

BRUSHLESS MOTORS
NX630EAN
ELECTRONIC DRIVE (1)
DIGIVEX 15/30 et DIGIVEX 16/32
(230 V) (400 V)



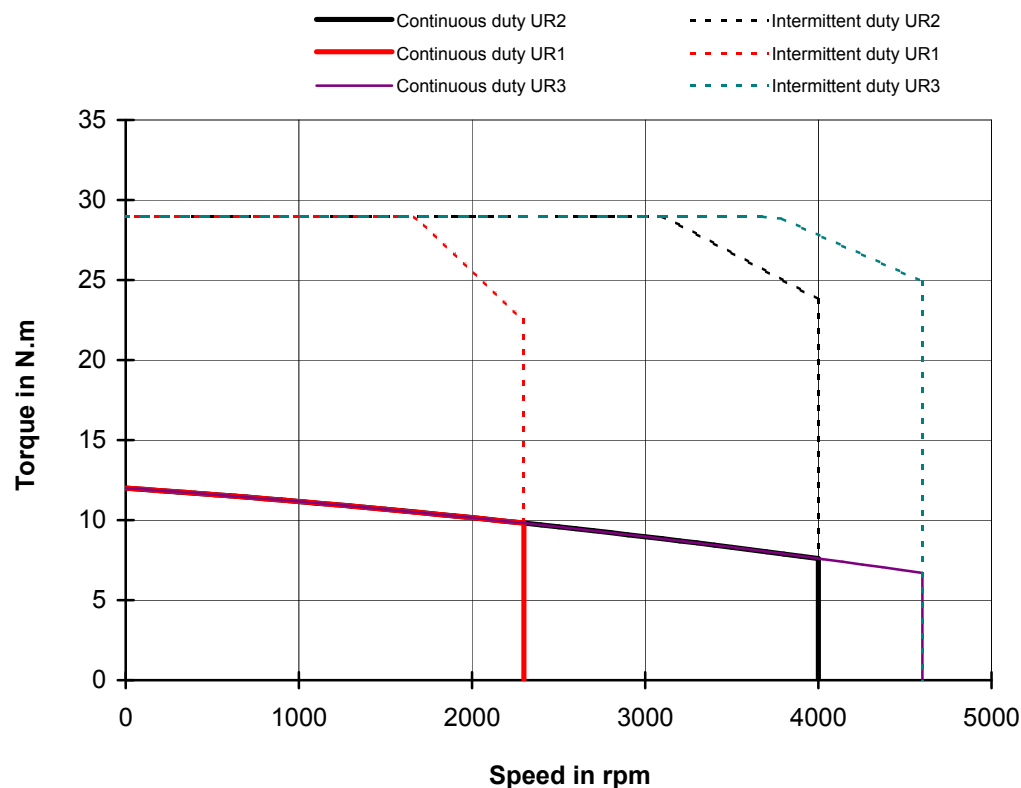
Torque at low speed	M_o	Nm	12
Permanent current at low speed	I_o	A_{rms}	7.93
Peak torque	M_p	Nm	40
Current for the peak torque	I_p	A_{rms}	31.6
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	91.6
Torque sensitivity	K_t	Nm/A_{rms}	1.51
Winding resistance (25°C)*	R_b	Ω	1.12
Winding inductance*	L	mH	10.9
Rotor inertia	J	$kgm^2 \times 10^{-5}$	147
Thermal time constant	T_{th}	min	33
Motor mass	M	kg	8.9
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230 400 480
Rated speed	Nn1 Nn2 Nn3	rpm	2300 4000 4600
Rated torque	Mn1 Mn2 Mn3	Nm	9.81 7.60 6.70
Rated current	In1 In2 In3	A_{rms}	6.63 5.30 4.74
Rated power	Pn1 Pn2 Pn3	W	2360 3180 3230

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