

BRUSHLESS MOTORS
NX620EAV
ELECTRONIC DRIVE (1)
DIGIVEX 4/8

(230 V)

(400 V)



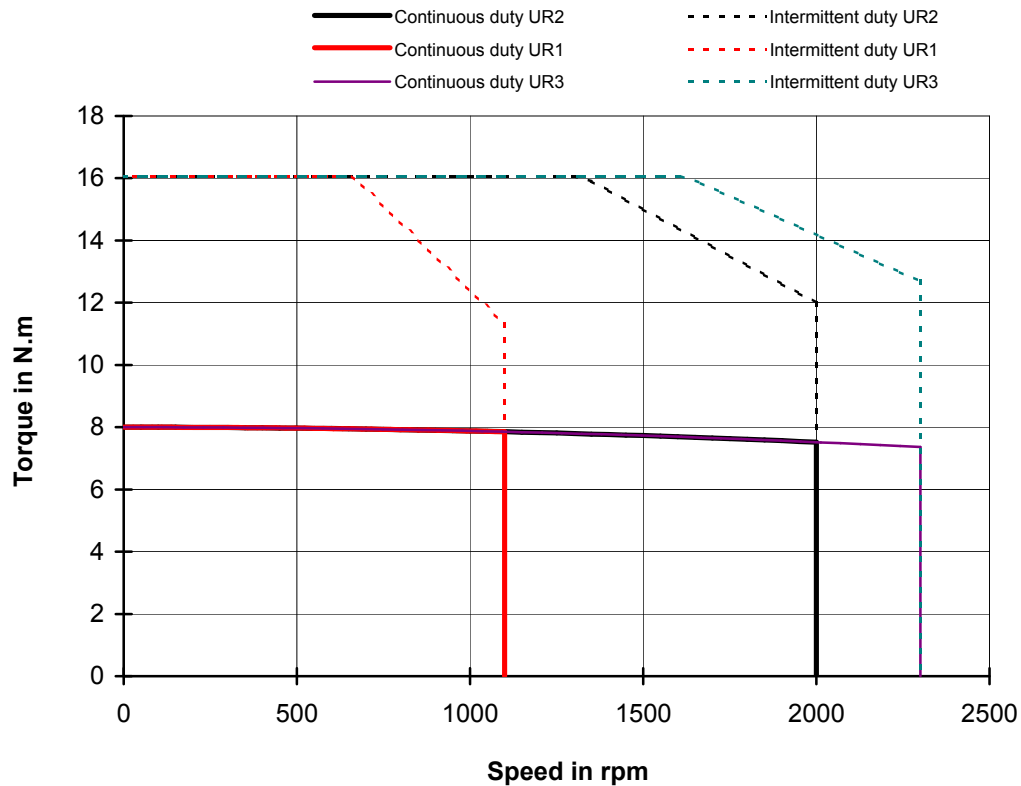
| | | | | | |
|---------------------------------------|-------------|------------------------|------|------|------|
| Torque at low speed | M_o | Nm | 8 | | |
| Permanent current at low speed | I_o | A_{rms} | 2.83 | | |
| Peak torque | M_p | Nm | 26.7 | | |
| Current for the peak torque | I_p | A_{rms} | 11.3 | | |
| Back emf constant at 1000 rpm (25°C)* | K_e | V_{rms} | 180 | | |
| Torque sensitivity | K_t | Nm/A_{rms} | 2.83 | | |
| Winding resistance (25°C)* | R_b | Ω | 7.9 | | |
| Winding inductance* | L | mH | 67.6 | | |
| Rotor inertia | J | $kgm^2 \times 10^{-5}$ | 98 | | |
| Thermal time constant | T_{th} | min | 27 | | |
| Motor mass | M | kg | 7 | | |
| Voltage of the mains | UR1 UR2 UR3 | V_{rms} | 230 | 400 | 480 |
| Rated speed | Nn1 Nn2 Nn3 | rpm | 1100 | 2000 | 2300 |
| Rated torque | Mn1 Mn2 Mn3 | Nm | 7.85 | 7.52 | 7.36 |
| Rated current | In1 In2 In3 | A_{rms} | 2.79 | 2.69 | 2.64 |
| Rated power | Pn1 Pn2 Pn3 | W | 900 | 1570 | 1770 |

All data are given in typical values under standard conditions

* Phase to phase

(1) Please check the availability of this drive with 480 V

Voltages and currents are given in rms values



Characteristics are given for an optimal drive of the motor

FICHE-009

Création: 12 mai 2000

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10/févr/2005

NX620EAV

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