

DC-BRUSHLESS MOTOR
HW840CP
 ELECTRONIC DRIVE
DIGIVEX 50/80 - 400

PARVEX

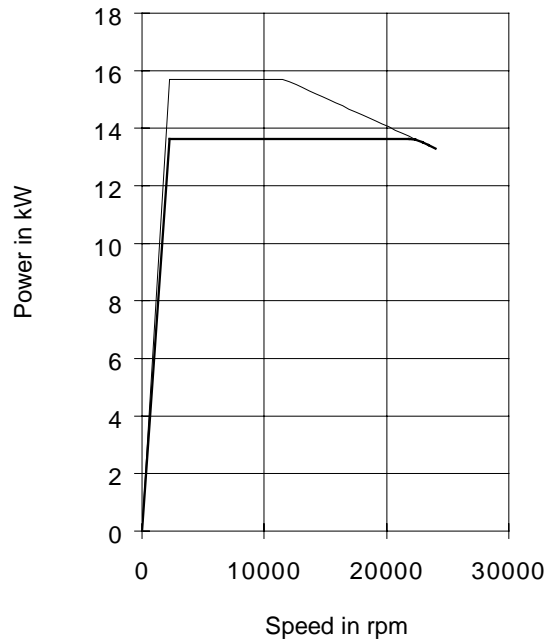
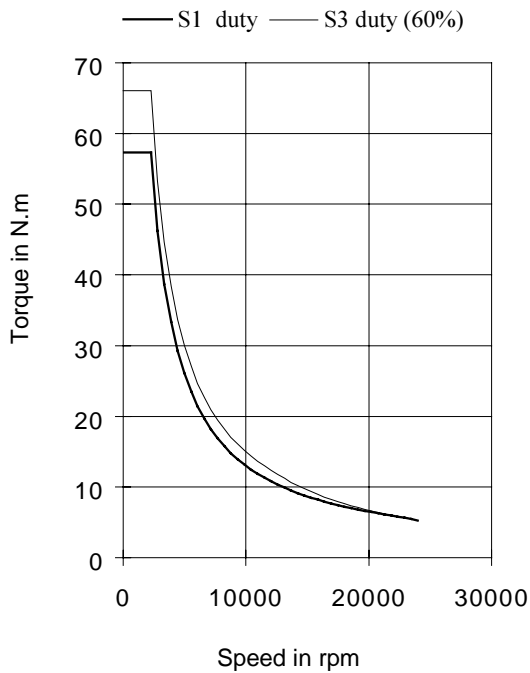
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

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|---|---------------|-------------------------|-------------------------|
| <i>S1 power</i> | 13.6 | <i>kW</i> | <i>Ps1</i> |
| <i>S3 power</i> | 16 | <i>kW</i> | <i>Ps3</i> |
| <i>Low speed torque</i> | 57.3 | <i>N.m</i> | <i>M_o</i> |
| <i>Low speed S3 torque</i> | 66 | <i>N.m</i> | <i>M_o S3</i> |
| <i>Base speed</i> | 2270 | <i>rpm</i> | <i>Nb</i> |
| <i>Max speed</i> | 24000 | <i>rpm</i> | <i>N</i> |
| <i>DC voltage supply when motor is loaded</i> | 530 | <i>V</i> | <i>Û</i> |
| <i>Permanent current at low speed</i> | 42.9 | <i>Â</i> | <i>Î_o</i> |
| <i>S3 current at low speed</i> | 49.8 | <i>Â</i> | <i>Î_o S3</i> |
| <i>Winding resistance(25°C) *</i> | 0.866 | <i>Ω</i> | <i>R_b</i> |
| <i>Rotor inertia</i> | 0.0137 | <i>kg.m²</i> | <i>J</i> |
| <i>Thermal time constant</i> | 2.4 | <i>min</i> | <i>T_{th}</i> |
| <i>Motor mass</i> | 16 | <i>kg</i> | <i>M</i> |
| <i>Cooling water flow (Tmax = 25 °C)</i> | 10 | <i>l/min</i> | |

All data are given in typical values under standard conditions

* Phase to phase

Voltagés and currents given in peak values



FICHELV-008

Creation: 02 mai 1997

Edition: 17/juin/1999

HW840CP

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