



ULTRALIGHT HIGH POWER/TORQUE DENSITY SYNCHRONOUS RELUCTANCE MOTOR

LEMOK REL 200 - Synchronous Reluctance Motor

Continuous power	P_N	25 kW
Rated voltage	U_{AC}	400 Vdc / 275 Vac
Continuous torque	T_N	30 Nm
Rated rotational speed	n_N	8000 rpm
Efficiency [max.]	η_N	92 %
Max. rotational speed	n_{max}	8000 rpm
Peak torque	T_{max}	50 Nm
Peak power	P_{max}	40 kW
Weight		13.5 kg

Dedicated to:

- Automotive
- Marine
- Special drives
- Industrial drives



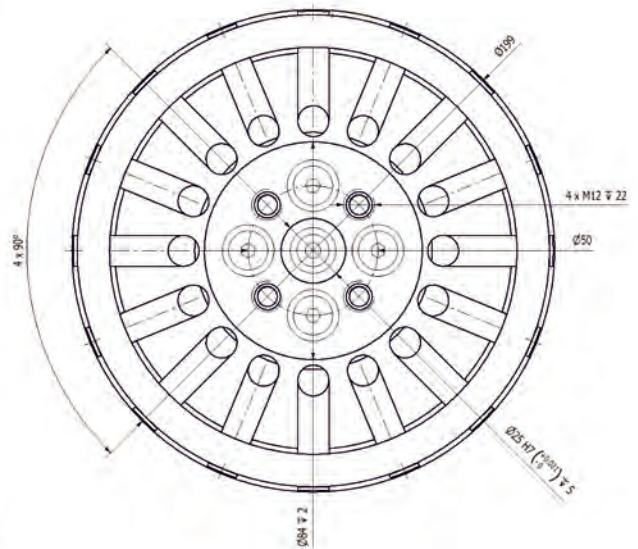
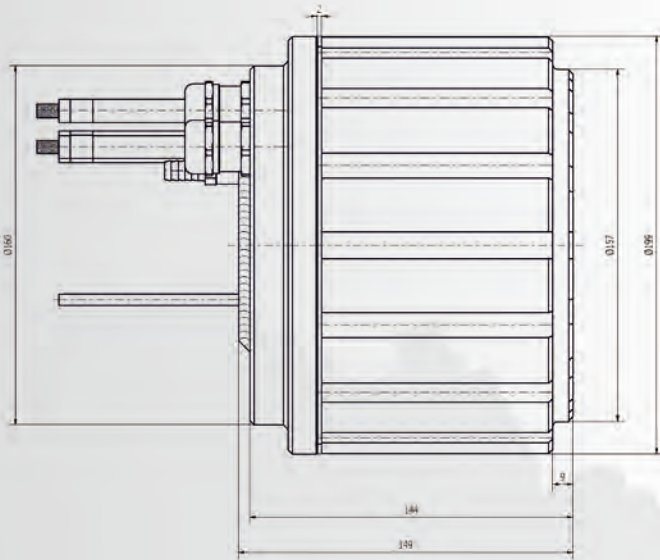


PROJECT: LIDER/31/0169/L-12/20/NCBR/2021
„Electric motors with high power density”



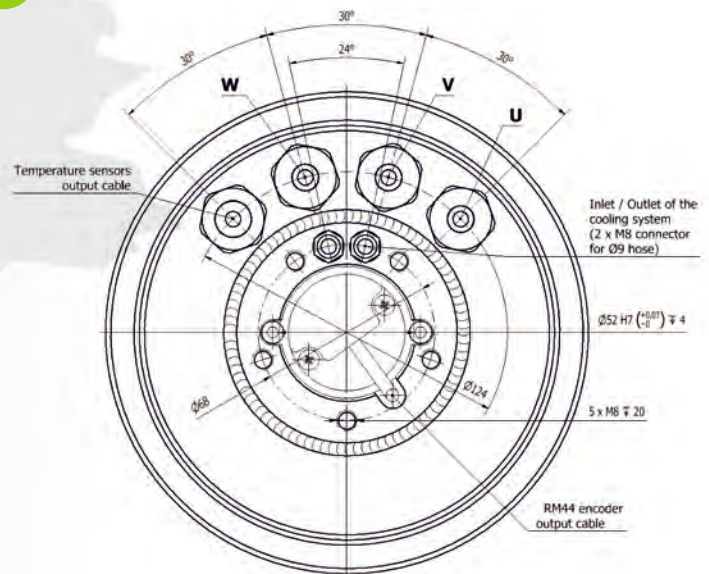
National Centre for Research
and Development

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



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