

<b>Motor Rated Power</b>			<b>3000W</b>
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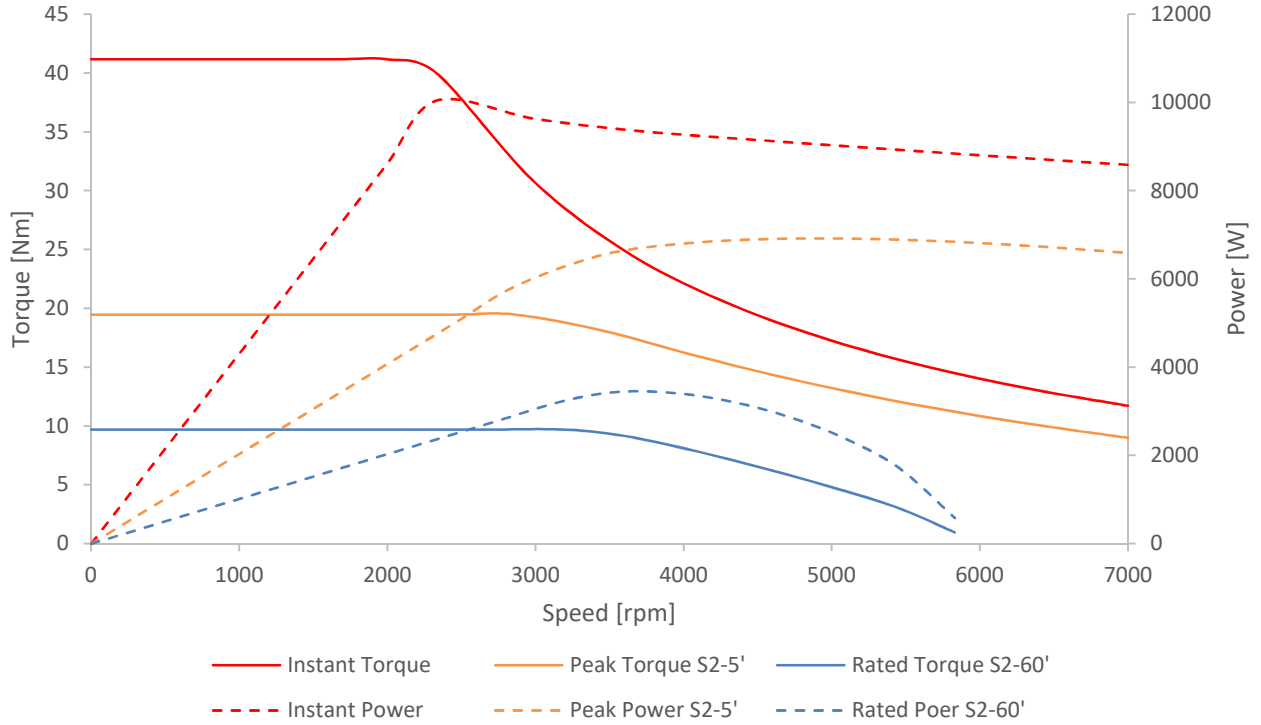
<b>Inverter Power Supply</b>			<b>48Vdc</b>
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<b>Description</b>	<b>Symbol</b>	<b>Unit</b>	
Duty	-	-	S2-60min
Nominal Speed	$n_n$	rpm	3000
Frequency (N° poles)	$f (2p)$	Hz	200.0 (8)
Costant Voltage	$K_e$	Vrms/Krpm	9.5
Costant Torque	$K_t$	Nm/Arms	0.15
Instant Torque	$T_i$	Nm	41.0
Instant Current	$I_i$	Arms	330.0
Peak Torque S2-5min.	$T_p$	Nm	19.5
Peak Current S2-5min.	$I_p$	Arms	130.0
Rated Torque S2-60min.	$T_r$	Nm	9.5
Rated Current S2-60min.	$I_r$	Arms	65
Rotor Inertia	$J_r$	kg x m <sup>2</sup>	0.004
Ambient Temperature	$\theta_a$	°C	-15 ÷ +40
Protection Degree	IP		IP 54 up to IP67
Insulation Class	-	-	F
Thermal protection	-	-	KTY 84-130
Cooling system			Air

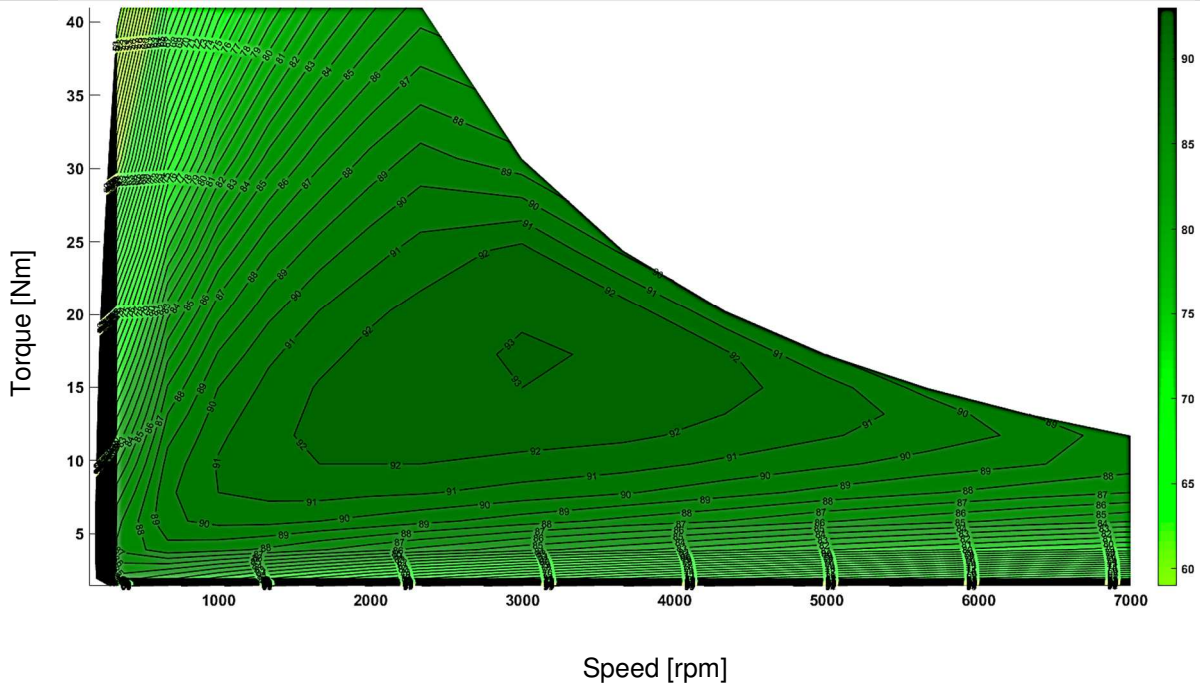
**PRELIMINARY**

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

SMAC 132-075



Efficiency Map % (\*)



\* MTPA Field Weakening strategy control & Optimized Advance Angle