

DC-BRUSHLESS MOTOR
HD840EL
 ELECTRONIC DRIVE
DIGIVEX 32/64 - 400

PARVEX

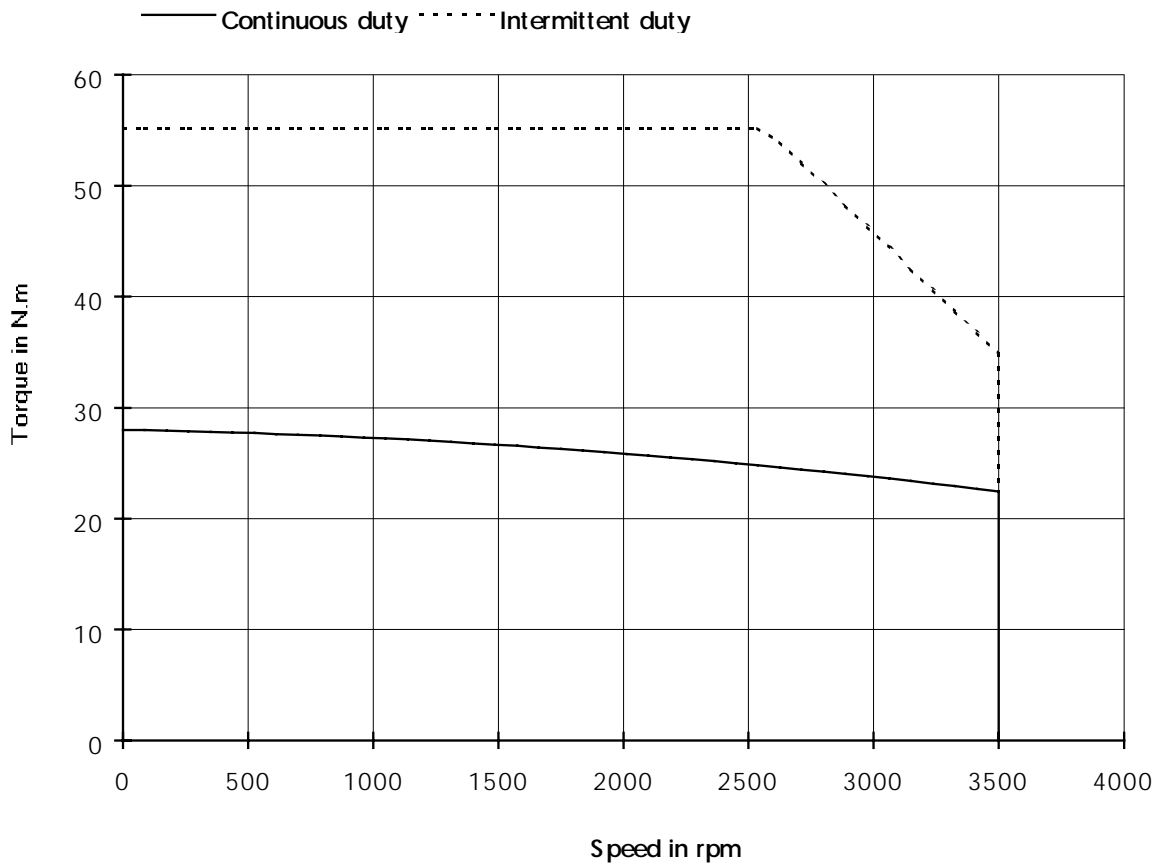
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

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|--|-------|-------------------------------------|------------------|
| Low speed torque | 28 | N.m | M_o |
| Max speed | 3500 | rpm | N |
| DC voltage supply when motor is loaded | 540 | V | \hat{U} |
| Permanent current at low speed | 24.7 | \hat{A} | \hat{I}_o |
| Peak current | 54.4 | \hat{A} | \hat{I}_{maxi} |
| Back emf constant at 1000 rpm (25°C)* | 149 | V | \hat{K}_e |
| Torque sensitivity | 1.13 | N.m/ \hat{A} | \hat{K}_t |
| Winding resistance(25°C) * | 0.552 | Ω | Rb |
| Winding inductance * | 8.65 | mH | L |
| Rotor inertia | 630 | kg.m ² .10 ⁻⁵ | J |
| Thermal time constant | 60 | min | Tth |
| Motor mass | 23.8 | 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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