

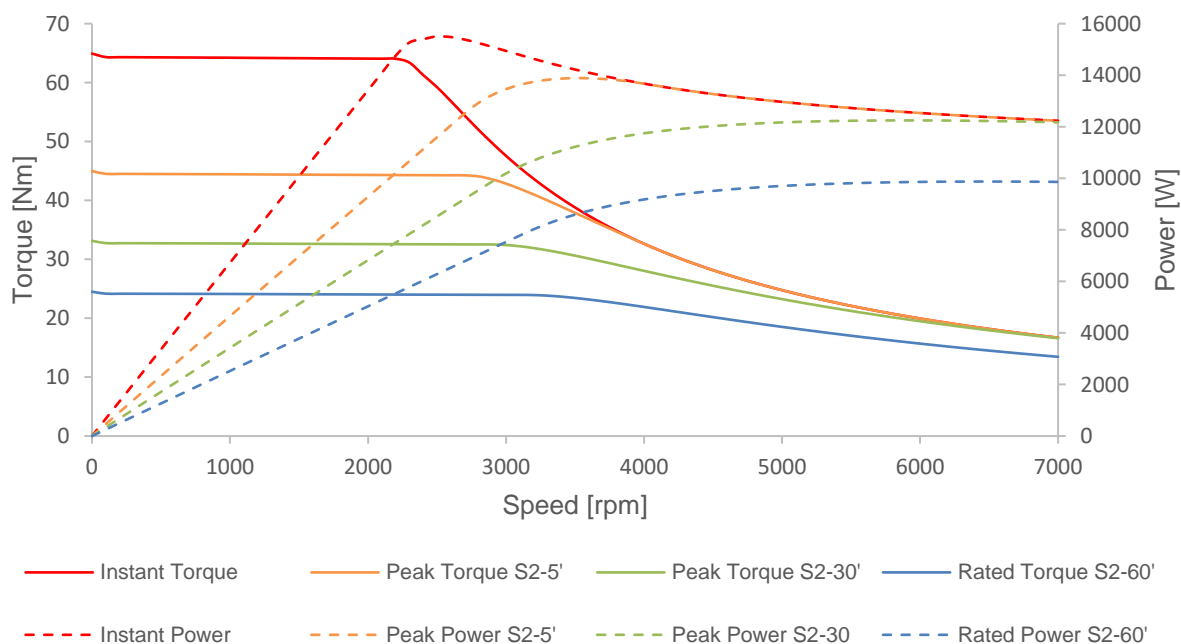
| | |
|--------------------------|--------------|
| Motor Rated Power | 8500W |
|--------------------------|--------------|

| | |
|------------------------------|---------------|
| Inverter Power Supply | 400Vdc |
|------------------------------|---------------|

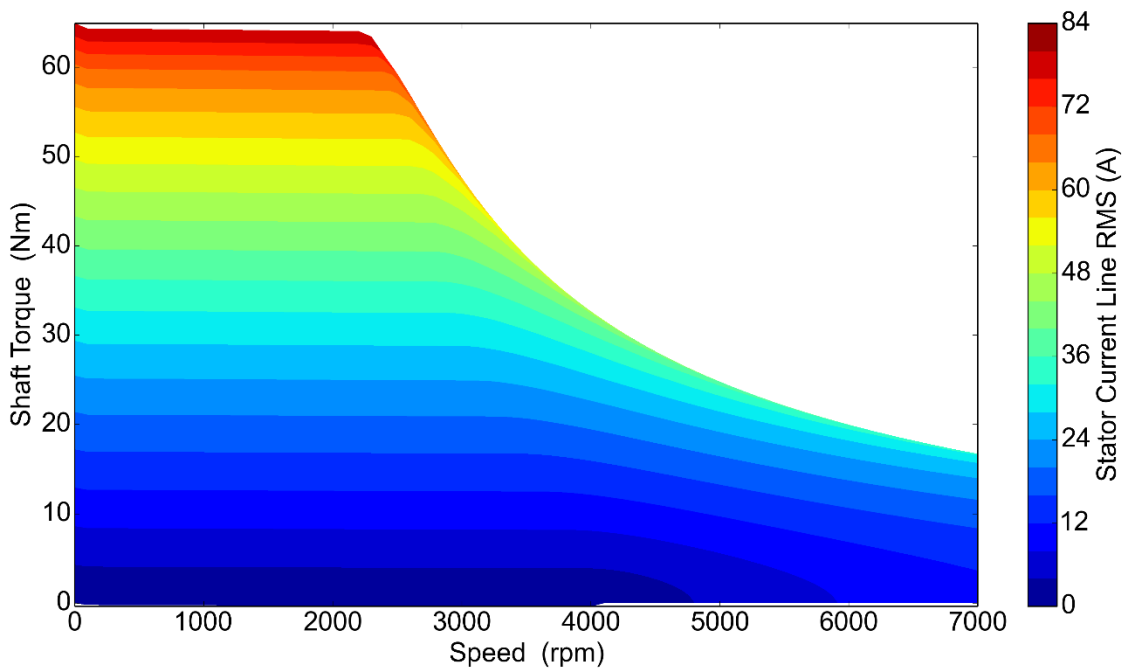
| Description | Symbol | Unit | | |
|-----------------------|------------|---------------------|------------|---------------------------|
| Duty | - | - | S2-60' | |
| Nominal Speed | n_n | rpm | 3500 | |
| Frequency (N° poles) | $f (2p)$ | Hz | 233.3 (8) | |
| Costant Voltage | K_e | Vrms/Krpm | 72.0 | |
| Instant Torque | T_i | Nm | 65.0 | |
| Instant Current | i_i | Arms | 80.0 | |
| Peak Torque S2-5' | T_p | Nm | 44.5 | |
| Peak Current S2-5' | i_p | Arms | 46.0 | |
| Peak Torque S2-30' | T_p | Nm | 32.5 | |
| Peak Current S2-30' | i_p | Arms | 32.0 | |
| Rated Torque S2-60' | T_r | Nm | 24.0 | |
| Rated Current S2-60' | i_r | Arms | 23.0 | |
| Short Circuit Current | I_{sc} | Arms | 32.0 | |
| Rotor Inertia | J_r | kg x m ² | 0.0081 | |
| Ambient Temperature | θ_a | °C | -15 ÷ +40 | |
| Protection Degree | IP | | IP 54 | up to IP67 |
| Insulation Class | - | - | F | |
| Thermal protection | - | - | PTY 84-130 | Alternative to KTY 84-130 |

Speed-Torque & Speed Power Motor Curves (*)

SMAC 200 052



Current Map [Arms]



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

Simulation Only

Efficiency Map % (*)

