

<b>Motor Rated Power</b>			<b>25000W</b>
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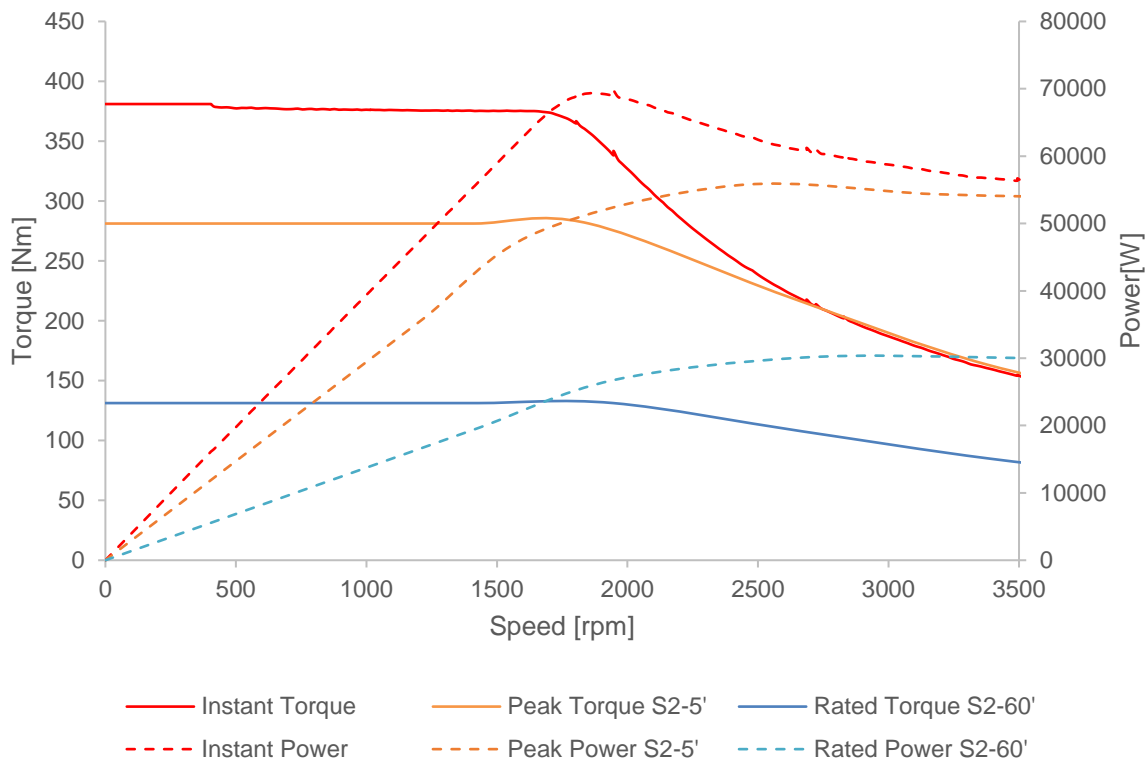
<b>Inverter Power Supply</b>			<b>96Vdc</b>
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<b>Description</b>	<b>Symbol</b>	<b>Unit</b>	
<i>Duty</i>	-	-	S2-60min
<i>Nominal Speed</i>	$n_n$	rpm	2000
<i>Frequency (N° poles)</i>	$f (2p)$	Hz	99.9 (6)
<i>Constant Voltage</i>	$K_e$	Vrms/Krpm	22.6
<i>Instant Torque</i>	$T_i$	Nm	380.0
<i>Instant Current</i>	$I_i$	Arms	900.0
<i>Peak Torque S2-5min.</i>	$T_p$	Nm	280.0
<i>Peak Current S2-5min.</i>	$I_p$	Arms	560.0
<i>Rated Torque S2-60min.</i>	$T_r$	Nm	130.0
<i>Rated Current S2-60min.</i>	$I_r$	Arms	280.0
<i>Rotor Inertia</i>	$J_r$	kg x m <sup>2</sup>	0.1
<i>Ambient Temperature</i>	$\theta_a$	°C	-15 ÷ +40
<i>Protection Degree</i>	IP		IP 54 up to IP67
<i>Insulation Class</i>	-	-	F
<i>Thermal protection</i>	-	-	PTY 84-130
<i>Cooling system</i>			Air

**PRELIMINARY**  
**Simulated Data**

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

SMAC 270-150



Efficiency Map % (\*)

Torque [Nm]

TBD

Speed [rpm]

\* MTPA – MTPV Field Weakening strategy control & Optimized Advance Angle  
(Ref. Simulation temperature 20.0°C)