

BRUSHLESS MOTORS
NX860EAD
ELECTRONIC DRIVE (1)
DIGIVEX 60/100 et DIGIVEX 100/120
(230 V) (400 V)



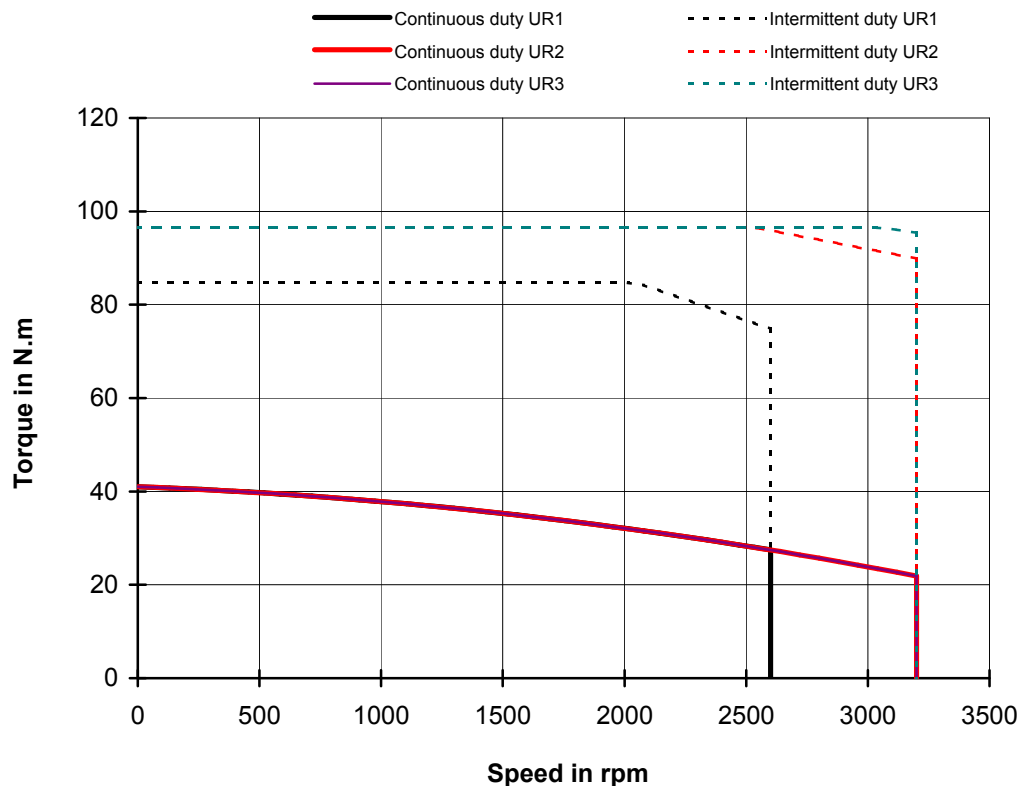
Torque at low speed	M_o	Nm	41		
Permanent current at low speed	I_o	A_{rms}	33		
Peak torque	M_p	Nm	137		
Current for the peak torque	I_p	A_{rms}	132		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	77.8		
Torque sensitivity	K_t	Nm/A_{rms}	1.24		
Winding resistance (25°C)*	R_b	Ω	0.156		
Winding inductance*	L	mH	2.03		
Rotor inertia	J	$kgm^2 \times 10^{-5}$	920		
Thermal time constant	T_{th}	min	60		
Motor mass	M	kg	27		
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230	400	480
Rated speed	Nn1 Nn2 Nn3	rpm	2600	3200	3200
Rated torque	Mn1 Mn2 Mn3	Nm	27.47	21.89	21.89
Rated current	In1 In2 In3	A_{rms}	22.72	18.44	18.44
Rated power	Pn1 Pn2 Pn3	W	7480	7340	7340

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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