

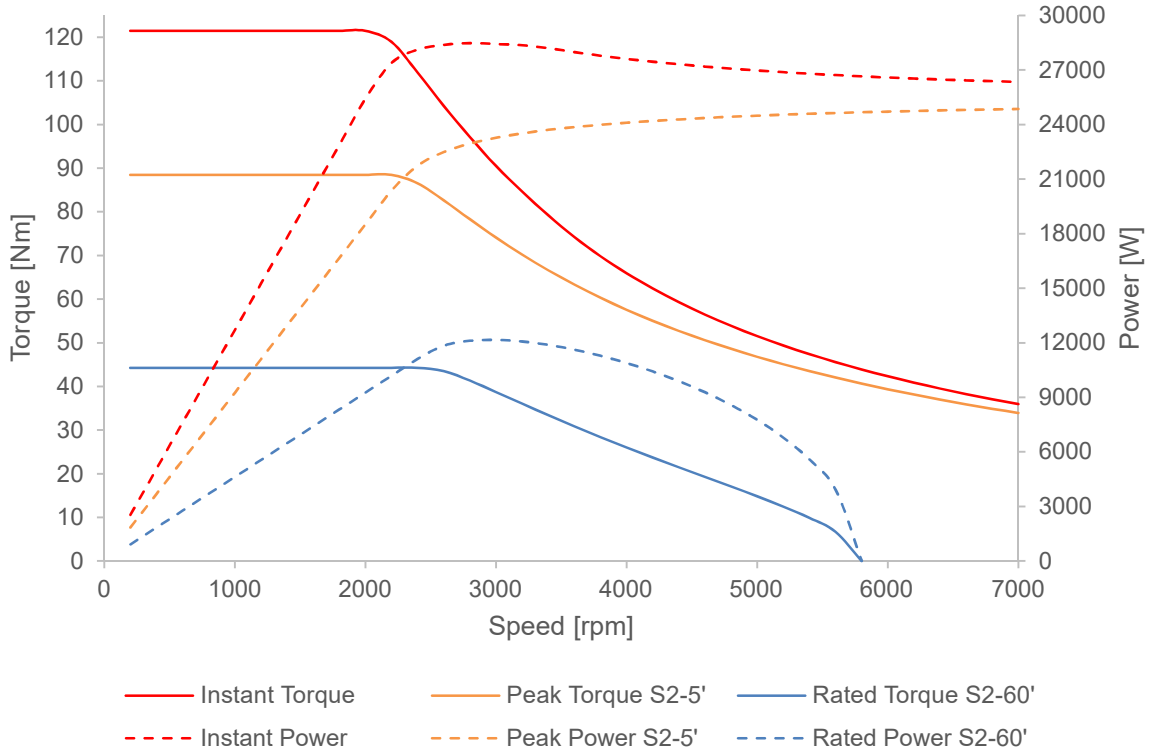
PMAC 200-105 19

Motor Rated Power			9000W	
Inverter Power Supply			48Vdc	

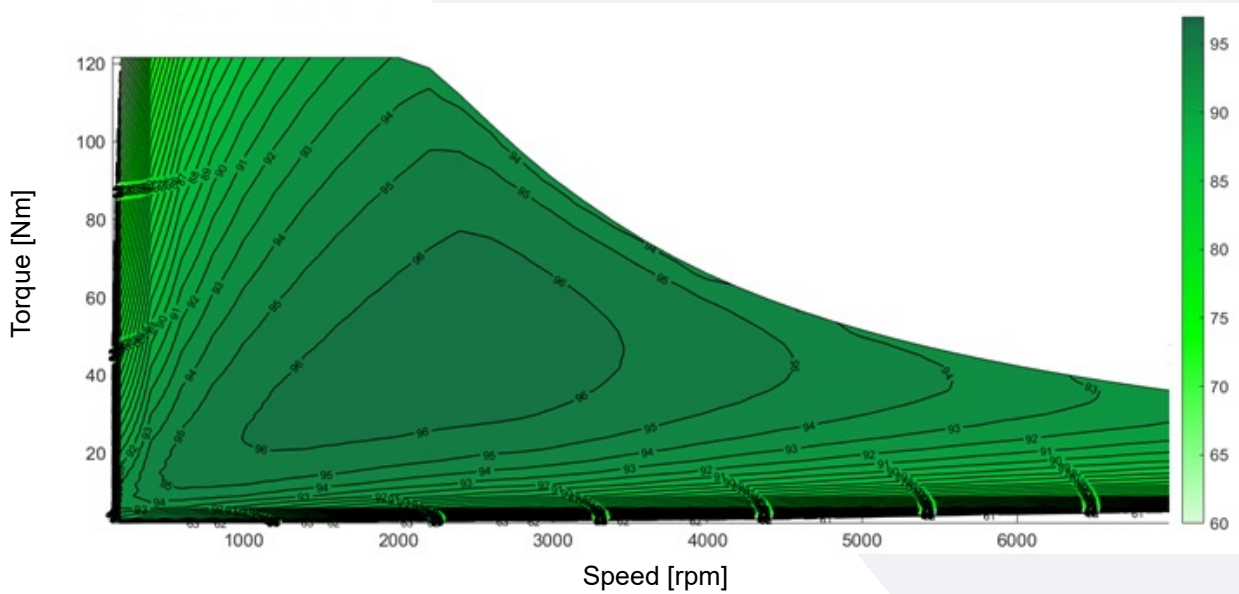
Description		Symbol	Unit		
<i>Duty</i>		-	-	S2-60min	
<i>Nominal Speed</i>		n_n	<i>rpm</i>	2000	
<i>Frequency (N° poles)</i>		$f (2p)$	<i>Hz</i>	133.3 (8)	
<i>Constant Voltage</i>		K_e	<i>Vrms/Krpm</i>	13.0	
<i>Constant Torque</i>		K_t	<i>Nm/Arms</i>	0.21	
<i>Instant Torque</i>		T_i	<i>Nm</i>	120.0	
<i>Instant Current</i>		I_i	<i>Arms</i>	650.0	
<i>Peak Torque S2-5min.</i>		T_p	<i>Nm</i>	88.0	
<i>Peak Current S2-5min.</i>		I_p	<i>Arms</i>	440.0	
<i>Rated Torque S2-60min.</i>		T_r	<i>Nm</i>	44.0	
<i>Rated Current S2-60min.</i>		I_r	<i>Arms</i>	210.0	
<i>Rotor Inertia</i>		J_r	<i>kg x m²</i>	0.018	
<i>Ambient Temperature</i>		θ_a	<i>°C</i>	-15 ÷ +40	
<i>Protection Degree</i>		IP		IP 54	up to IP67
<i>Insulation Class</i>		-	-	F	
<i>Thermal protection</i>		-	-	KTY 84-130	
<i>Cooling system</i>				Air	

Speed-Torque & Speed Power Motor Curves (*)

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Efficiency Map % (*)



* MTPA Field Weakening strategy control & Optimized Advance Angle