel M270-35A

VACOFLUX® 50 / VACODUR® 50

Flux Density



MAIN FEATURES

- Powered by VACSTACK®-Technology
- Stator material VACOFLUX® 50 / 0.35 mm
- Rotor material VACOFLUX® 50 / 0.35 mm
- Filling factor 98 %
- Permanent magnets VACODYM® 669 TP



Cobalt-Iron Alloys for High Performance Motors: drivetek AG, Switzerland

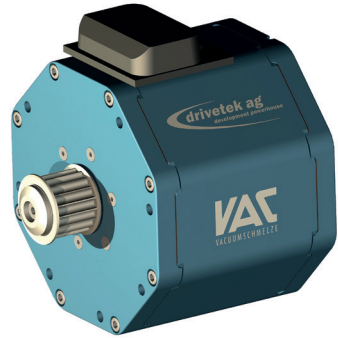
ADVANCED MATERIALS – THE KEY TO PROGRESS

VAC[®]
VACUUMSCHMELZE

HIGH PERFORMANCE PERMANENT MAGNET MOTOR MADE BY DRIVETEK

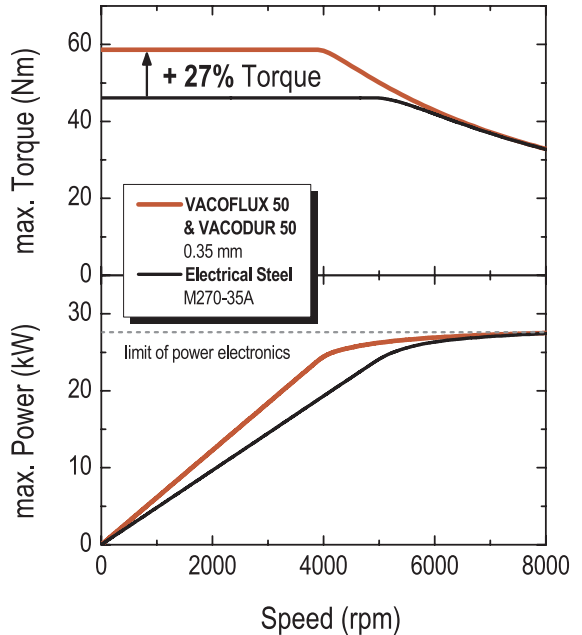
MOTOR DATA

- Max. Power^(*) 27.5 kW
- Max. Torque 58.5 Nm
- Nominal Speed 3,900 rpm
- Weight 17 kg
- Power Density^(*) 1.6 kW/kg
- Torque Density 3.4 Nm/kg



^(*) Max. Power limited by power electronics

+27% Torque



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