

Motor Rated Power			1500W
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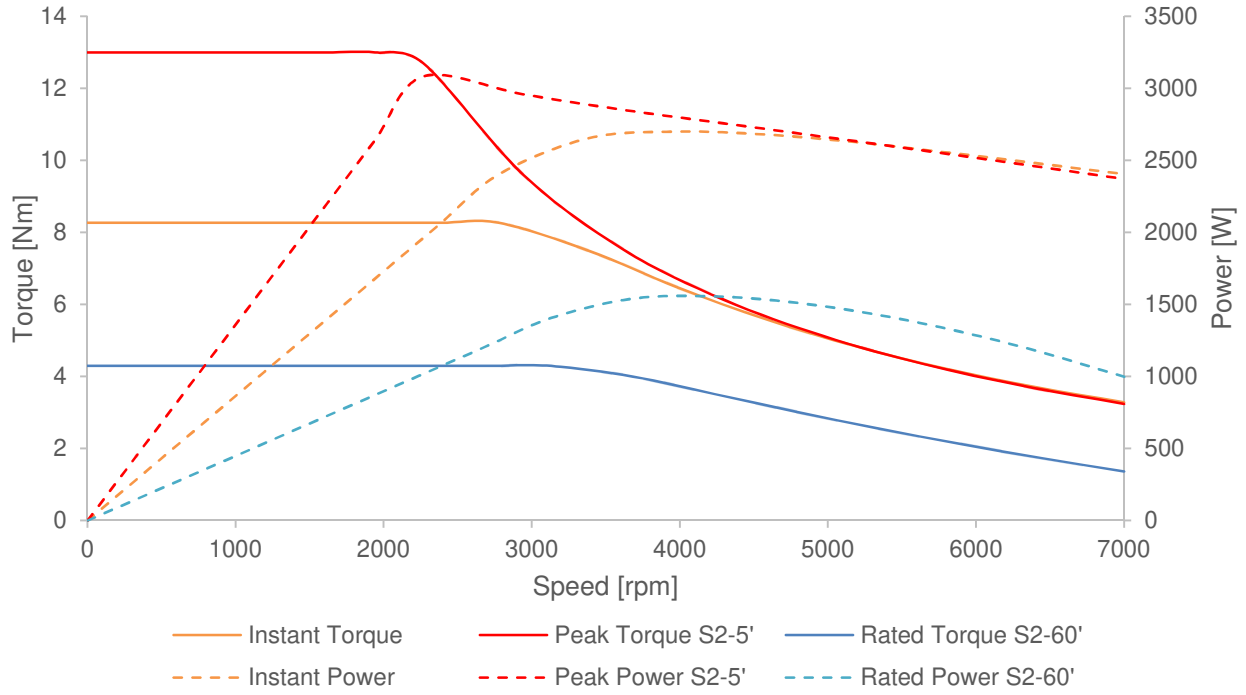
Inverter Power Supply			48Vdc
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Description	Symbol	Unit	
Duty	-	-	S2-60min
Nominal Speed	n_n	rpm	3000
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)
Costant Voltage	K_e	Vrms/Krpm	8.5
Costant Torque	K_t	Nm/Arms	0.14
Instant Torque	T_i	Nm	13.0
Instant Current	I_i	Arms	115.0
Peak Torque S2-5min.	T_p	Nm	8.2
Peak Current S2-5min.	I_p	Arms	68.0
Rated Torque S2-60min.	T_r	Nm	4.3
Rated Current S2-60min.	I_r	Arms	34.0
Rotor Inertia	J_r	kg x m ²	0.008
Ambient Temperature	θ_a	°C	-15 ÷ +40
Protection Degree	IP		IP 54 up to IP67
Insulation Class	-	-	F
Thermal protection	-	-	KTY 84-130
Cooling system			Air

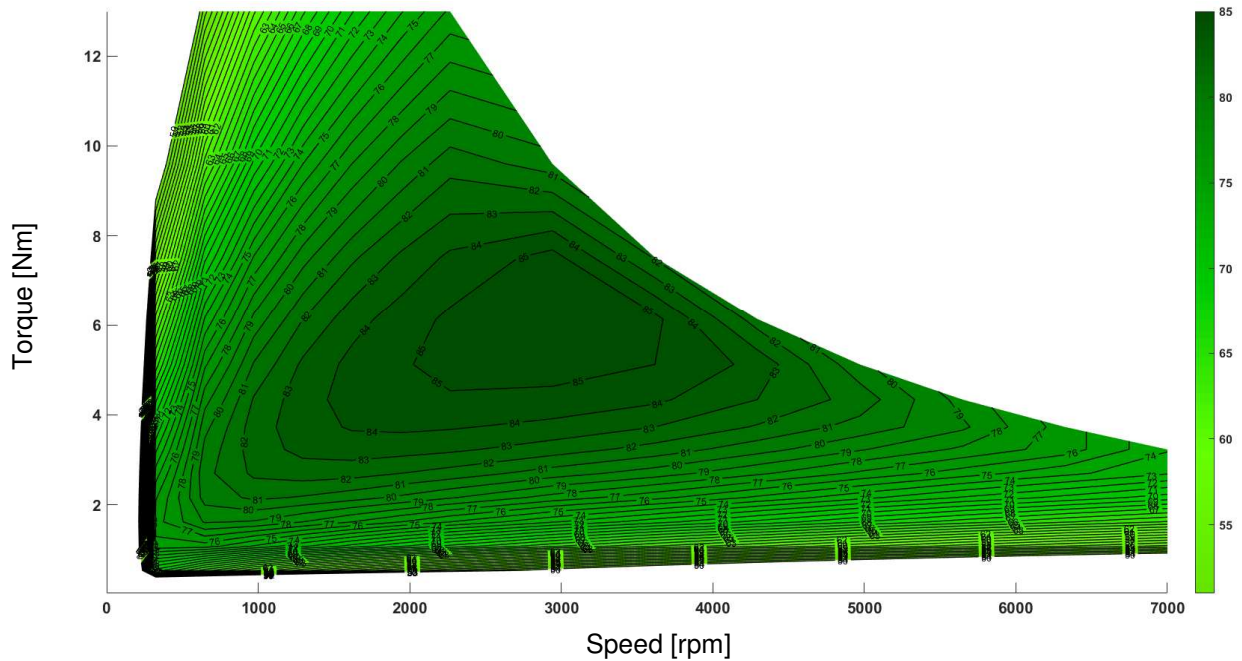
PRELIMINARY

Speed-Torque & Speed Power Motor Curves (*)

SMAC 132-025



Efficiency Map % (*)



* MTPA Field Weakening strategy control & Optimized Advance Angle