

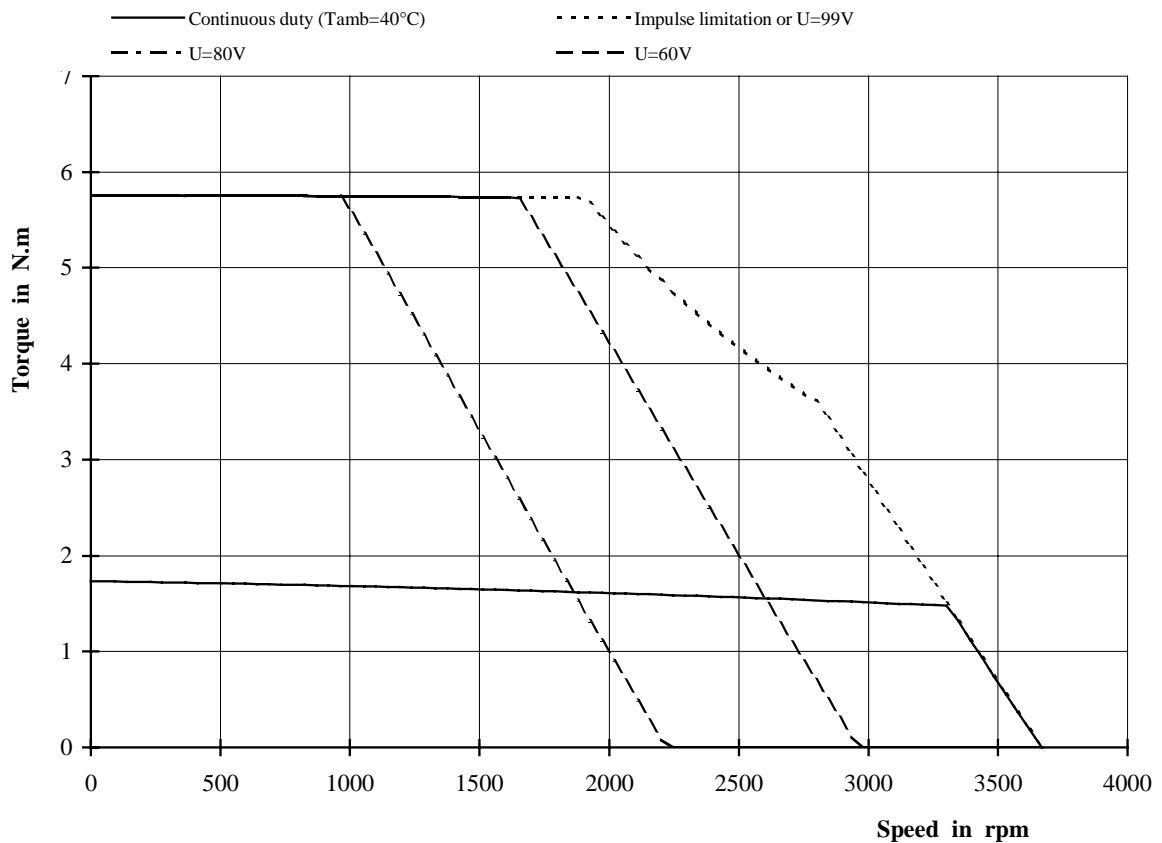
DC-SERVOMOTOR
RS440G

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

| | | | |
|---------------------------------------|--------|-------------------|-----------|
| Low speed torque | 1.74 | N.m | M_0 |
| Permanent current at low speed | 7 | A | I_0 |
| Supply voltage with loaded motor | 90 | V | U |
| Definition speed | 3000 | rpm | N |
| Maximum supply voltage | 99 | V | U_{max} |
| Maximum speed | 3700 | rpm | N_{max} |
| Peak current | 24 | A | I_{max} |
| Back emf constant at 1000 rpm (25°C)* | 27 | V | K_e |
| Torque constant | 0.256 | N.m/A | K_t |
| Static friction torque | 5.9 | N.cm | T_f |
| Viscous damping for 1000 rpm | 1.13 | N.cm | K_d |
| Winding resistance(25°C) | 0.9 | Ω | R_b |
| Winding inductance | 2.2 | mH | L |
| Rotor inertia | 0.0004 | kg.m ² | J |
| Thermal time constant | 10.5 | min | T_{th} |
| Motor mass | 3.4 | kg | M |

All data are given in typical values under standard conditions



FICHER-001