

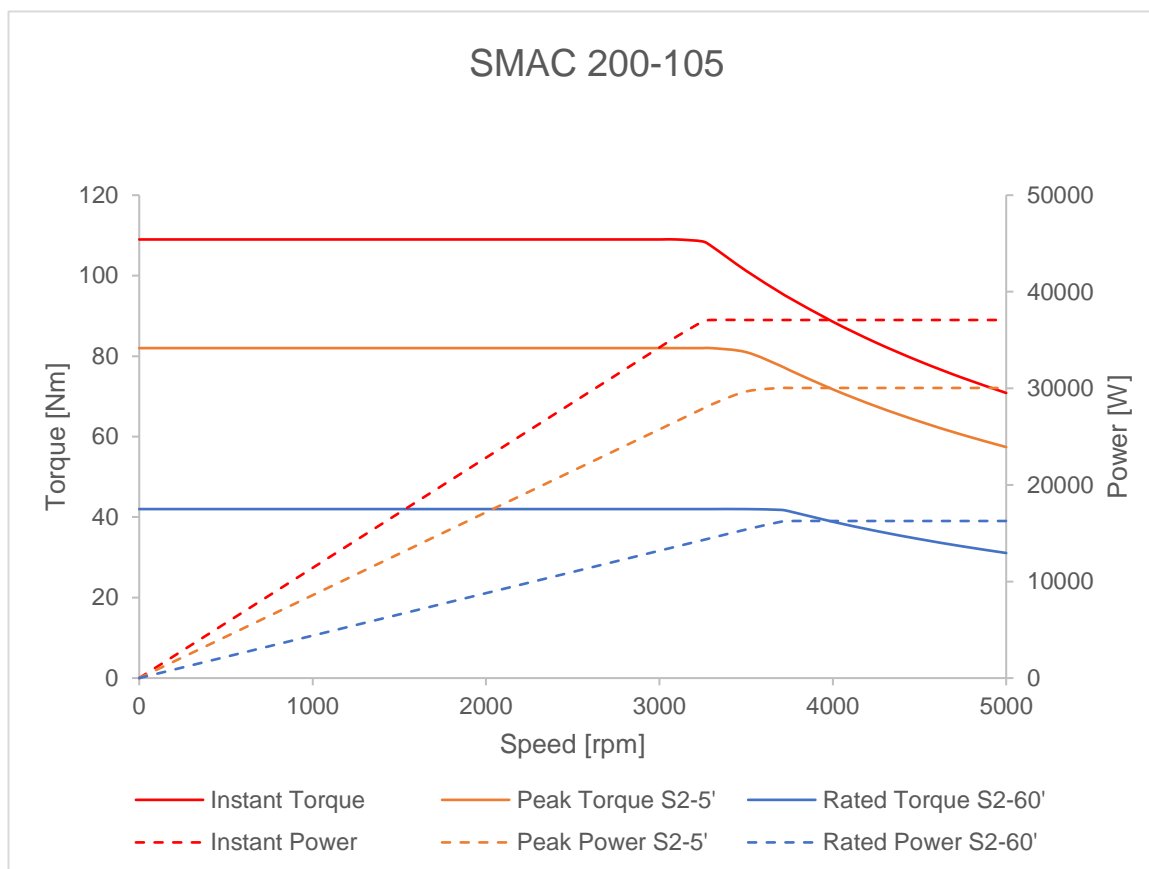
<b>Motor Rated Power</b>			<b>15000W</b>	
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<b>Inverter Power Supply</b>			<b>96Vdc</b>	
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<b>Description</b>	<b>Symbol</b>	<b>Unit</b>		
<i>Duty</i>	-	-	S2-60min	
<i>Nominal Speed</i>	$n_n$	<i>rpm</i>	3500	
<i>Frequency (N° poles)</i>	$f (2p)$	<i>Hz</i>	200 (8)	
<i>Costant Voltage</i>	$K_e$	<i>Vrms/Krpm</i>	13.0	
<i>Costant Torque</i>	$K_t$	<i>Nm/Arms</i>	0.21	
<i>Instant Torque</i>	$T_i$	<i>Nm</i>	109.0	
<i>Instant Current</i>	$I_i$	<i>Arms</i>	650.0	
<i>Peak Torque S2-5min</i>	$T_p$	<i>Nm</i>	82.0	
<i>Peak Current S2-5min</i>	$I_p$	<i>Arms</i>	440.0	
<i>Rated Torque S2-60min</i>	$T_r$	<i>Nm</i>	42.0	
<i>Rated Current S2-60min</i>	$I_r$	<i>Arms</i>	210.0	
<i>Rotor Inertia</i>	$J_r$	<i>kg x m<sup>2</sup></i>	0.018	
<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>	-	-	PTY 84-130	
<i>Cooling system</i>			Air	

**PRELIMINARY**

Speed-Torque & Speed Power Motor Curves (\*)



Efficiency Map % (\*)

Torque [Nm]

TBD

Speed [rpm]

\* MTPA Field Weakening strategy control & Optimized Advance Angle