

DC-BRUSHLESS MOTOR
HD640EY
 ELECTRONIC DRIVE
DIGIVEX 4/8 - 460

PARVEX

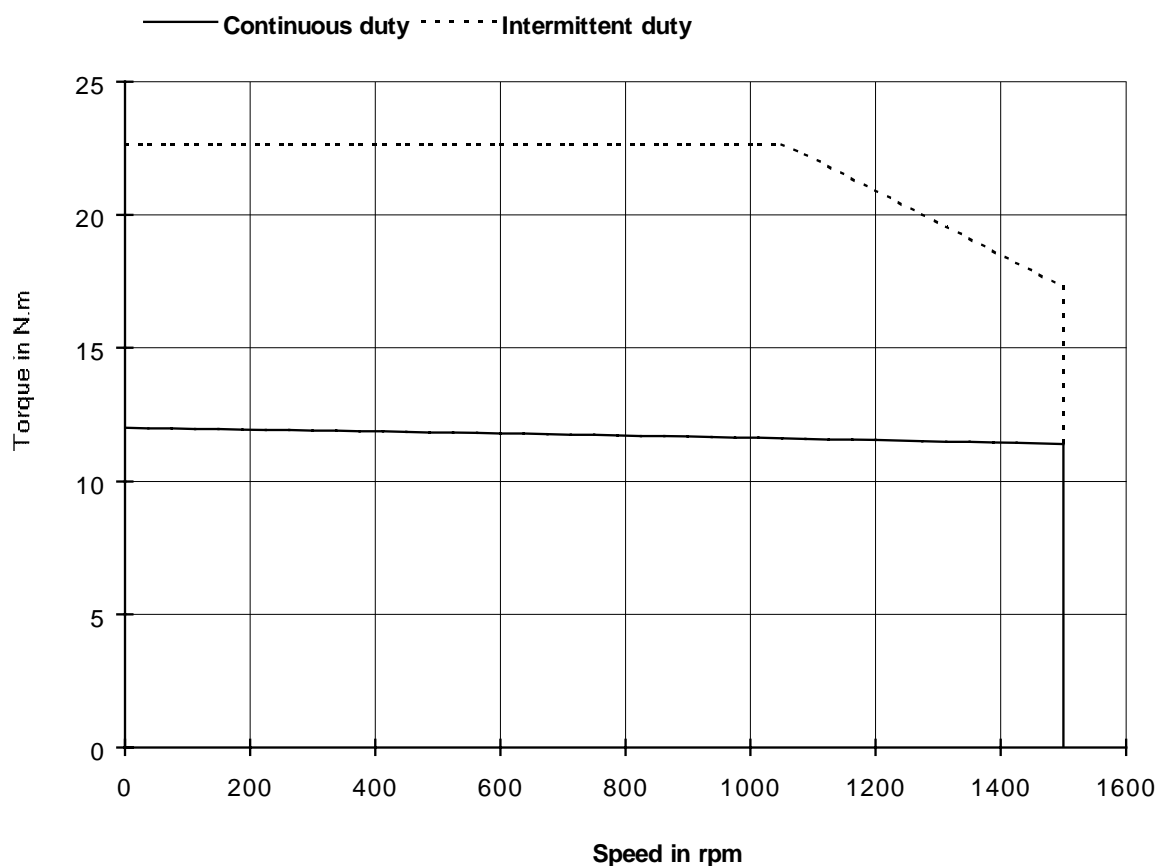
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

| | | | |
|--|------|-------------------------------------|------------------|
| Low speed torque | 12 | N.m | M_o |
| Max speed | 1500 | rpm | N |
| DC voltage supply when motor is loaded | 620 | V | \hat{U} |
| Permanent current at low speed | 3.93 | \hat{A} | \hat{I}_o |
| Peak current | 8 | \hat{A} | \hat{I}_{maxi} |
| Back emf constant at 1000 rpm (25°C)* | 397 | V | \hat{K}_e |
| Torque sensitivity | 3.06 | N.m/ \hat{A} | \hat{K}_t |
| Winding resistance(25°C) * | 14.9 | Ω | Rb |
| Winding inductance * | 129 | mH | L |
| Rotor inertia | 210 | kg.m ² .10 ⁻⁵ | J |
| Thermal time constant | 48 | min | Tth |
| Motor mass | 12.5 | kg | M |

All data are given in typical values under standard conditions

* Phase to phase

Voltagess and currents given in peak values



FICHE-005

Creation: 26 févr 1998

Edition: 17/nov/1998

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