

DC-BRUSHLESS MOTOR
HD950EH
 ELECTRONIC DRIVE
DIGIVEX 50/80 - 460

PARVEX

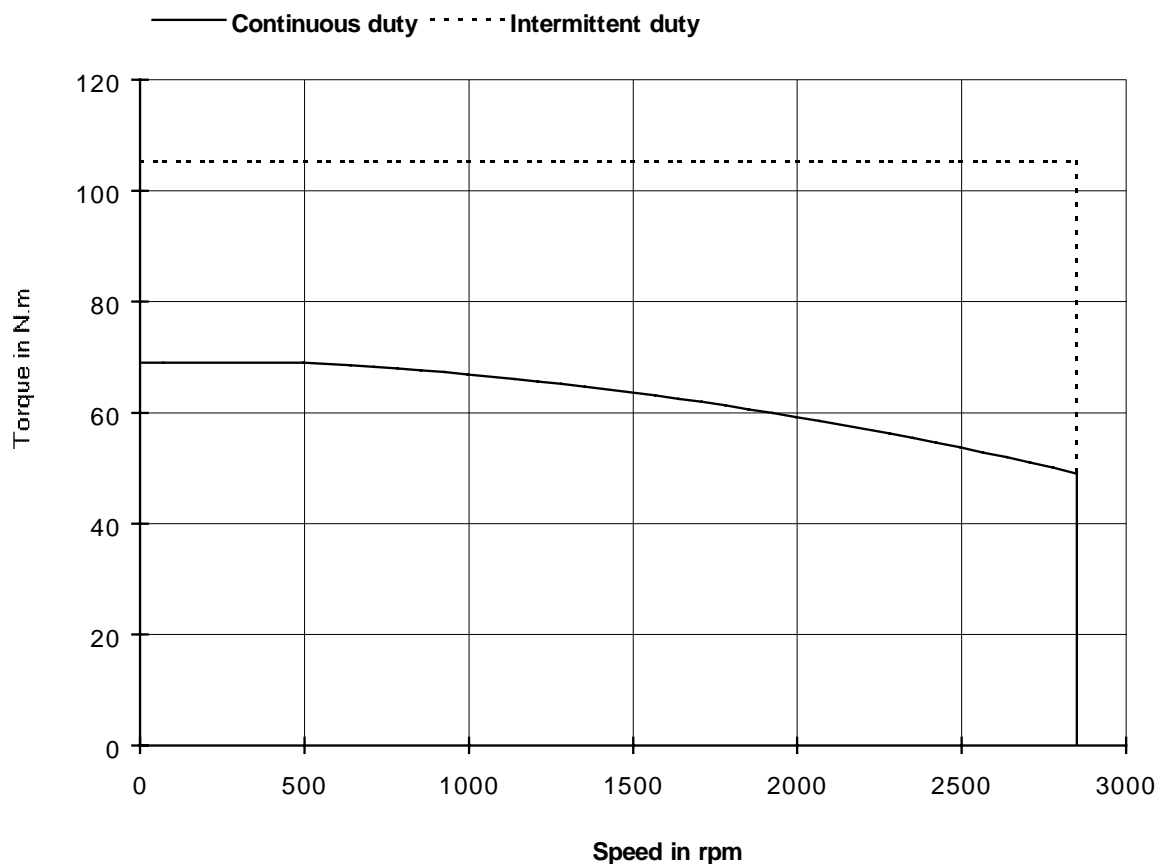
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

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|--|--------------|---|-----------------------|
| Low speed torque | 69 | <i>N.m</i> | M_o |
| Max speed | 2850 | <i>rpm</i> | <i>N</i> |
| DC voltage supply when motor is loaded | 620 | <i>V</i> | \hat{U} |
| Permanent current at low speed | 49.5 | \hat{A} | \hat{I}_o |
| Peak current | 80 | \hat{A} | \hat{I}_{maxi} |
| Back emf constant at 1000 rpm (25°C)* | 181 | <i>V</i> | \hat{K}_e |
| Torque sensitivity | 1.39 | <i>N.m/Ā</i> | \hat{K}_t |
| Winding resistance(25°C) * | 0.181 | Ω | <i>R_b</i> |
| Winding inductance * | 4.12 | <i>mH</i> | <i>L</i> |
| Rotor inertia | 2900 | <i>kg.m².10⁻⁵</i> | <i>J</i> |
| Thermal time constant | 85 | <i>min</i> | <i>T_{th}</i> |
| Motor mass | 52 | <i>kg</i> | <i>M</i> |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents given in peak values



FICHE-005

Creation: 26 févr 1998

Edition: 17/nov/1998

HD950EH