

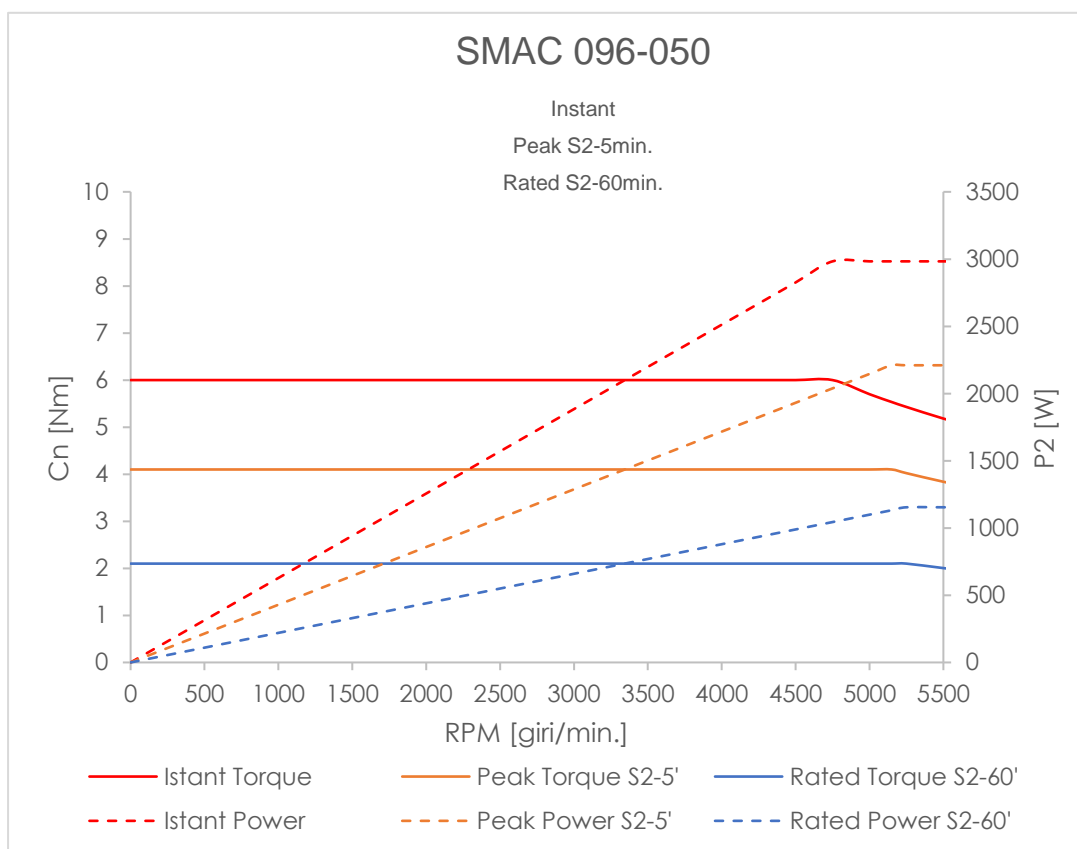
| | | | | |
|--------------------------|--|--|--------------|--|
| Motor Rated Power | | | 1000W | |
|--------------------------|--|--|--------------|--|

| | | | | |
|------------------------------|--|--|--------------|--|
| Inverter Power Supply | | | 48Vdc | |
|------------------------------|--|--|--------------|--|

| Description | Symbol | Unit | | |
|---------------------------|------------|---------------------|------------------------|------------|
| Duty | - | - | S2-60min | |
| Nominal Speed | n_n | rpm | 5000 | |
| Frequency (N° poles) | $f (2p)$ | Hz | 250.0 (6) | |
| No load maximum speed | n_{MAX} | rpm | 5500 | |
| Constant Voltage | K_e | Vrms/Krpm | 6.1 | |
| Constant Torque | K_t | Nm/Arms | 0.1 | |
| Instant Torque | T_{inst} | Nm | 6.0 | |
| Instant Current | I_{inst} | Arms | 60.0 | |
| Peak Torque S2-5min. | T_{peak} | Nm | 4.1 | |
| Peak Current S2-5min. | I_{peak} | Arms | 40.0 | |
| Nominal Torque S2-60min. | T_n | Nm | 2.1 | |
| Nominal Current S2-60min. | I_n | Arms | 20.0 | |
| Rotor Inertia | J_r | kg x m ² | 1.5 x 10 ⁻⁴ | |
| Ambient Temperature | θ_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

