

**DC-BRUSHLESS MOTOR
HVA50JE
ELECTRONIC DRIVE
DIGIVEX 150 - 400**

PARVEX

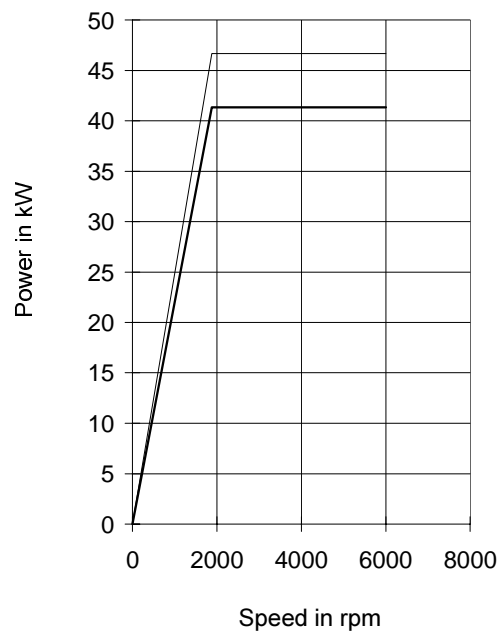
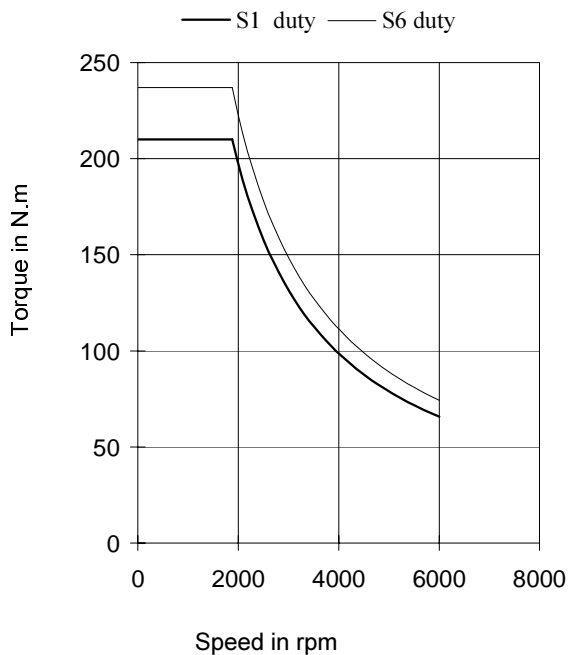
8 avenue du Lac / BP249
F-21007 DIJON Cedex

<i>S1 power</i>	41	<i>kW</i>	<i>Ps1</i>
<i>S6 power</i>	47	<i>kW</i>	<i>Ps3</i>
<i>Low speed torque</i>	210	<i>N.m</i>	<i>M_L</i>
<i>Low speed S6 torque</i>	237	<i>N.m</i>	<i>M_L S6</i>
<i>Base speed (S1)</i>	1880	<i>rpm</i>	<i>N_b</i>
<i>Max speed</i>	6000	<i>rpm</i>	<i>N</i>
<i>DC voltage supply when motor is loaded</i>	530	<i>V</i>	<i>Û</i>
<i>Permanent current at low speed</i>	116	<i>Â</i>	<i>Î</i>
<i>S6 current at low speed</i>	136	<i>Â</i>	<i>Î_{S3}</i>
<i>Winding resistance(25°C) *</i>	0.0641	<i>Ω</i>	<i>R_b</i>
<i>Rotor inertia</i>	0.043	<i>kg.m²</i>	<i>J</i>
<i>Thermal time constant</i>	23	<i>min</i>	<i>T_{th}</i>
<i>Motor mass</i>	120	<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

Voltages and currents given in peak values



FICHELV-011

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