BRUSHLESS MOTORS
NX630EAG
ELECTRONIC DRIVE (1)
DIGIVEX 30/60 et DIGIVEX 32/64
(230 V) (400 V)

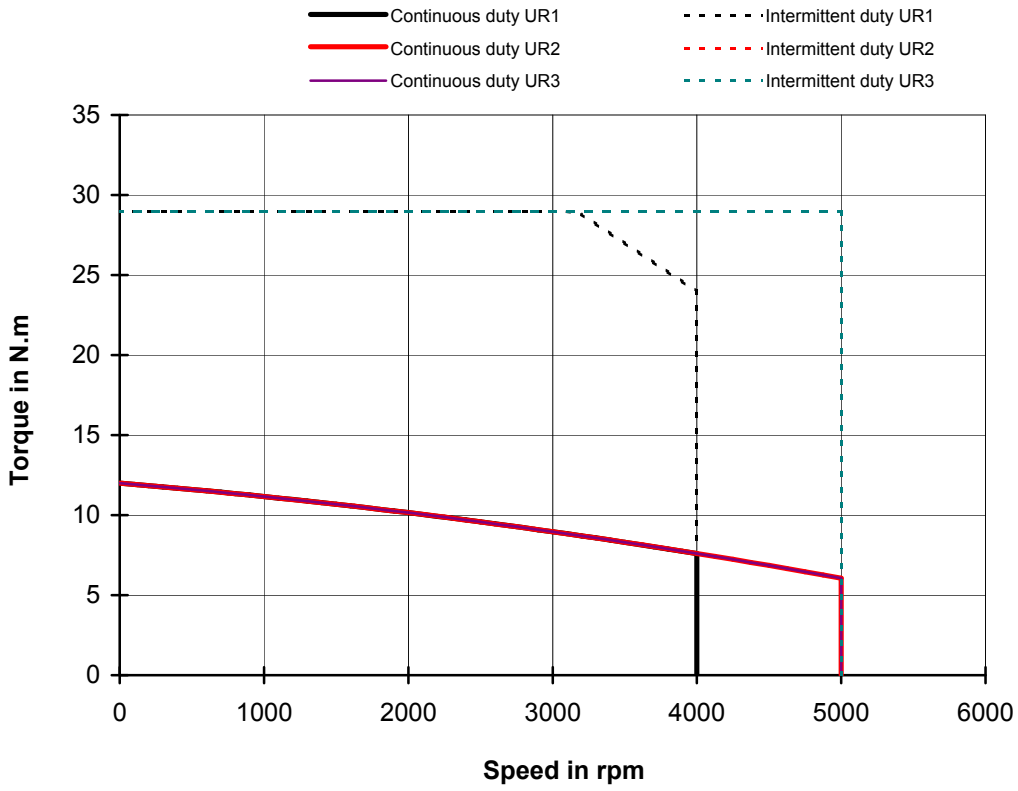
PARVEX

Torque at low speed	M_o	Nm		12	
Permanent current at low speed	I_o	A_{rms}		13.9	
Peak torque	M_p	Nm		40	
Current for the peak torque	I_p	A_{rms}		55.6	
Back emf constant at 1000 rpm (25°C)*	Ke	V_{rms}		52.1	
Torque sensitivity	Kt	Nm/A_{rms}		0.861	
Winding resistance (25°C)*	Rb	Ω		0.341	
Winding inductance*	L	mH		3.53	
Rotor inertia	J	kgm^2x10^{-5}		147	
Thermal time constant	Tth	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	4000	5000	5000
Rated torque	Mn1 Mn2 Mn3	Nm	7.60	6.07	6.07
Rated current	In1 In2 In3	A_{rms}	9.31	7.64	7.64
Rated power	Pn1 Pn2 Pn3	W	3180	3180	3180

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