

BRUSHLESS MOTORS
NX840EAQ
ELECTRONIC DRIVE (1)
DIGIVEX 15/30 et DIGIVEX 16/32
(230 V) (400 V)



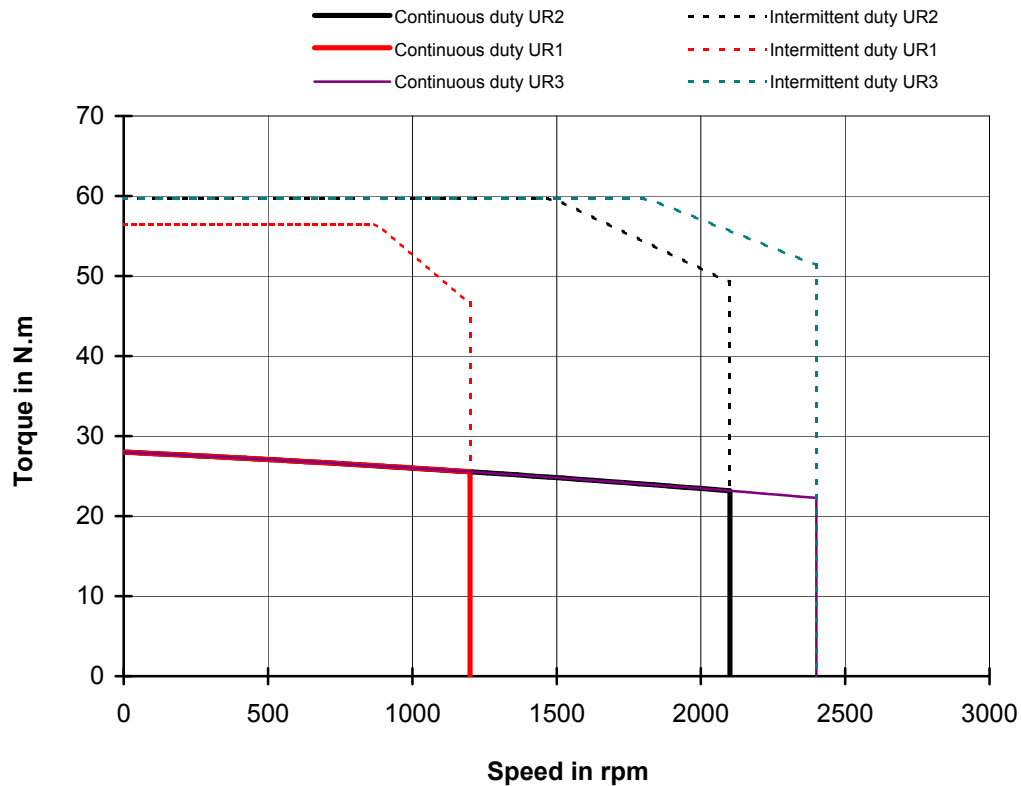
Torque at low speed	M_o	Nm	28		
Permanent current at low speed	I_o	A_{rms}	10.1		
Peak torque	M_p	Nm	92		
Current for the peak torque	I_p	A_{rms}	39.9		
Back emf constant at 1000 rpm (25°C)*	K_e	V_{rms}	173		
Torque sensitivity	K_t	Nm/A_{rms}	2.78		
Winding resistance (25°C)*	R_b	Ω	1.36		
Winding inductance*	L	mH	15.1		
Rotor inertia	J	$kgm^2 \times 10^{-5}$	620		
Thermal time constant	T_{th}	min	52		
Motor mass	M	kg	20		
Voltage of the mains	UR1 UR2 UR3	V_{rms}	230	400	480
Rated speed	Nn1 Nn2 Nn3	rpm	1200	2100	2400
Rated torque	Mn1 Mn2 Mn3	Nm	25.54	23.17	22.27
Rated current	In1 In2 In3	A_{rms}	9.27	8.47	8.17
Rated power	Pn1 Pn2 Pn3	W	3210	5090	5600

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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