

ULTRALIGHT HIGH POWER/TORQUE DENSITY PMSM MOTOR

LEMOK 200 - M.1 - Permanent Magnet Synchronous Motor

Continuous power	P_N	35 kW
Rated DC voltage	U_{DC}	115 / 375 VDC
Continuous torque	T_N	70 Nm
Rated rotational speed	n_N	4800 rpm
Efficiency [max.]	η_N	93 %
Max. rotational speed	n_{max}	5400 rpm
Peak torque	T_{max}	up to 130 Nm
Peak power	P_{max}	60 kW
Weight		9.2 kg

Dedicated to:

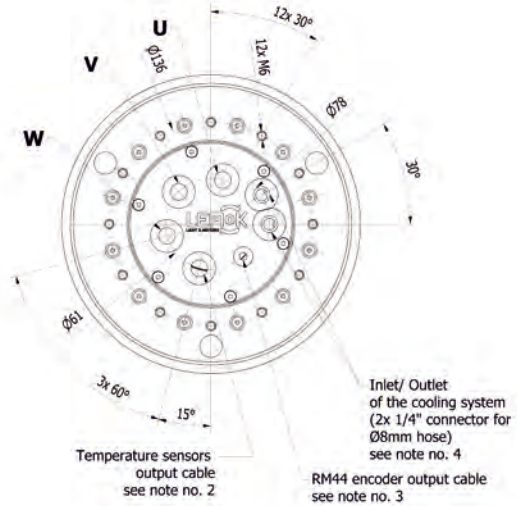
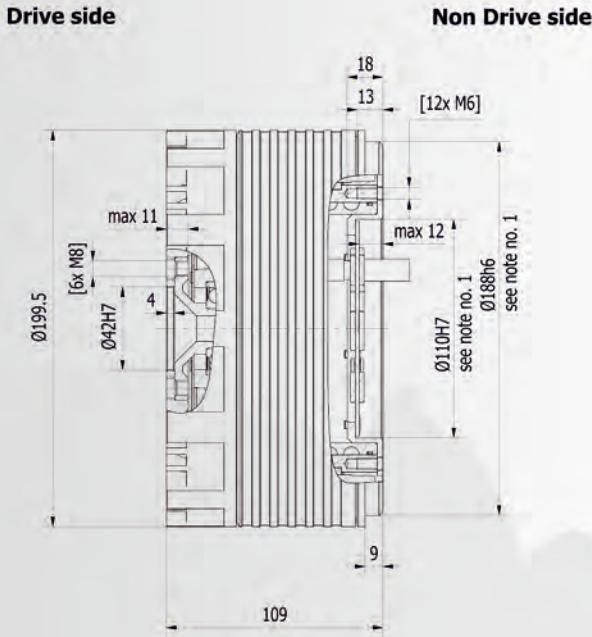
- Ultralight aviation
- VTOL (Vertical Take Off and Landing)
- Automotive
- Marine
- Special drives
- Industrial drives





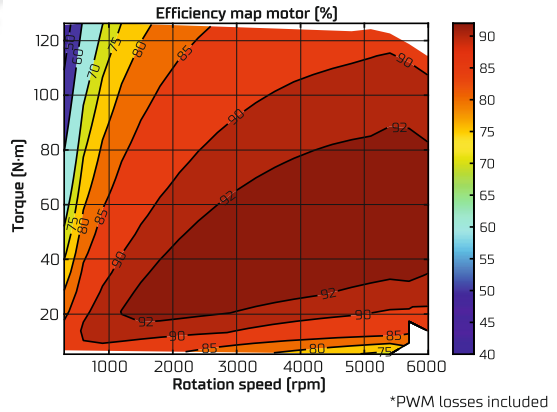
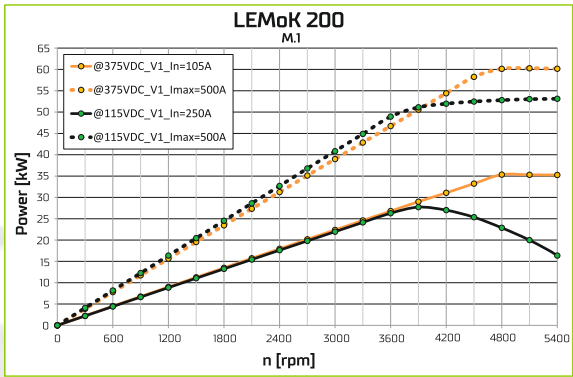
National Centre for Research and Development

Technical Specifications



Characteristic

- Possibility to perform for different supply voltages
- Possibility to perform in different degrees of IP protection
- Liquid / liquid + air cooling
- Horizontal or vertical operation possible
- Operation in both directions of rotation
- Possibility to adjust specific customer requirements
- Pt1000 temperature sensors built-in
- Position sensor: encoder SSI / encoder Sin/Cos



*PWM losses included

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