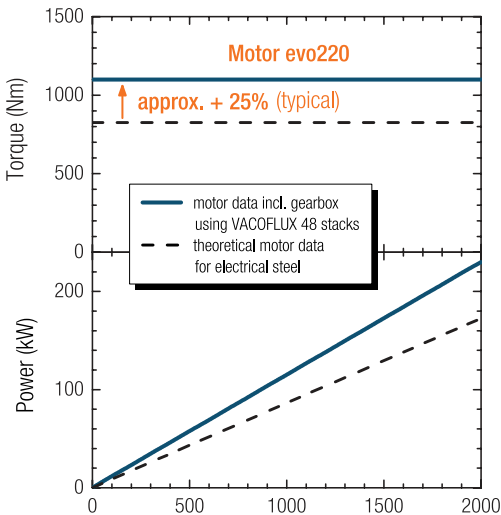




VAC's most innovative materials realize motors with highest power density.

MOTOR DATA



Power: 180 kW - 220 kW
up to 260 kW (peak)

Torque: 950 Nm (10:1)¹
to 1,150 Nm (12:1)¹

Weight: 45 kg with gearbox

Speed: 24,000 rpm

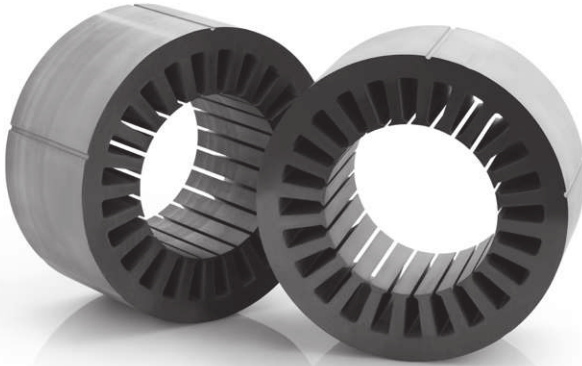
Power density: 4.88 kW/kg

¹ gear transmission

ADVANCED MATERIALS – THE KEY TO PROGRESS

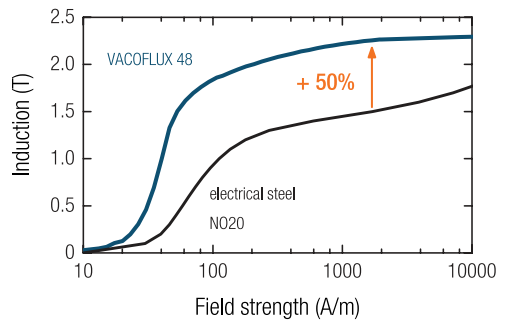


STATOR MADE OF VACOFLUX 48 AND VACSTACK TECHNOLOGY

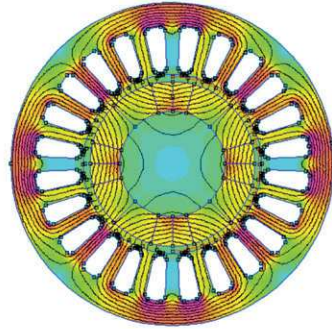


MAIN ADVANTAGES

- 2.3 T Saturation polarization
- +50 % Induction level compared to electrical steel
- Tightest tolerances due to VACSTACK technology
- Lowest losses because of 50 μm lamination thickness

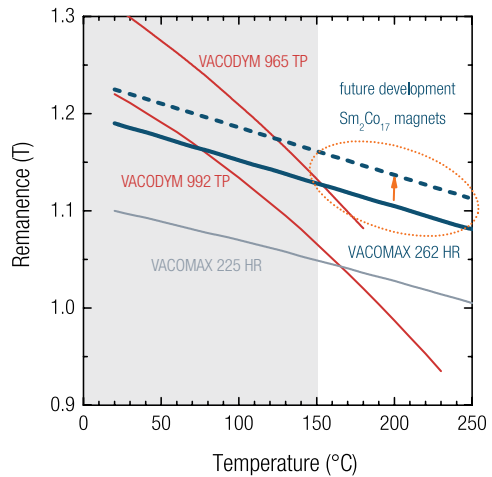


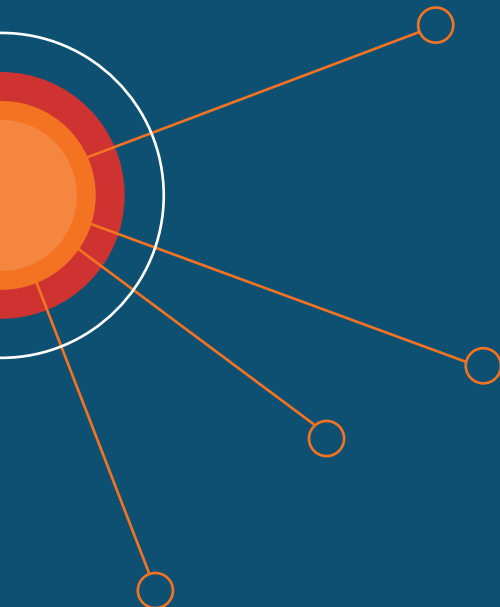
ROTOR SYSTEM USING VACOMAX 262 HR AND HALBACH CONFIGURATION



MAIN ADVANTAGES

- Highest remanence above 150 °C
- Potential in future for highest remanence above 130 °C
- Very low thermal coefficient
- Applicable even at 300 °C
- An optimal Halbach design can achieve further air gap flux induction of more than 20 %





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