

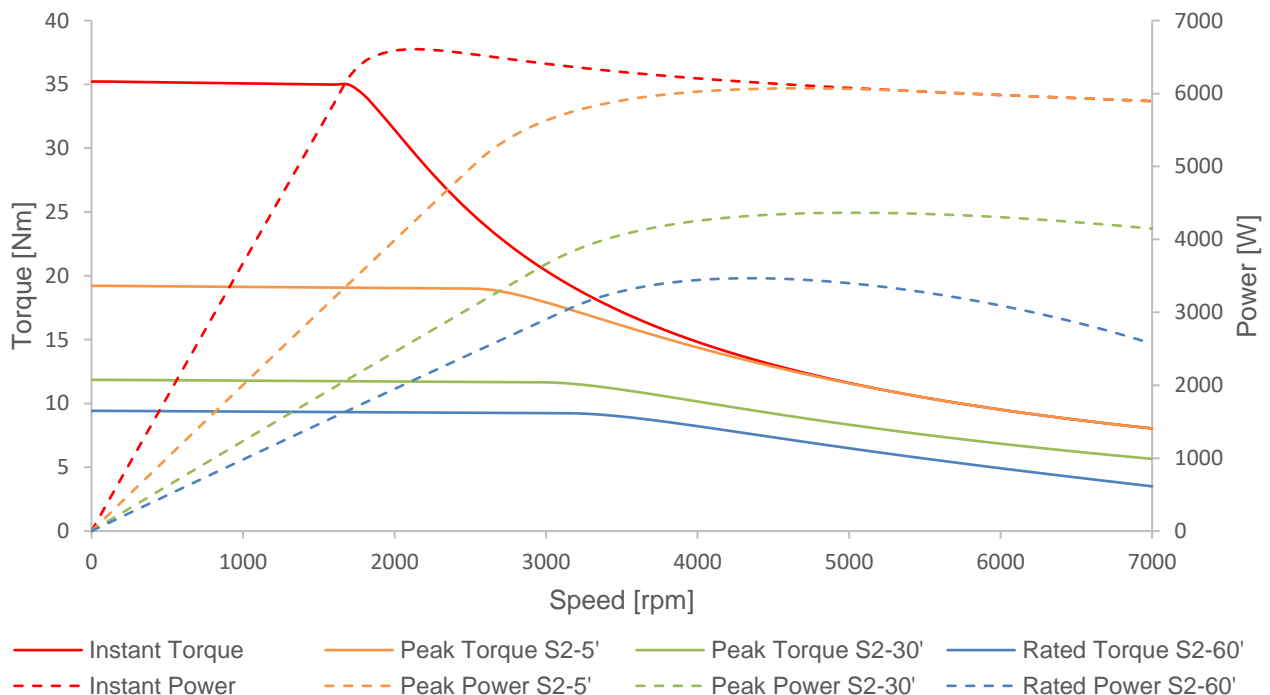
Motor Rated Power	3000W
--------------------------	--------------

Inverter Power Supply	24Vdc
------------------------------	--------------

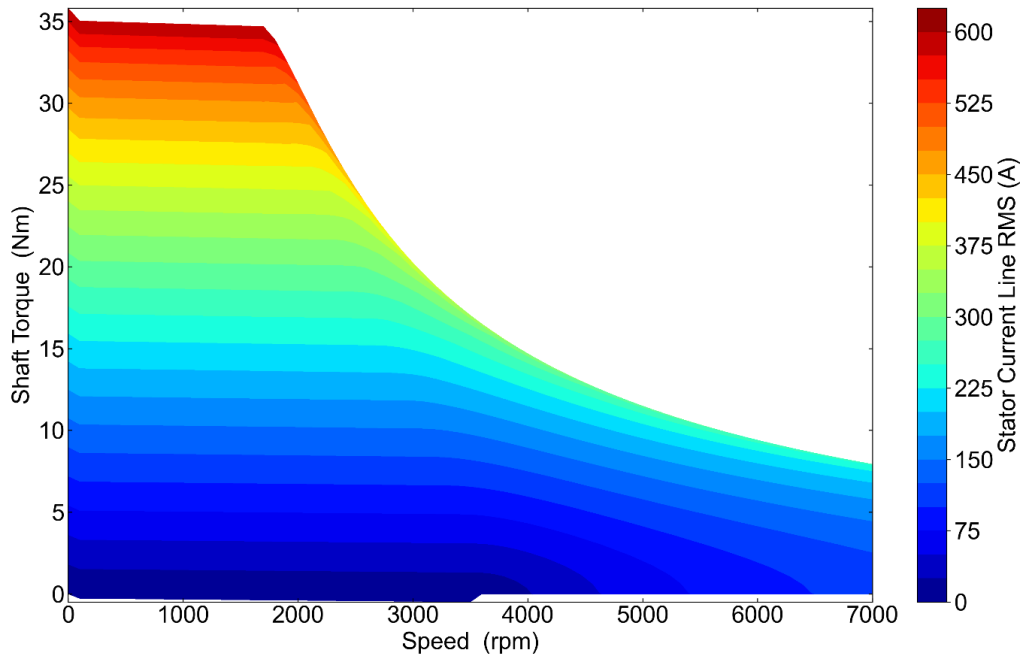
Description	Symbol	Unit		
Duty	-	-	S2-60'	
Nominal Speed	n_n	rpm	3000	
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)	
Voltage Constant	K_e	Vrms/Krpm	4.3	
Instant Torque	T_i	Nm	35.0	
Instant Current	i_i	Arms	600.0	
Peak Torque S2-5'	T_p	Nm	19.5	
Peak Current S2-5'	i_p	Arms	280.0	
Peak Torque S2-30'	T_r	Nm	12.0	
Peak Current S2-30'	i_r	Arms	170.0	
Rated Torque S2-60'	T_r	Nm	9.5	
Rated Current S2-60'	i_r	Arms	135.0	
Internal Connection Type	-	-	DELTA	
Short Circuit Current	I_{sc}	Arms	280.0	
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 % (*)

