

DC-BRUSHLESS MOTOR
HV820EZ
 ELECTRONIC DRIVE
DIGIVEX 16/32 - 400

PARVEX

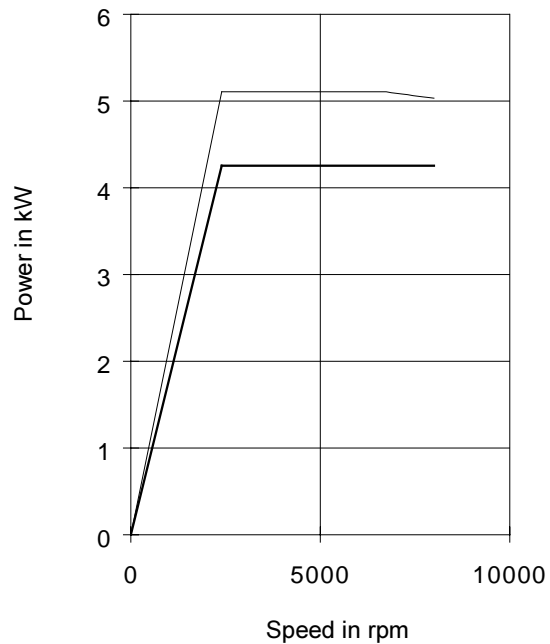
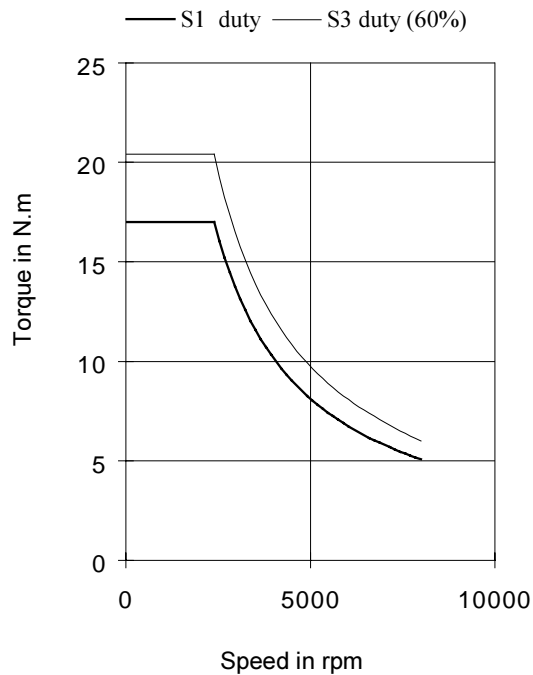
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

<i>S1 power</i>	4.3	<i>kW</i>	<i>Ps1</i>
<i>S3 power</i>	5.1	<i>kW</i>	<i>Ps3</i>
<i>Low speed torque</i>	17	<i>N.m</i>	<i>M_o</i>
<i>Low speed S3 torque</i>	20.4	<i>N.m</i>	<i>M_o S3</i>
<i>Base speed</i>	2390	<i>rpm</i>	<i>Nb</i>
<i>Max speed</i>	8000	<i>rpm</i>	<i>N</i>
<i>DC voltage supply when motor is loaded</i>	540	<i>V</i>	<i>Ū</i>
<i>Permanent current at low speed</i>	12.3	<i>Ā</i>	<i>Ī_o</i>
<i>S3 current at low speed</i>	15.2	<i>Ā</i>	<i>Ī_o S3</i>
<i>Winding resistance(25°C) *</i>	2.43	<i>Ω</i>	<i>R_b</i>
<i>Rotor inertia</i>	0.0035	<i>kg.m²</i>	<i>J</i>
<i>Thermal time constant</i>	12	<i>min</i>	<i>Tth</i>
<i>Motor mass</i>	21	<i>kg</i>	<i>M</i>
<i>Cooling type</i>	Forced-air cooling		

All data are given in typical values under standard conditions

* Phase to phase

Voltagés and currents given in peak values



FICHELV-008

Creation: 04 avr 1997

Edition: 23/juin/1999

HV820EZ

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