

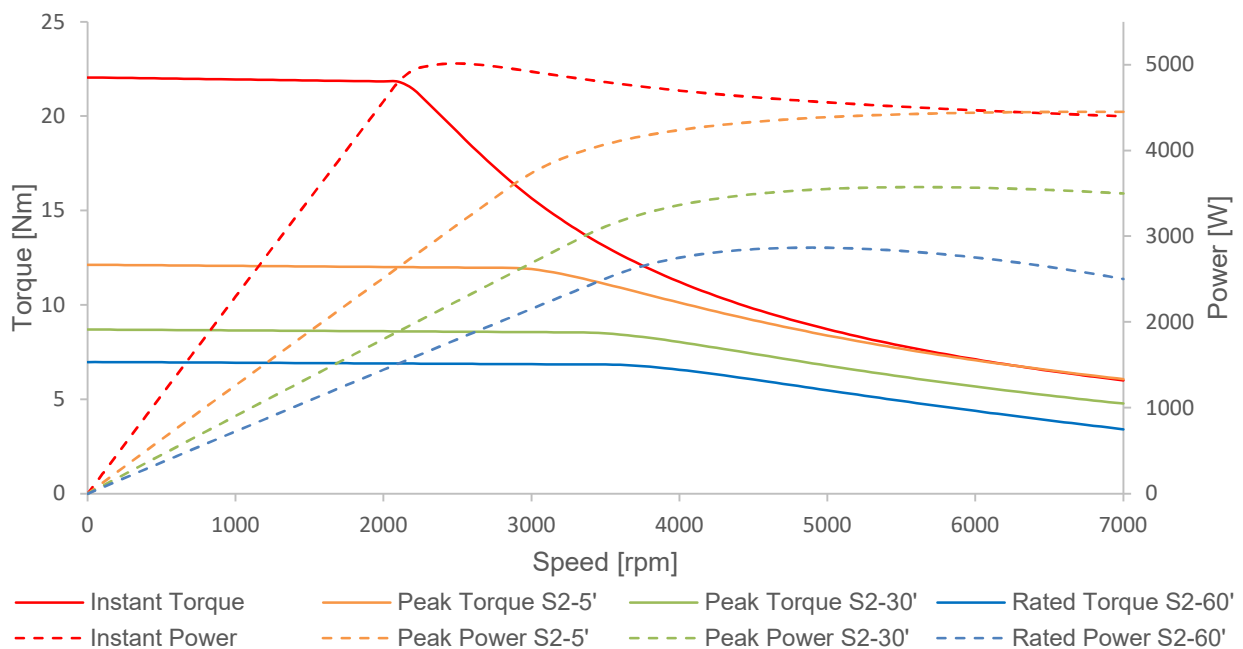
**Motor Rated Power** **2200W**

**Inverter Power Supply** **48Vdc**

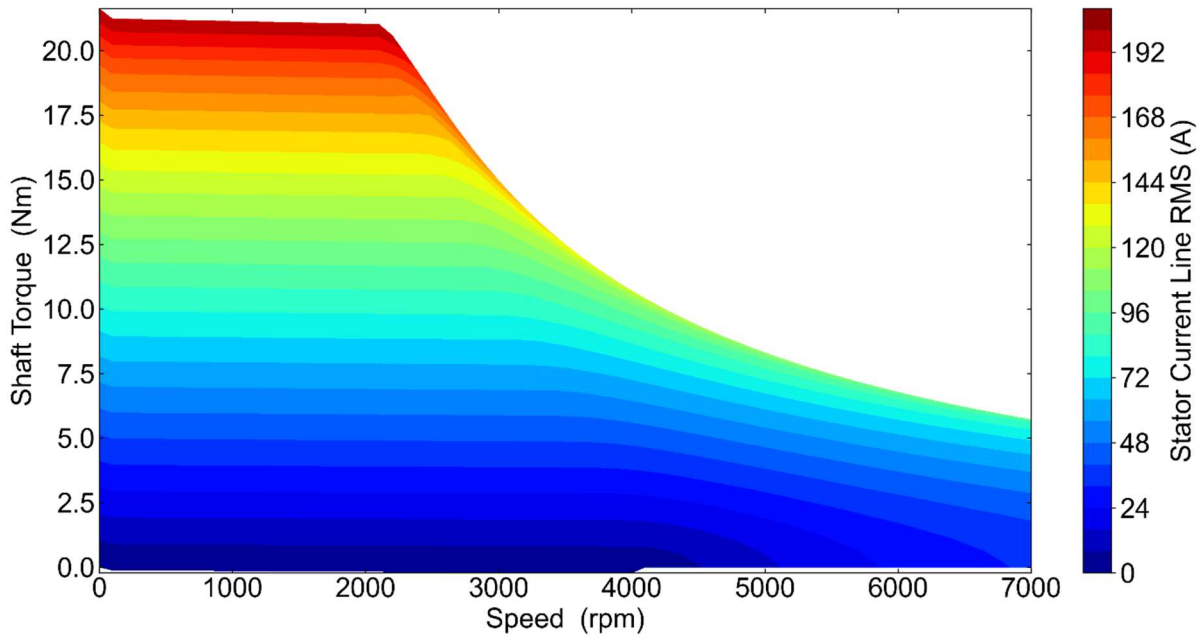
Description	Symbol	Unit		
Duty	-	-	S2-60'	
Nominal Speed	$n_n$	rpm	3000	
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)	
Voltage Constant	$K_e$	Vrms/Krpm	8.4	
Instant Torque	$T_i$	Nm	21.0	
Instant Current	$I_i$	Arms	200.0	
Peak Torque	$T_p$	Nm	12.0	
Peak Current	$I_p$	Arms	93.0	
Peak Torque	$T_r$	Nm	8.7	
Peak Current	$I_r$	Arms	65.0	
Rated Torque	$T_r$	Nm	7.0	
Rated Current	$I_r$	Arms	52.0	
Internal Connection Type	-	-	DELTA	
Short Circuit Current	$I_{sc}$	Arms	83.0	
Rotor Inertia	$J_r$	kg x m <sup>2</sup>	0.007	
Ambient Temperature	$\theta_a$	°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

Efficiency Map % (\*)

