

DC-BRUSHLESS MOTOR
HWA50DD
 ELECTRONIC DRIVE
DIGIVEX 150 - 400

PARVEX

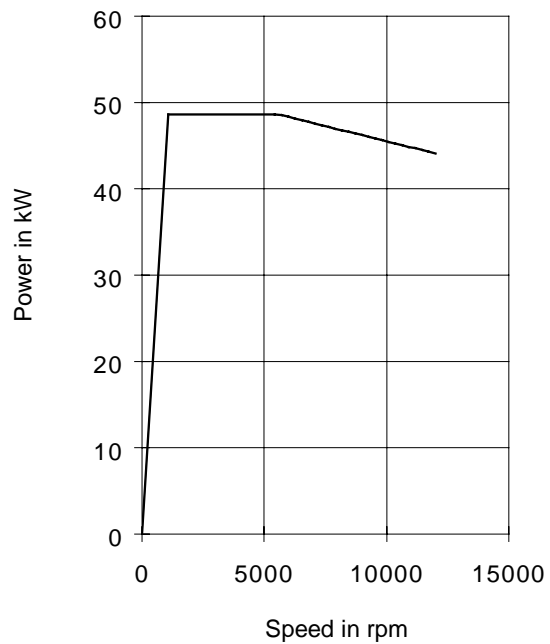
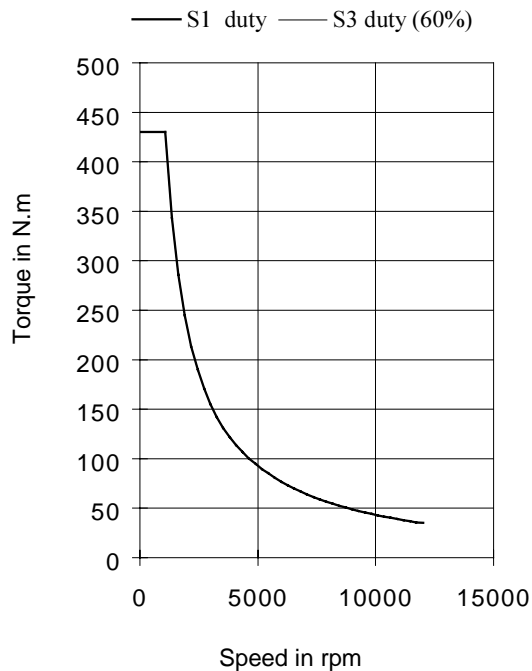
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

<i>S1 power</i>	49	<i>kW</i>	<i>Ps1</i>
<i>S3 power</i>	-	<i>kW</i>	<i>Ps3</i>
<i>Low speed torque</i>	430	<i>N.m</i>	<i>M_o</i>
<i>Low speed S3 torque</i>	-	<i>N.m</i>	<i>M_o S3</i>
<i>Base speed</i>	1080	<i>rpm</i>	<i>Nb</i>
<i>Max speed</i>	12000	<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>	144	<i>Â</i>	<i>Î_o</i>
<i>S3 current at low speed</i>	-	<i>Â</i>	<i>Î_o S3</i>
<i>Winding resistance(25°C) *</i>	0.251	<i>Ω</i>	<i>R_b</i>
<i>Rotor inertia</i>	0.235	<i>kg.m²</i>	<i>J</i>
<i>Thermal time constant</i>	4	<i>min</i>	<i>T_{th}</i>
<i>Motor mass</i>	120	<i>kg</i>	<i>M</i>
<i>Cooling water flow (Tmax = 25 °C)</i>	25	<i>l/min</i>	

All data are given in typical values under standard conditions

* Phase to phase

Voltagés and currents given in peak values



FICHELV-008

Creation: 11 sept 1997

Edition: 17/juin/1999

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