

DC-BRUSHLESS MOTOR
HWB40HD
 ELECTRONIC DRIVE
DIGIVEX 300 - 400

PARVEX

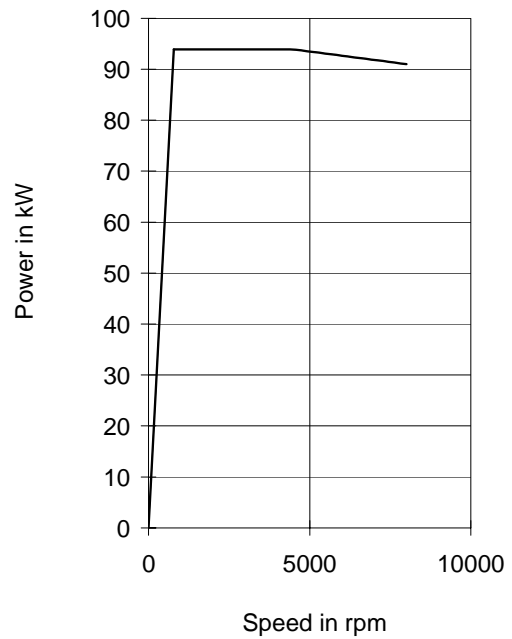
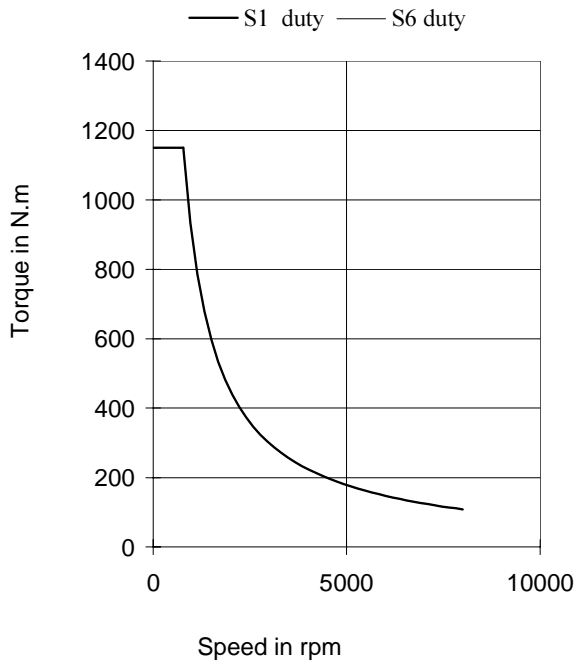
8 avenue du Lac / BP249
 F-21007 DIJON Cedex

<i>S1 power</i>	94	<i>kW</i>	<i>Ps1</i>
<i>S6 power</i>	-	<i>kW</i>	<i>Ps3</i>
<i>Low speed torque</i>	1150	<i>N.m</i>	<i>M₀</i>
<i>Low speed S6 torque</i>	-	<i>N.m</i>	<i>M₀ S6</i>
<i>Base speed (S1)</i>	780	<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>	530	<i>V</i>	<i>Û</i>
<i>Permanent current at low speed</i>	294	<i>Â</i>	<i>Î</i>
<i>S6 current at low speed</i>	-	<i>Â</i>	<i>Î_{S3}</i>
<i>Winding resistance(25°C) *</i>	0.0987	<i>Ω</i>	<i>Rb</i>
<i>Rotor inertia</i>	0.64	<i>kg.m²</i>	<i>J</i>
<i>Thermal time constant</i>	5	<i>min</i>	<i>Tth</i>
<i>Motor mass</i>	220	<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

Voltages and currents given in peak values



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