

DC-BRUSHLESS MOTOR
NX430E AV
 ELECTRONIC DRIVE
DIGIVE X 2/4 - 460

PARVEX

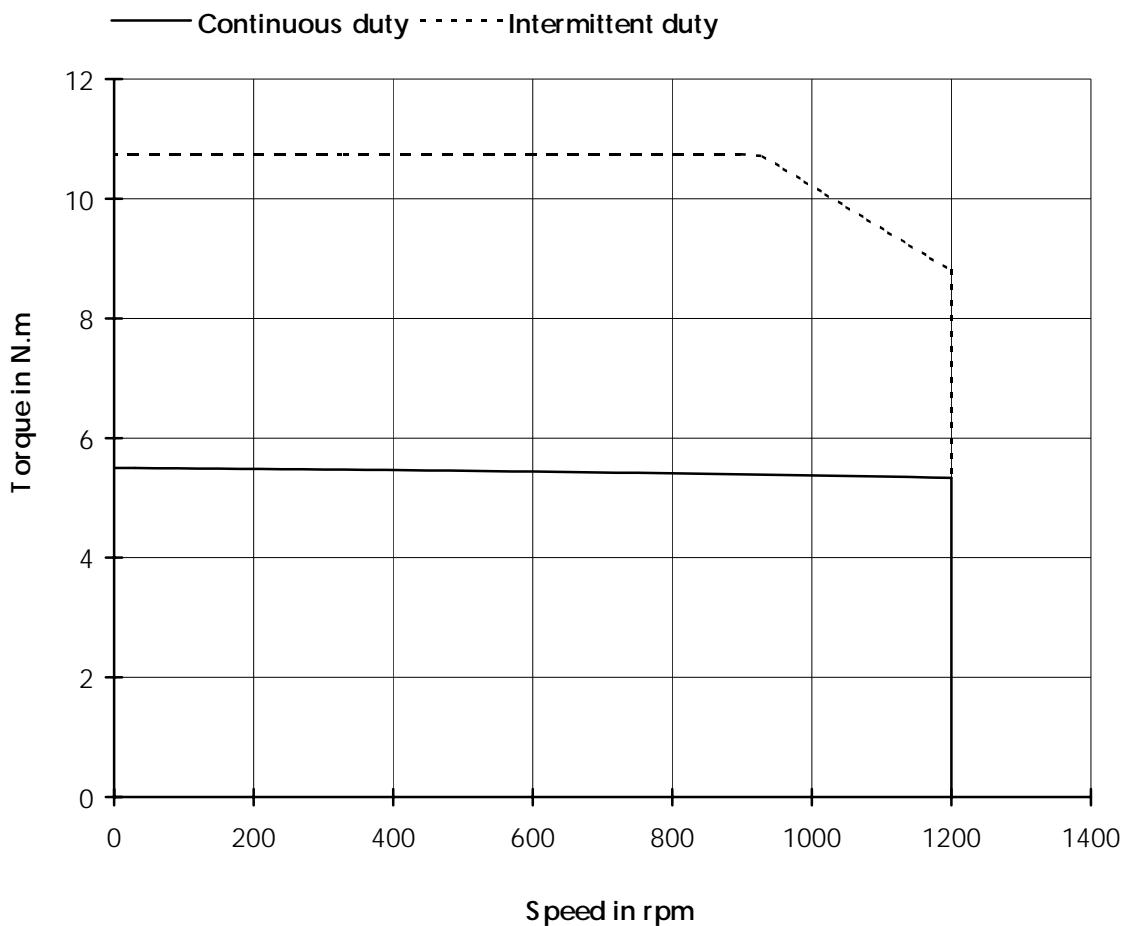
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

Low speed torque	5.5	<i>N.m</i>	<i>M</i> ◦
Max speed	1200	<i>rpm</i>	<i>N</i>
DC voltage supply when motor is loaded	620	<i>V</i>	<i>Ū</i>
Permanent current at low speed	1.99	<i>Ā</i>	<i>Ī</i> ◦
Peak current	4	<i>Ā</i>	<i>Îmaxi</i>
Back emf constant at 1000 rpm (25°C)*	345	<i>V</i>	<i>Kĕ</i>
Torque sensitivity	2.76	<i>N.m/Ā</i>	<i>Kĥ</i>
Winding resistance(25°C) *	31.1	<i>Ω</i>	<i>Rb</i>
Winding inductance *	151	<i>mH</i>	<i>L</i>
Rotor inertia	42.6	<i>kg.m².10⁻⁵</i>	<i>J</i>
Thermal time constant	18	<i>min</i>	<i>Tth</i>
Motor mass	4.8	<i>kg</i>	<i>M</i>

All data are given in typical values under standard conditions

* Phase to phase

Voltages and currents given in peak values



FICHE-007