

BRUSHLESS MOTORS
NX860VAJ
ELECTRONIC DRIVE (1)
DIGIVEX 60/100 et DIGIVEX 50/80
(230 V) (400 V)



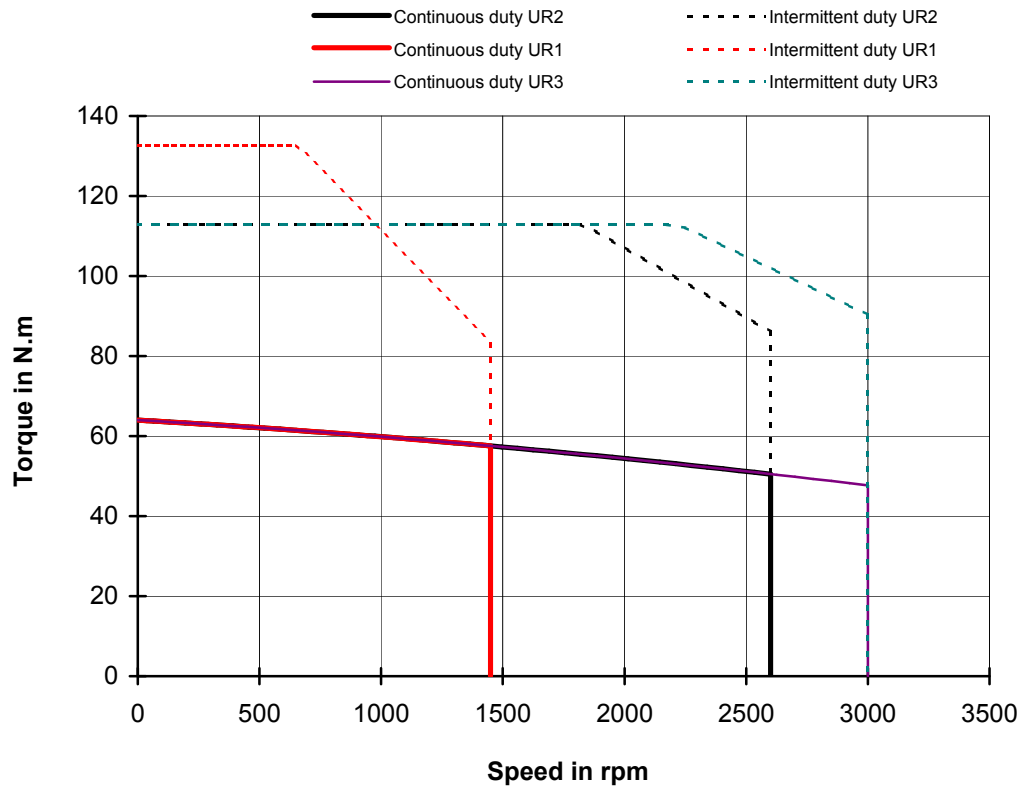
Torque at low speed	M_o	Nm	64
Permanent current at low speed	I_o	A_{rms}	29.4
Peak torque	M_p	Nm	137
Current for the peak torque	I_p	A_{rms}	74
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	138
Torque sensitivity	K_t	Nm/A_{rms}	2.18
Winding resistance (25°C)*	R_b	Ω	0.499
Winding inductance*	L	mH	6.43
Rotor inertia	J	$kgm^2 \times 10^{-5}$	920
Thermal time constant	T_{th}	min	22
Motor mass	M	kg	31
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230 400 480
Rated speed	Nn1 Nn2 Nn3	rpm	1450 2600 3000
Rated torque	Mn1 Mn2 Mn3	Nm	57.55 50.52 47.67
Rated current	In1 In2 In3	A_{rms}	26.42 23.22 21.95
Rated power	Pn1 Pn2 Pn3	W	8740 13750 14980

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

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