

BRUSHLESS MOTOR
EX840EAJ
 ELECTRONIC DRIVE
DIGIVEX 30/60 - 230

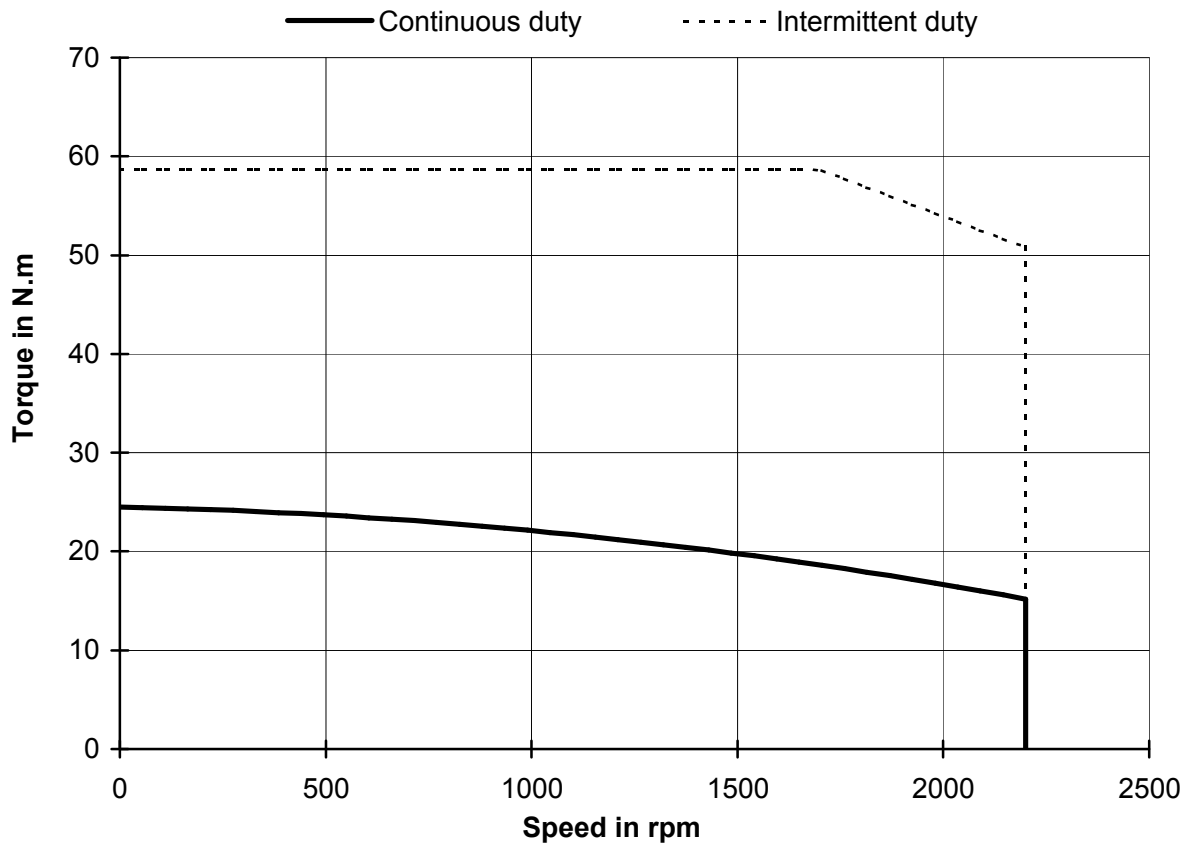


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|--|--------------|--------------------------------------|------------------|
| Low speed torque | 24.5 | N.m | M_o |
| Max speed | 2200 | rpm | N |
| DC voltage supply when motor is loaded | 310 | V | \hat{U} |
| Permanent current at low speed | 23.5 | \hat{A} | \hat{I}_o |
| Peak current | 58.9 | \hat{A} | \hat{I}_{maxi} |
| Back emf constant at 1000 rpm (25°C)* | 130 | V | \hat{K}_e |
| Torque sensitivity | 1.04 | N.m/ \hat{A} | \hat{K}_t |
| Winding resistance(25°C) * | 0.371 | Ω | Rb |
| Winding inductance * | 4.28 | mH | L |
| Rotor inertia | 620 | kg.m ² x 10 ⁻⁵ | J |
| Thermal time constant | 52 | min | Tth |
| Motor mass | 32 | kg | M |

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents given in peak values



Characteristics are given for an optimal drive of the motor

FICHE-009