

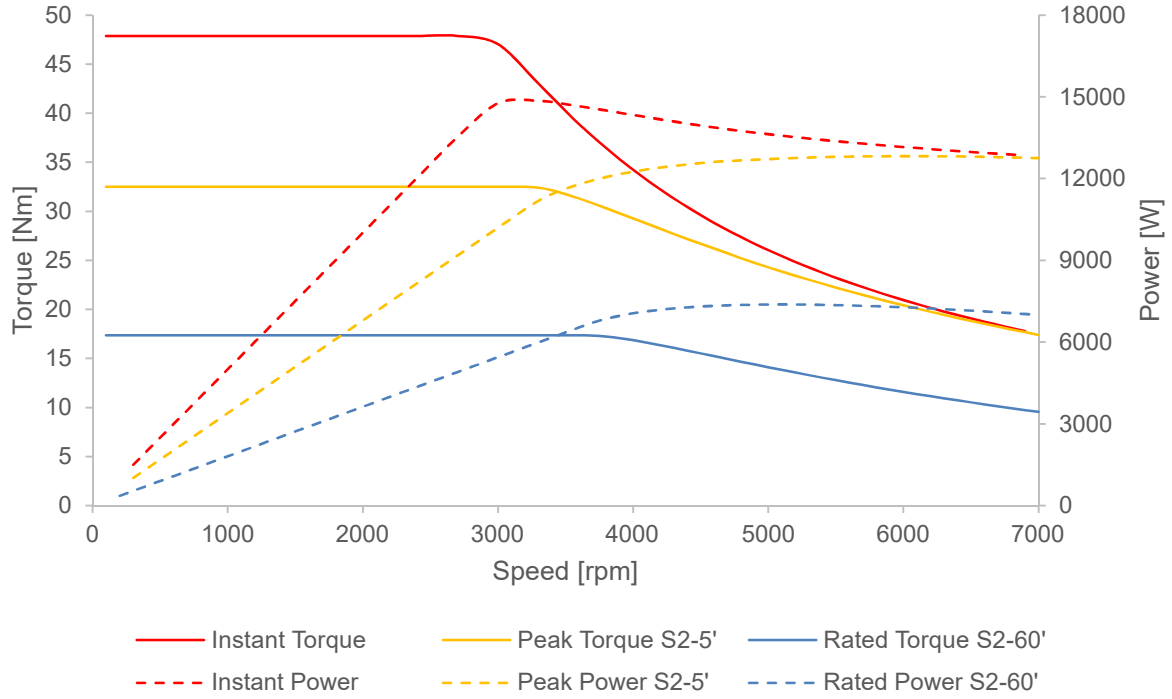
## PMAC 200-035 28-72V-2P

|                              |  |  |              |  |
|------------------------------|--|--|--------------|--|
| <b>Motor Rated Power</b>     |  |  | <b>6400W</b> |  |
| <b>Inverter Power Supply</b> |  |  | <b>72Vdc</b> |  |

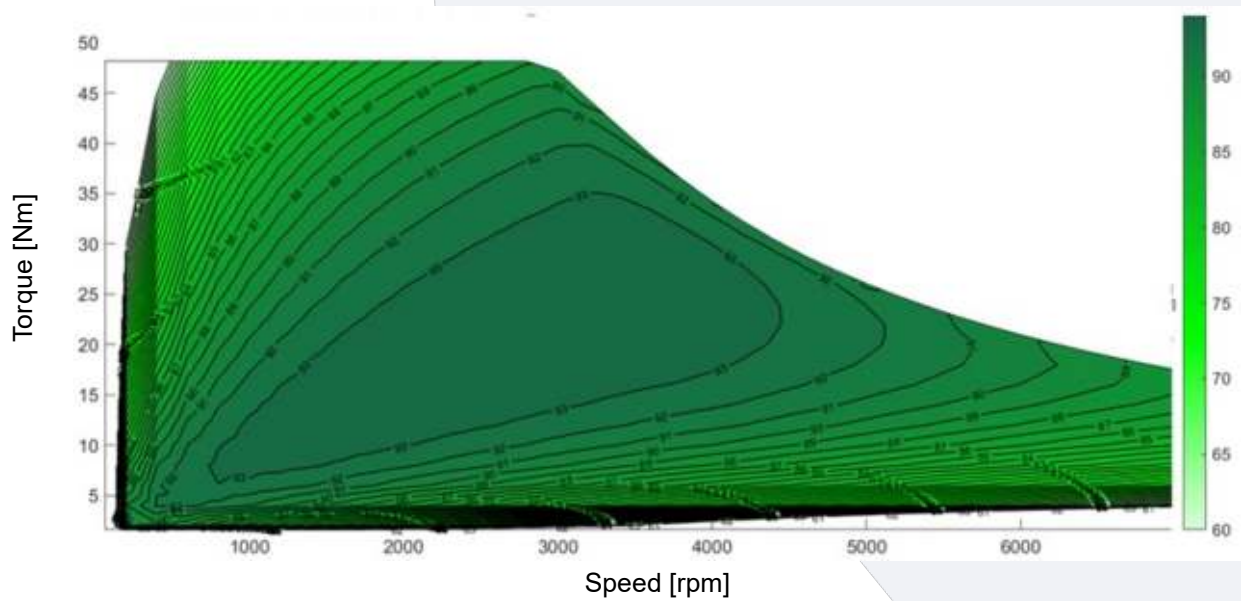
| <b>Description</b>             | <b>Symbol</b> | <b>Unit</b>               |            |            |
|--------------------------------|---------------|---------------------------|------------|------------|
| <i>Duty</i>                    | -             | -                         | S2-60min   |            |
| <i>Nominal Speed</i>           | $n_n$         | <i>rpm</i>                | 3500       |            |
| <i>Frequency (N° poles)</i>    | $f (2p)$      | <i>Hz</i>                 | 233.3 (8)  |            |
| <i>Costant Voltage</i>         | $K_e$         | <i>Vrms/Krpm</i>          | 13.0       |            |
| <i>Costant Torque</i>          | $K_t$         | <i>Nm/Arms</i>            | 0.21       |            |
| <i>Instant Torque</i>          | $T_i$         | <i>Nm</i>                 | 48.0       |            |
| <i>Instant Current</i>         | $i_i$         | <i>Arms</i>               | 300.0      |            |
| <i>Peak Torque</i> S2-5min.    | $T_p$         | <i>Nm</i>                 | 32.0       |            |
| <i>Peak Current</i> S2-5min.   | $i_p$         | <i>Arms</i>               | 170.0      |            |
| <i>Rated Torque</i> S2-60min.  | $T_r$         | <i>Nm</i>                 | 17.5       |            |
| <i>Rated Current</i> S2-60min. | $I_r$         | <i>Arms</i>               | 85.0       |            |
| <i>Rotor Inertia</i>           | $J_r$         | <i>kg x m<sup>2</sup></i> | 0.018      |            |
| <i>Ambient Temperature</i>     | $\theta_a$    | <i>°C</i>                 | -15 ÷ +40  |            |
| <i>Protection Degree</i>       | <i>IP</i>     |                           | IP 54      | up to IP67 |
| <i>Insulation Class</i>        | -             | -                         | F          |            |
| <i>Thermal protection</i>      | -             | -                         | KTY 84-130 |            |
| <i>Cooling system</i>          |               |                           | Air        |            |

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

### PMAC 200-035



## Efficiency Map % (\*)



\* MTPA Field Weakening strategy control & Optimized Advance Angle