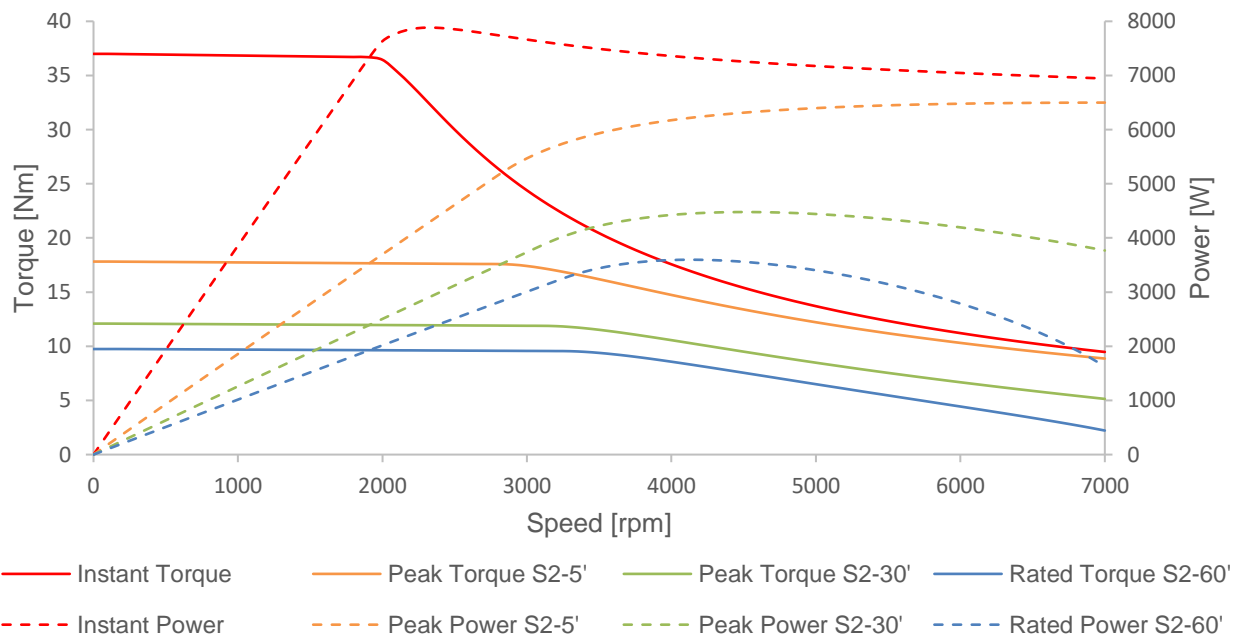


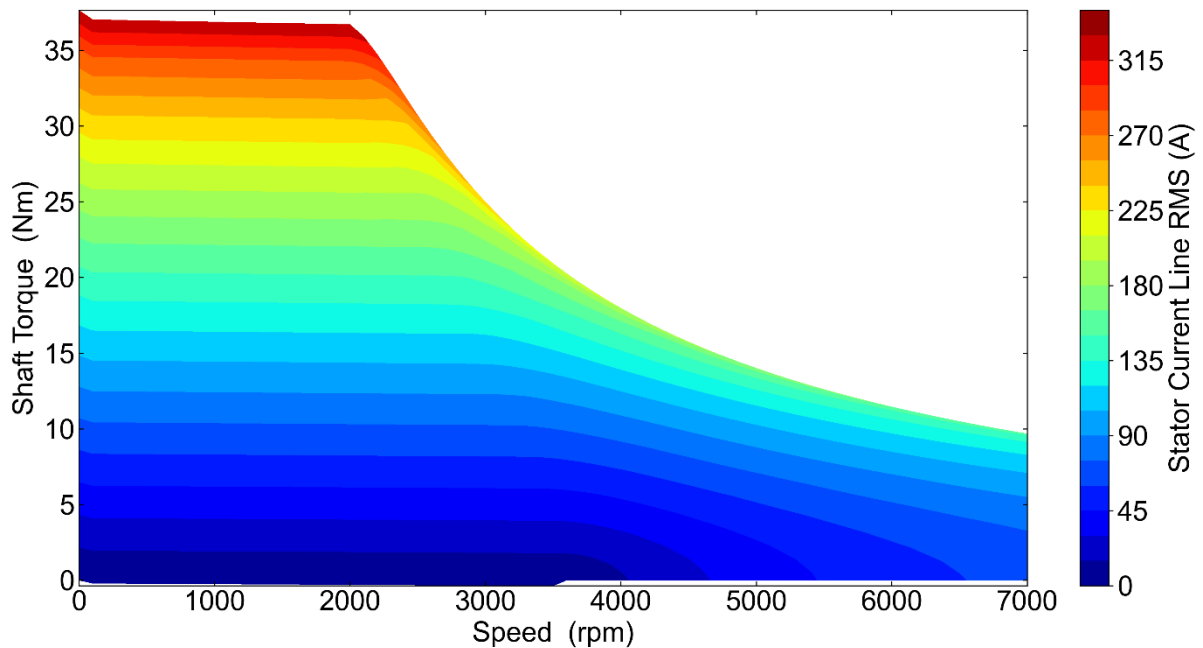
Motor Rated Power			3000W
Inverter Power Supply			48Vdc
Description	Symbol	Unit	
Duty	-	-	S2-60'
Nominal Speed	n_n	rpm	3000
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)
Voltage Constant	K_e	Vrms/Krpm	8.7
Instant Torque	T_i	Nm	36.0
Instant Current	I_i	Arms	330.0
Peak Torque S2-5'	T_p	Nm	18.0
Peak Current S2-5'	I_p	Arms	130.0
Peak Torque S2-30'	T_r	Nm	12.0
Peak Current S2-30'	I_r	Arms	87.0
Rated Torque S2-60'	T_r	Nm	9.5
Rated Current S2-60'	I_r	Arms	70.0
Internal Connection Type	-	-	DELTA
Short Circuit Current	I_{sc}	Arms	140.0
Rotor Inertia	J_r	kg x m ²	0.004
Ambient Temperature	θ_a	°C	-15 ÷ +40
Protection Degree	IP		IP 54 up to IP67
Insulation Class	-	-	F
Thermal protection	-	-	PTY 84-130 Alternative to KTY 84-130

Speed-Torque & Speed Power Motor Curves (*)

SMAC 132-075



Current Map [Arms] (*)



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

Efficiency Map % (*)

