

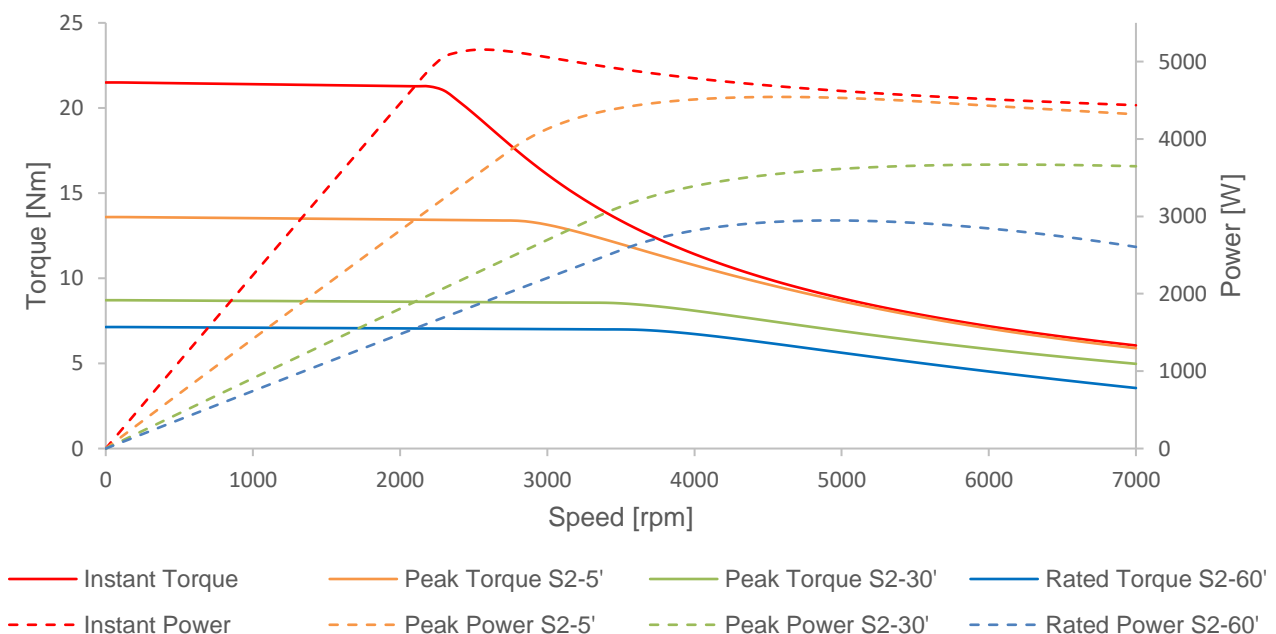
Motor Rated Power	2200W
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Inverter Power Supply	80Vdc
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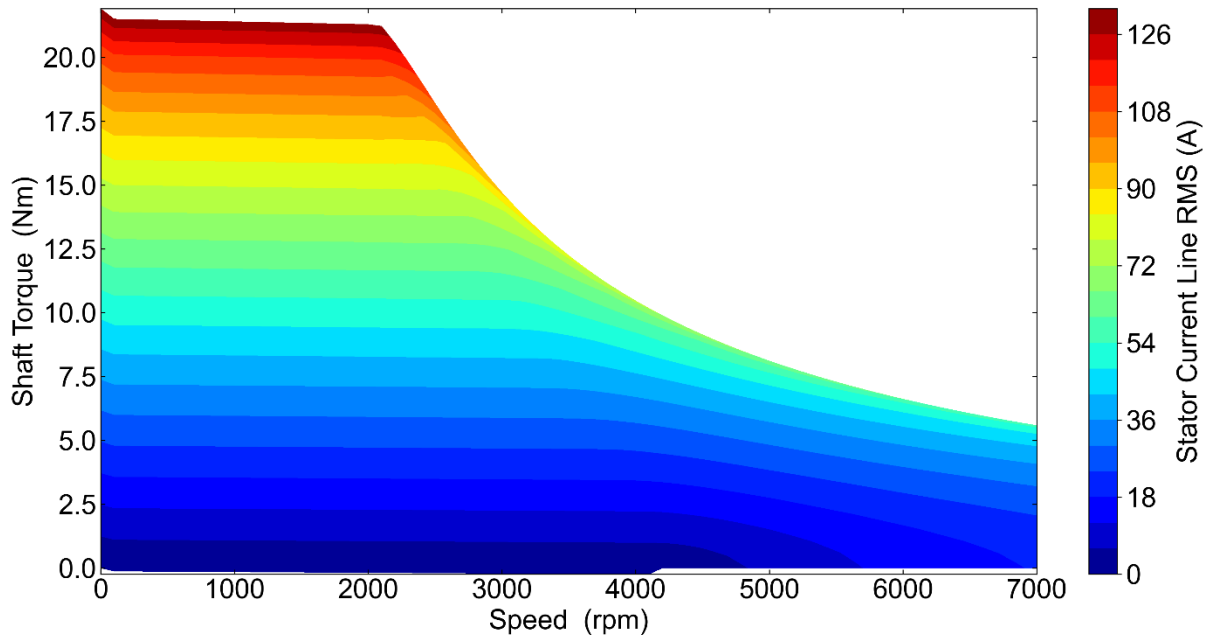
Description	Symbol	Unit	
Duty	-	-	S2-60'
Nominal Speed	n_n	rpm	3000
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)
Voltage Constant	K_e	Vrms/Krpm	13.7
Instant Torque	T_i	Nm	21.0
Instant Current	I_i	Arms	130.0
Peak Torque S2-5'	T_p	Nm	13.5
Peak Current S2-5'	I_p	Arms	65.0
Peak Torque S2-30'	T_r	Nm	9.0
Peak Current S2-30'	I_r	Arms	40.0
Rated Torque S2-60'	T_r	Nm	7.0
Rated Current S2-60'	I_r	Arms	32.0
Connection Type	-	-	DELTA
Short Circuit Current	I_{sc}	Arms	50.0
Rotor Inertia	J_r	kg x m ²	0.007
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 132-050



Current Map [Arms] (*)



* MTPA – MTPV Field Weakening strategy control & Optimized Advance Angle
(Ref. Simulation temperature 20.0°C)

Efficiency Map % (*)

