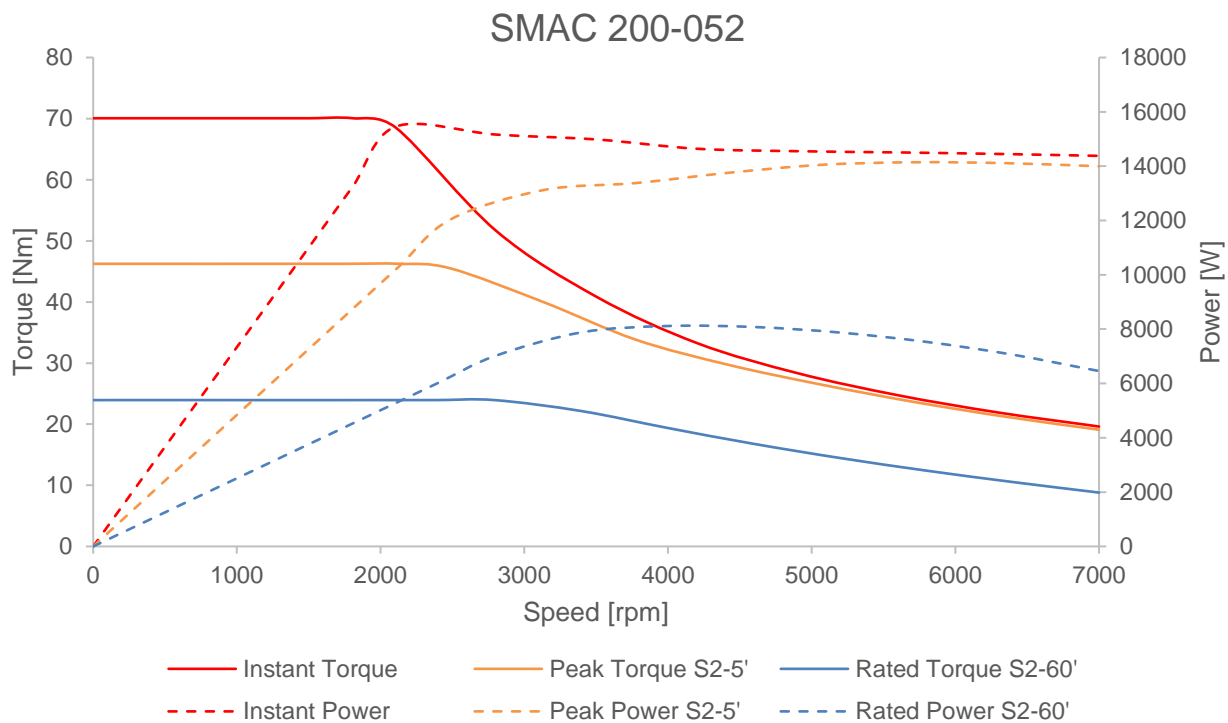


<b>Motor Rated Power</b>			<b>7500W</b>	
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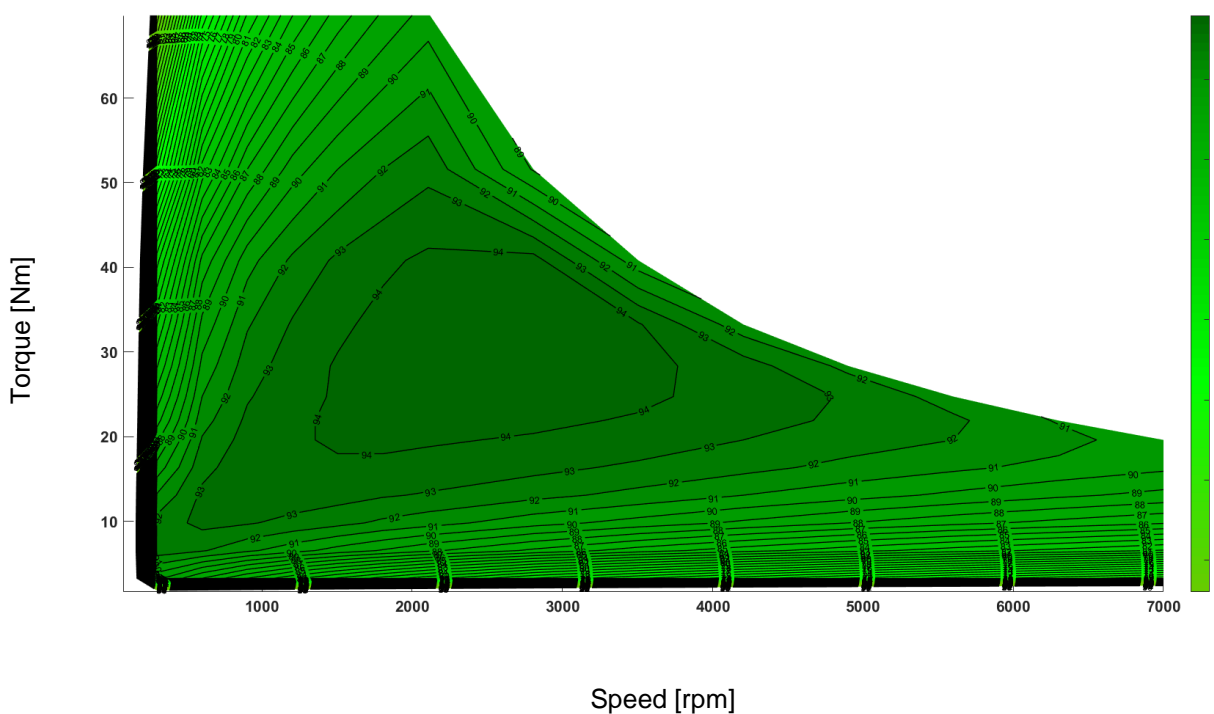
<b>Inverter Power Supply</b>			<b>48Vdc</b>	
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<b>Description</b>	<b>Symbol</b>	<b>Unit</b>		
<i>Duty</i>	-	-	S2-60min	
<i>Nominal Speed</i>	$n_n$	<i>rpm</i>	3000	
<i>Frequency (N° poles)</i>	$f (2p)$	<i>Hz</i>	200 (8)	
<i>Constant Voltage</i>	$K_e$	<i>Vrms/Krpm</i>	9.5	
<i>Constant Torque</i>	$K_t$	<i>Nm/Arms</i>	0.15	
<i>Instant Torque</i>	$T_{inst}$	<i>Nm</i>	70.0	
<i>Instant Current</i>	$I_{inst}$	<i>Arms</i>	525	
<i>Peak Torque S2-5min.</i>	$T_{peak}$	<i>Nm</i>	46.0	
<i>Peak Current S2-5min.</i>	$I_{peak}$	<i>Arms</i>	300	
<i>Nominal Torque S2-60min.</i>	$T_n$	<i>Nm</i>	24.0	
<i>Nominal Current S2-60min.</i>	$I_n$	<i>Arms</i>	150	
<i>Rotor Inertia</i>	$J_r$	<i>kg x m<sup>2</sup></i>	0.009	
<i>Ambient Temperature</i>	$\theta_a$	<i>°C</i>	-15 ÷ +40	
<i>Protection Degree</i>	<i>IP</i>		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



Efficiency Map % (\*)



\* MTPA Field Weakening strategy control & Optimized Advance Angle