

DC-BRUSHLESS MOTOR
HS920ET
 ELECTRONIC DRIVE
DIGIVEX 16/32 - 400

PARVEX

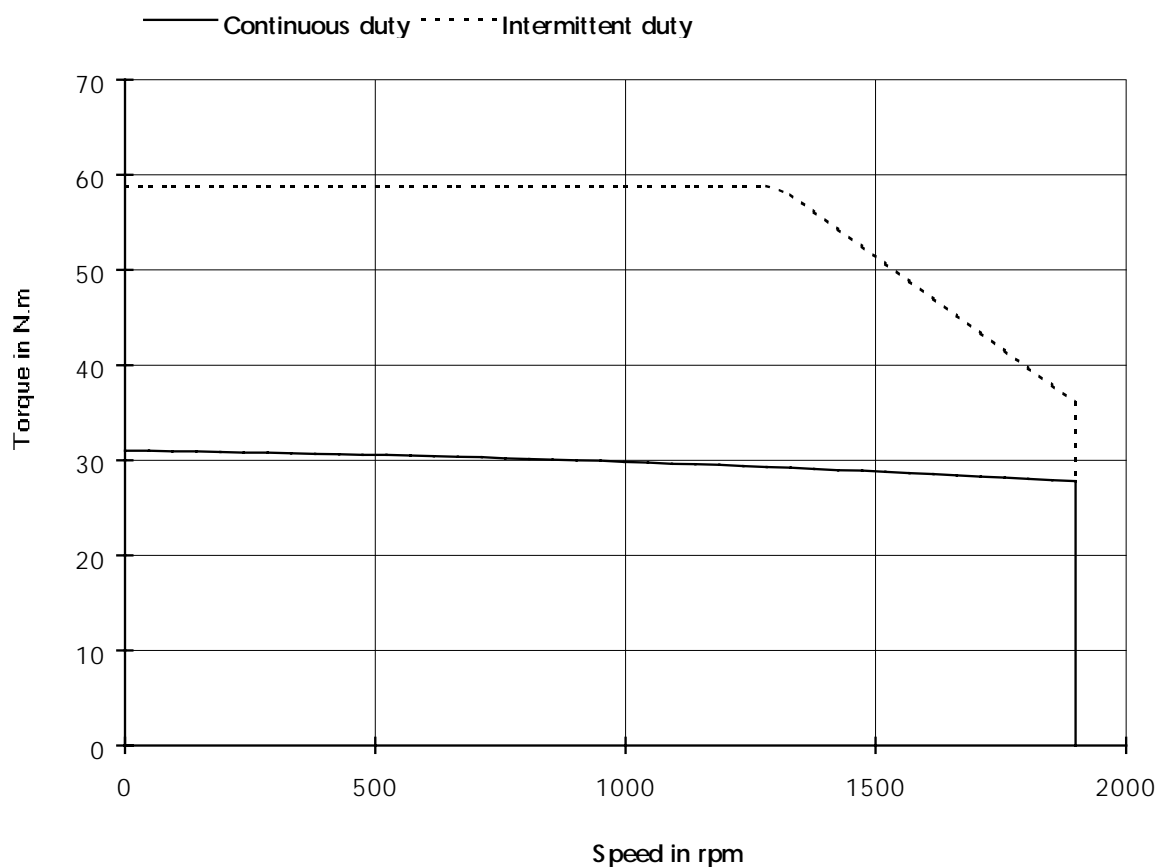
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

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|--|------|-------------------------------------|------------------|
| Low speed torque | 31 | N.m | M_o |
| Max speed | 1900 | rpm | N |
| DC voltage supply when motor is loaded | 540 | V | \hat{U} |
| Permanent current at low speed | 15 | \hat{A} | \hat{I}_o |
| Peak current | 32 | \hat{A} | \hat{I}_{maxi} |
| Back emf constant at 1000 rpm (25°C)* | 273 | V | \hat{K}_e |
| Torque sensitivity | 2.06 | N.m/ \hat{A} | \hat{K}_t |
| Winding resistance(25°C) * | 1.44 | Ω | R_b |
| Winding inductance * | 24.3 | mH | L |
| Rotor inertia | 1200 | kg.m ² .10 ⁻⁵ | J |
| Thermal time constant | 55 | min | T_{th} |
| Motor mass | 25.2 | kg | M |

All data are given in typical values under standard conditions

* Phase to phase

Voltagés and currents given in peak values



FICHE-005

Creation: 12 janv 1995

Edition: 17/nov/1998

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