

BRUSHLESS MOTORS
NX860VAG
ELECTRONIC DRIVE (1)
DIGIVEX 60/100 et DIGIVEX 100/120
(230 V) (400 V)



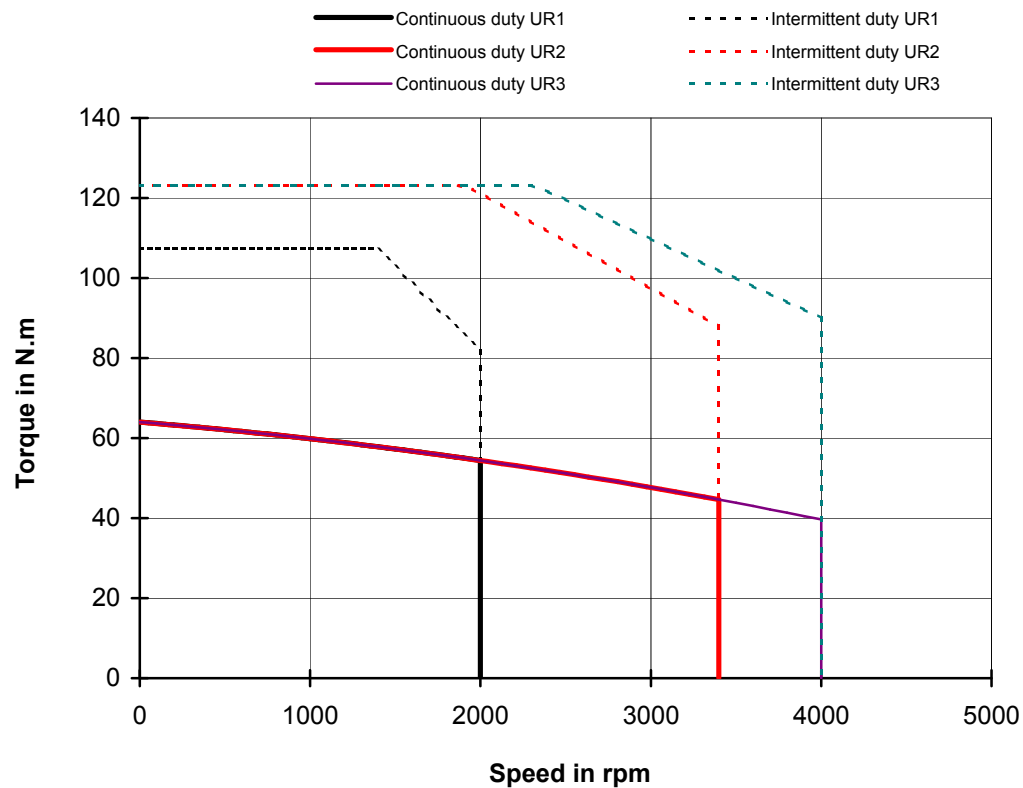
Torque at low speed	M_o	Nm	64		
Permanent current at low speed	I_o	A_{rms}	39.2		
Peak torque	M_p	Nm	137		
Current for the peak torque	I_p	A_{rms}	98.7		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	104		
Torque sensitivity	K_t	Nm/A_{rms}	1.63		
Winding resistance (25°C)*	R_b	Ω	0.291		
Winding inductance*	L	mH	3.61		
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	2000	3400	4000
Rated torque	Mn1 Mn2 Mn3	Nm	54.40	44.62	39.65
Rated current	In1 In2 In3	A_{rms}	33.31	27.45	24.52
Rated power	Pn1 Pn2 Pn3	W	11390	15890	16610

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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