 ELECTRIC POWERTRAIN SOLUTIONS	SMAC SERIE			Code	51J20003596PS0802P0	
	TECHNICAL DATA SHEET			Rev.	00	
				3-PHASE SYNCHRONOUS MOTOR		
				Page	1	di

Motor Rated Power			6000W	
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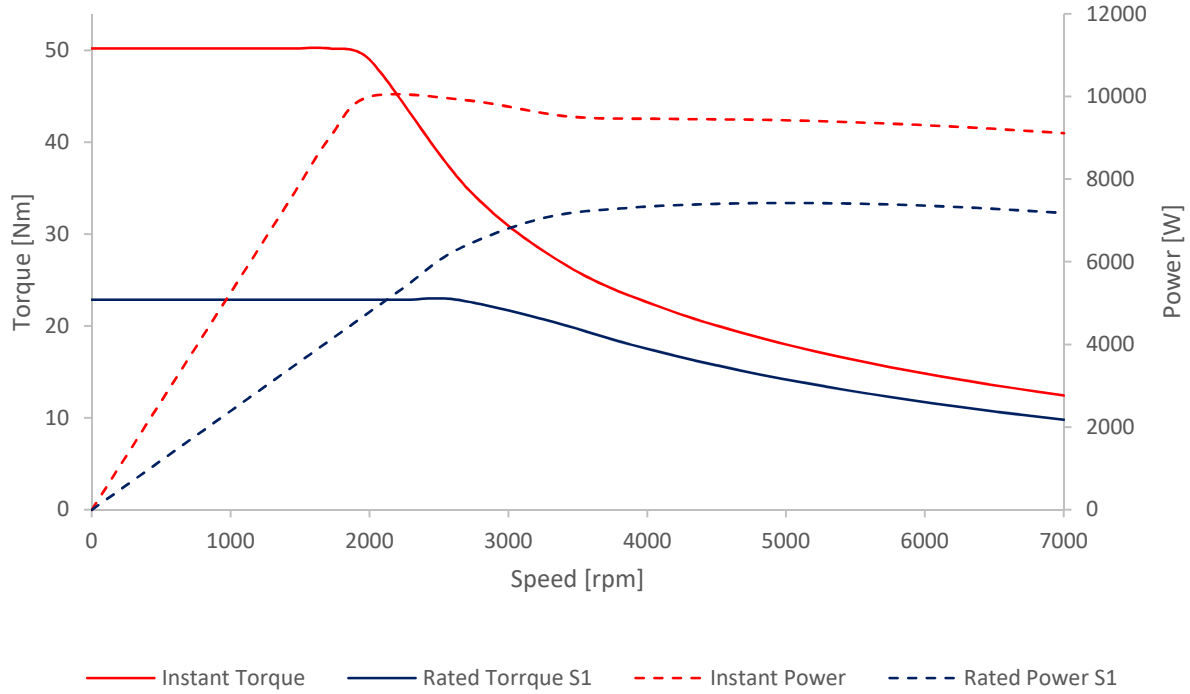
Inverter Power Supply			400Vdc	
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Description	Symbol	Unit		
Duty	-	-	S1	
Nominal Speed	n_n	rpm	2500	
Frequency (N° poles)	$f (2p)$	Hz	166.6 (8)	
Costant Voltage	K_e	Vrms/Krpm	80.0	
Costant Torque	K_t	Nm/Arms	1.3	
Instant Torque	T_i	Nm	50.0	
Instant Current	I_i	Arms	49.0	
Rated Torque S1	T_r	Nm	23.0	
Rated Current S1	I_r	Arms	18.2	
Rotor Inertia	J_r	kg x m ²	0.018	
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			Liquid	

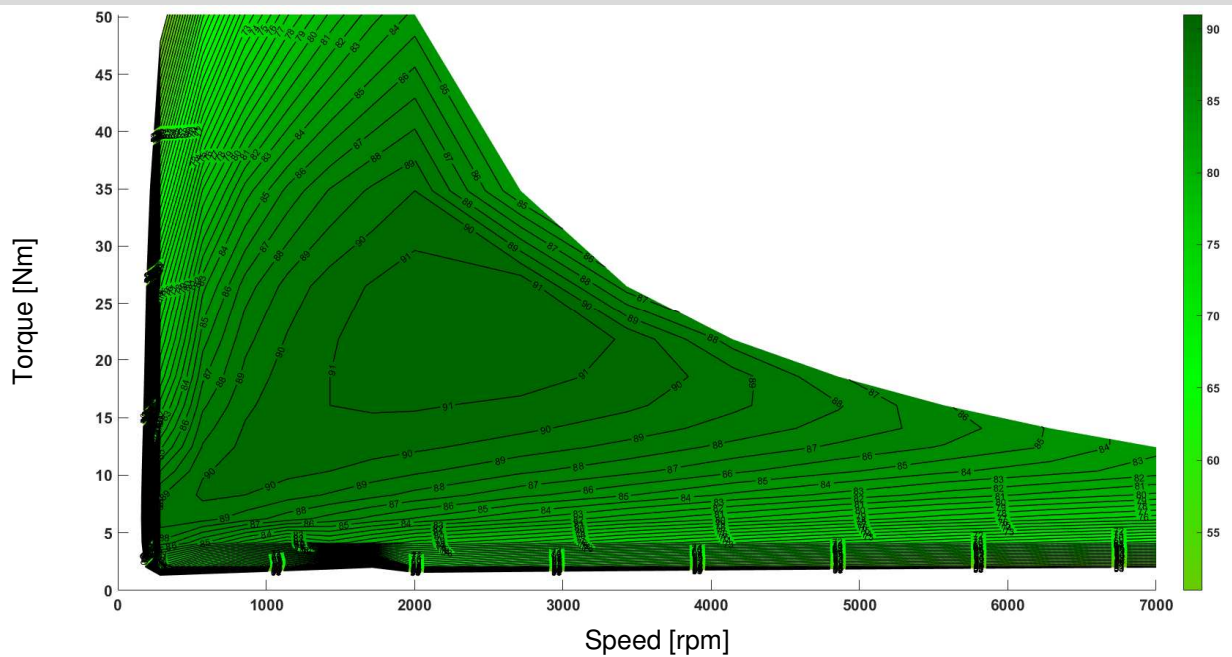
PRELIMINARY

Speed-Torque & Speed Power Motor Curves (*)

SMAC 200-035



Efficiency Map % (*)



* MTPA-MTPV Field Weakening strategy control & Optimized Advance Angle