

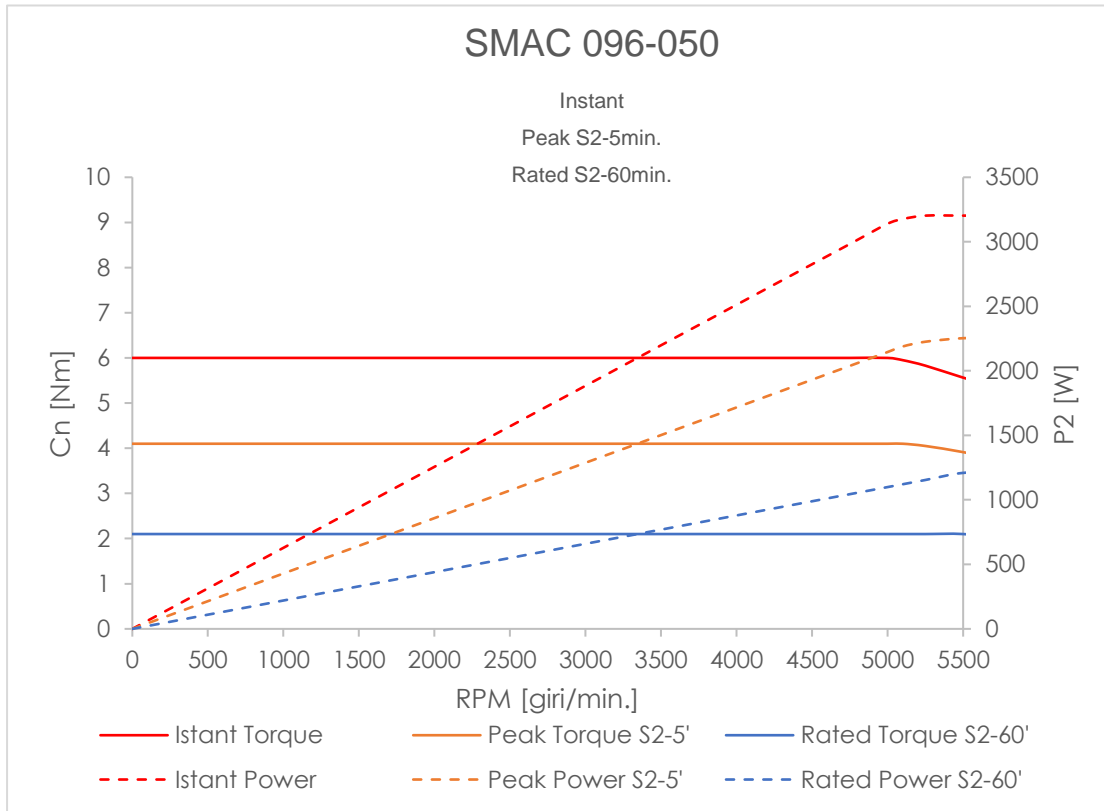
<b>Motor Rated Power</b>			<b>1000W</b>	
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<b>Inverter Power Supply</b>			<b>24Vdc</b>	
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Description	Symbol	Unit		
Duty	-	-	S2-60min	
Nominal Speed	$n_n$	rpm	5000	
Frequency (N° poles)	$f (2p)$	Hz	250.0 (6)	
Maximum speed	$n_{MAX}$	rpm	5500	
Constant Voltage	$K_e$	Vrms/Krpm	3.0	
Constant Torque	$K_t$	Nm/Arms	0.04	
Instant Torque	$T_{inst}$	Nm	6.0	
Instant Current	$I_{inst}$	Arms	120.0	
Peak Torque S2-5min.	$T_{peak}$	Nm	4.1	
Peak Current S2-5min.	$I_{peak}$	Arms	80.0	
Nominal Torque S2-60min.	$T_n$	Nm	2.1	
Nominal Current S2-60min.	$I_n$	Arms	40.0	
Rotor Inertia	$J_r$	kg x m <sup>2</sup>	1.5 x 10 <sup>-3</sup>	
Ambient Temperature	$\theta_a$	°C	-15 ÷ +40	
Protection Degree	IP		IP 54	up to IP67
Insulation Class	-	-	F	
Thermal protection	-	-	KTY 84-130	
Motor Weight	$M$	kg	2.5	

**PRELIMINARY**

Speed-Torque & Speed Power Motor Curves



Efficiency Map

