



ULTRALIGHT HIGH POWER/TORQUE DENSITY

INDUCTION MOTOR

LEMoK IM 185 - Induction Motor		
Continous power	$P_{\scriptscriptstyle N}$	25 kW
Rated AC voltage	$U_{\scriptscriptstyle AC}$	400 V
Continous torque	$T_{\scriptscriptstyle N}$	30.3 Nm
Rated rotational speed	$n_{\scriptscriptstyle N}$	7890 rpm
Efficiency (max.)	$\eta_{\scriptscriptstyle N}$	91 %
Max. rotational speed	n _{max}	8000 rpm
Peak torque	$\mathcal{T}_{\scriptscriptstyle max}$	55 Nm
Peak power	$P_{\scriptscriptstyle max}$	40 kW
Weight	14.1 kg	

Dedicated to:

- Automotive
- Marine
- Special drives
- Industrial drives







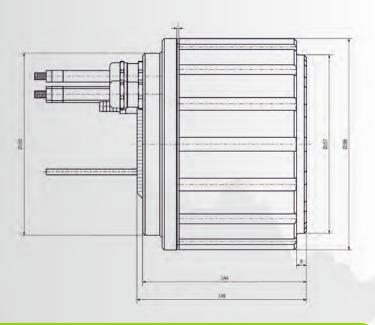
PROJECT: LIDER/31/0169/L-12/20/NCBR/2021 "Electric motors with high power density"

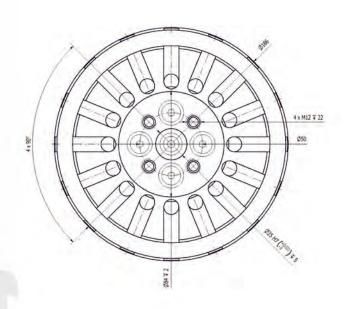






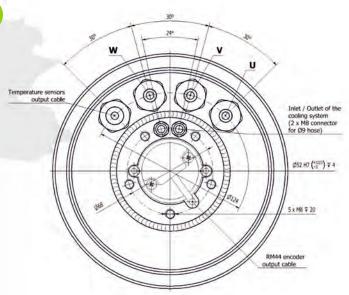
Technical Specifications





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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