

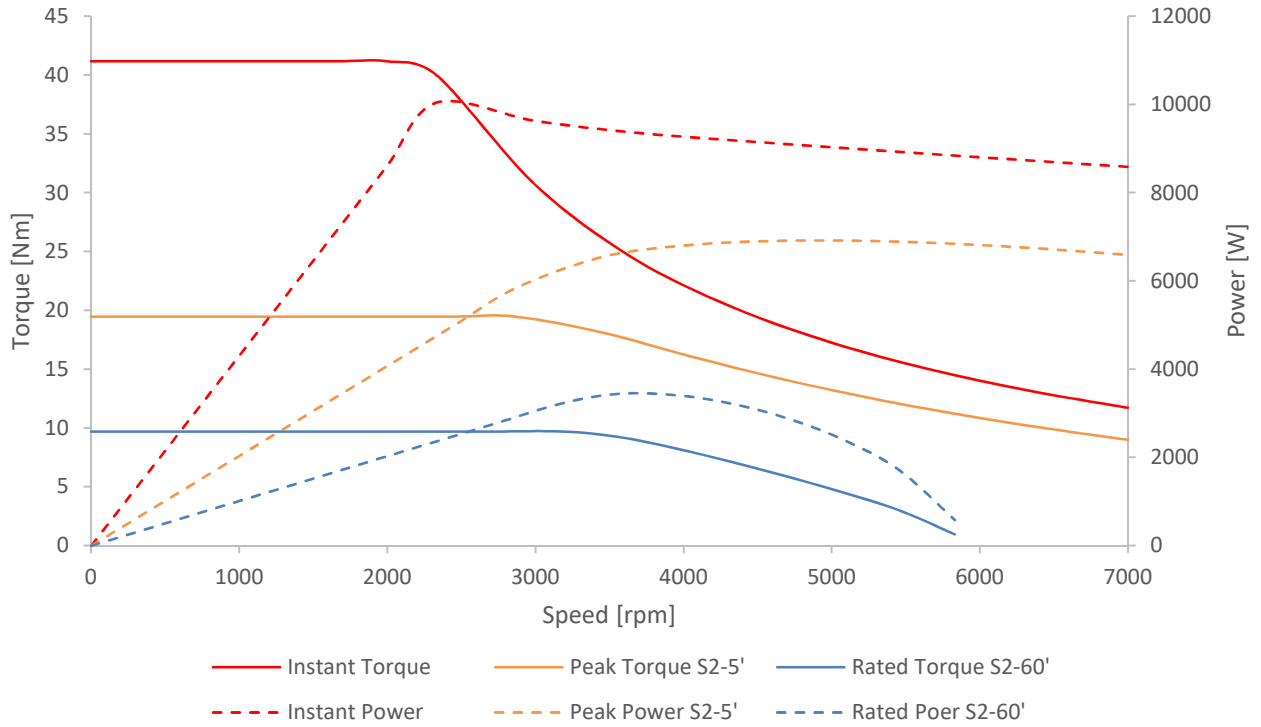
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Motor Rated Power			3000W	
Inverter Power Supply			48Vdc	
Description	Symbol	Unit		
<i>Duty</i>	-	-	S2-60min	
<i>Nominal Speed</i>	n_n	<i>rpm</i>	3000	
<i>Frequency (N° poles)</i>	$f (2p)$	<i>Hz</i>	200.0 (8)	
<i>Costant Voltage</i>	K_e	<i>Vrms/Krpm</i>	9.5	
<i>Costant Torque</i>	K_t	<i>Nm/Arms</i>	0.15	
Instant Torque				
<i>Instant Torque</i>	T_i	<i>Nm</i>	41.0	
<i>Instant Current</i>	I_i	<i>Arms</i>	330.0	
Peak Torque S2-5min.				
<i>Peak Torque</i>	T_p	<i>Nm</i>	19.5	
<i>Peak Current</i>	I_p	<i>Arms</i>	130.0	
Rated Torque S2-60min.				
<i>Rated Torque</i>	T_r	<i>Nm</i>	9.5	
<i>Rated Current</i>	I_r	<i>Arms</i>	65	
<i>Rotor Inertia</i>	J_r	<i>kg x m²</i>	0.004	
<i>Ambient Temperature</i>	θ_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	
Cooling system				
			Air	

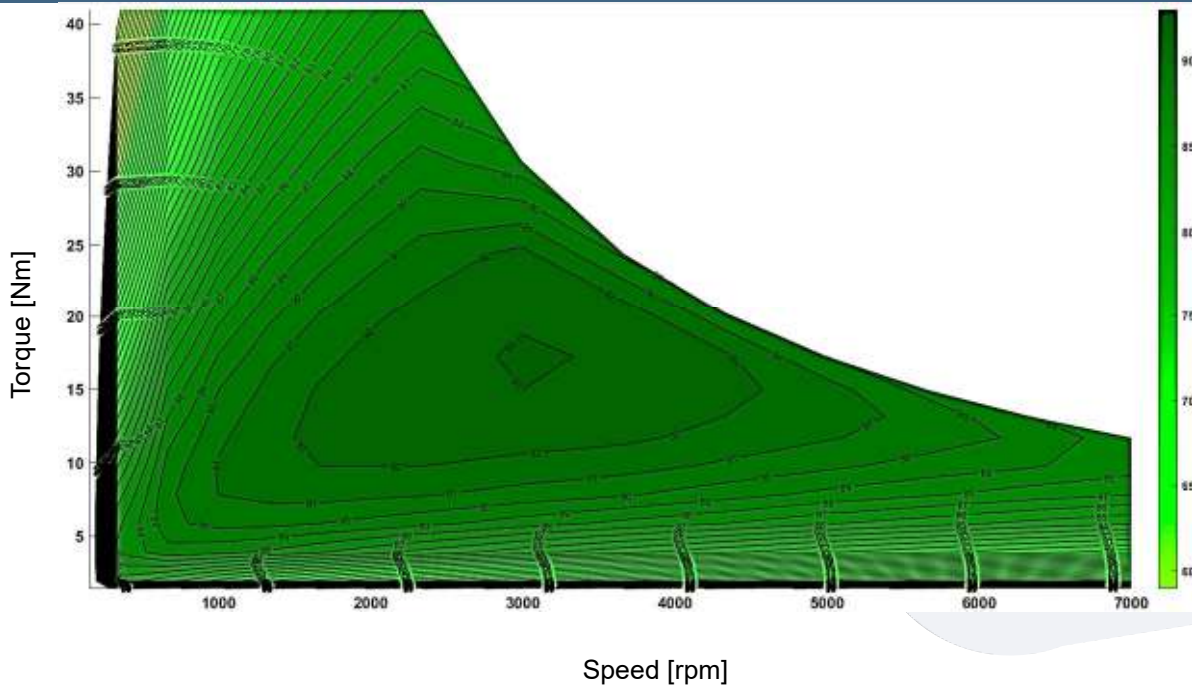
PRELIMINARY

Speed-Torque & Speed Power Motor Curves (*)

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Efficiency Map % (*)



* MTPA Field Weakening strategy control & Optimized Advance Angle