

DC-BRUSHLESS MOTOR
HVA50JH
ELECTRONIC DRIVE
DIGIVEX 100/120 - 400

PARVEX

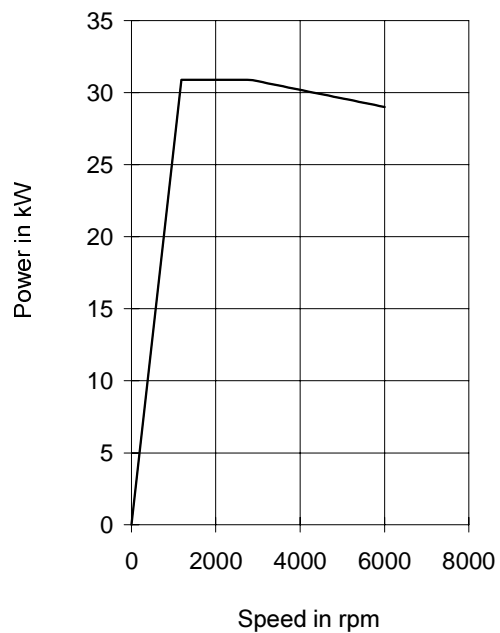
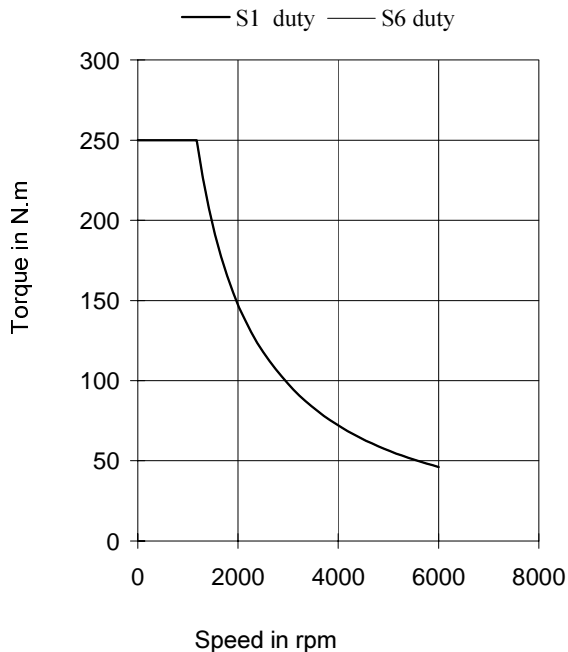
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

<i>S1 power</i>	31	<i>kW</i>	<i>Ps1</i>
<i>S6 power</i>	-	<i>kW</i>	<i>Ps3</i>
<i>Low speed torque</i>	250	<i>N.m</i>	<i>M_L</i>
<i>Low speed S6 torque</i>	-	<i>N.m</i>	<i>M_L S6</i>
<i>Base speed (S1)</i>	1180	<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>Ū</i>
<i>Permanent current at low speed</i>	91.8	<i>Ā</i>	<i>Ī</i>
<i>S6 current at low speed</i>	-	<i>Ā</i>	<i>Ī_{S3}</i>
<i>Winding resistance(25°C) *</i>	0.162	<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

Création: 17 nov 1999

Edition:

24/janv/2002

HVA50JH