

Motor Rated Power			8000W
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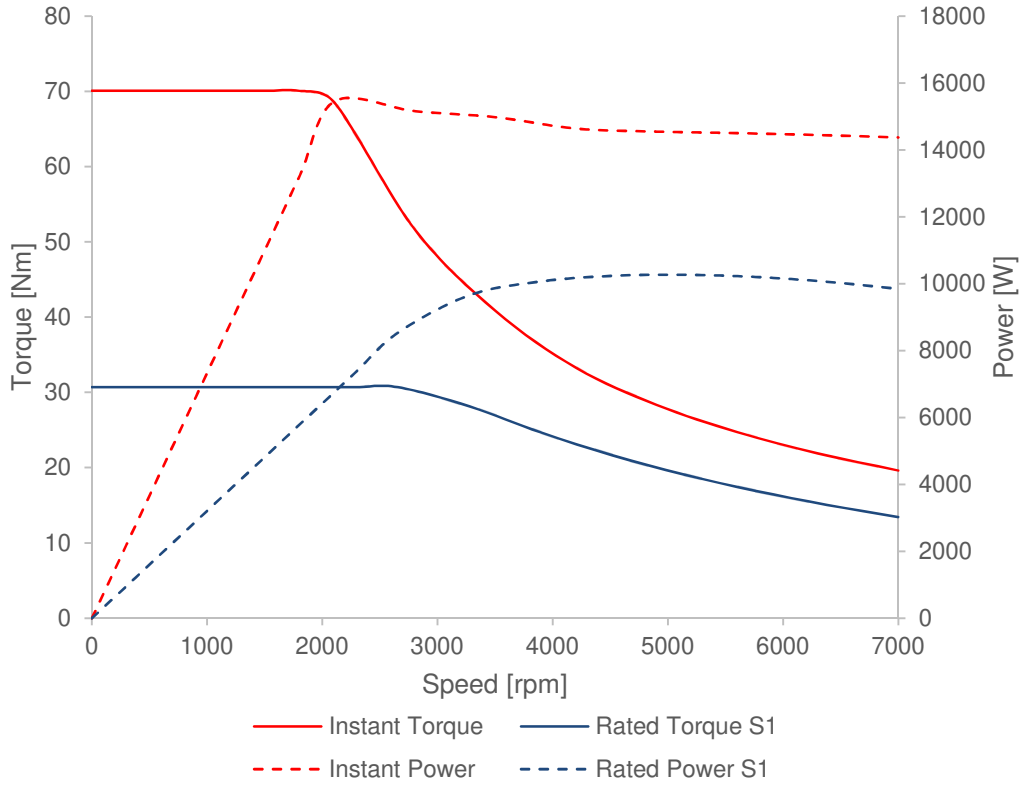
Inverter Power Supply			48Vdc
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Description	Symbol	Unit	
Duty	-	-	S1
Nominal Speed	n_n	rpm	2500
Frequency (N° poles)	$f (2p)$	Hz	166.6 (8)
Costant Voltage	K_e	Vrms/Krpm	9.5
Costant Torque	K_t	Nm/Arms	0.15
Instant Torque	T_i	Nm	70.0
Instant Current	I_i	Arms	525.0
Rated Torque S1	T_r	Nm	30.0
Rated Current S1	I_r	Arms	190.0
Rotor Inertia	J_r	kg x m ²	0.012
Ambient Temperature	θ_a	°C	-15 ÷ +40
Protection Degree	IP		IP 67
Insulation Class	-	-	F
Thermal protection	-	-	PTY 84-130
Cooling system			Liquid

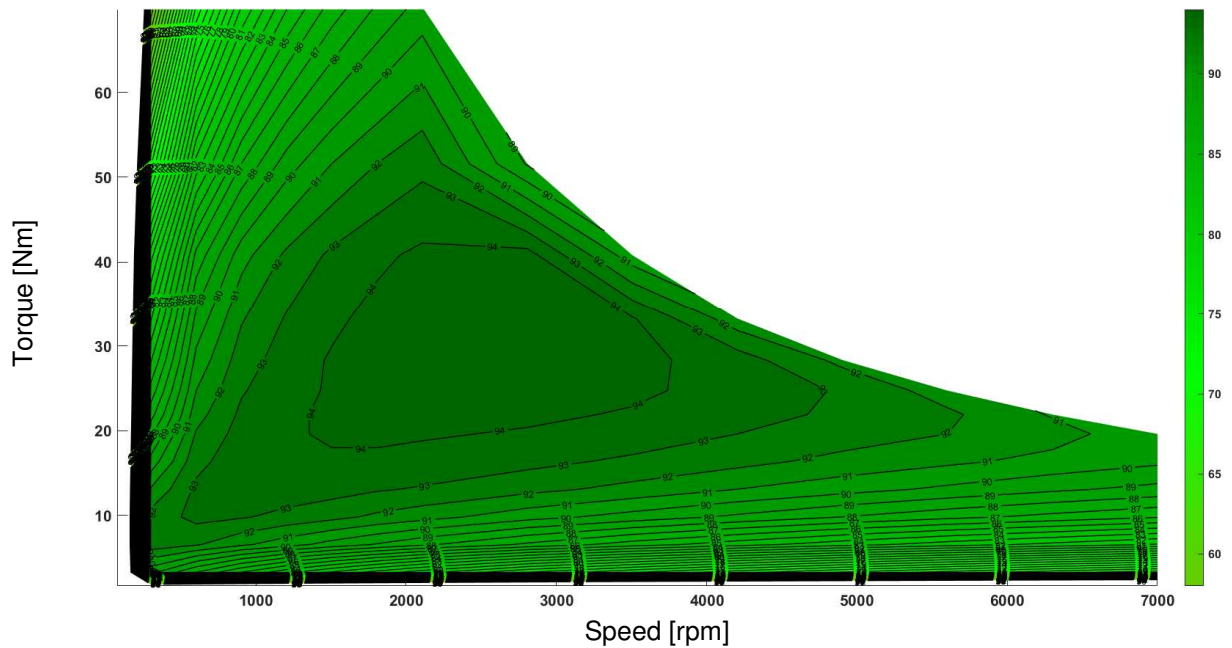
PRELIMINARY

Speed-Torque & Speed Power Motor Curves (*)

SMAC 200-052



Efficiency Map % (*)



* MTPA Field Weakening strategy control & Optimized Advance Angle