

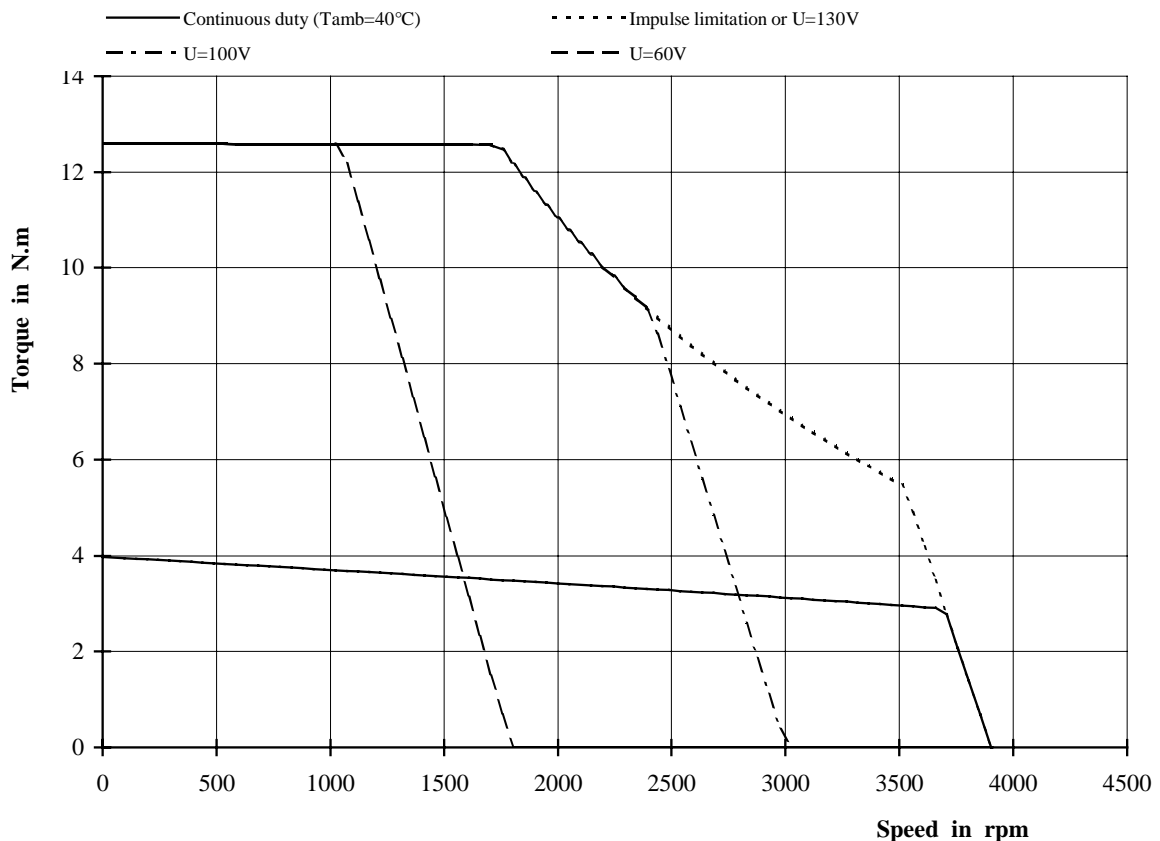
DC-SERVOMOTOR
RS530E

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	4	N.m	<i>M_o</i>
Permanent current at low speed	13	A	<i>I_o</i>
Supply voltage with loaded motor	97	V	<i>U</i>
Definition speed	2700	rpm	<i>N</i>
Maximum supply voltage	130	V	<i>U_{max}</i>
Maximum speed	3900	rpm	<i>N_{max}</i>
Peak current	42	A	<i>I_{max}</i>
Back emf constant at 1000 rpm (25°C)*	33	V	<i>K_e</i>
Torque constant	0.32	N.m/A	<i>K_t</i>
Static friction torque	14	N.cm	<i>T_f</i>
Viscous damping for 1000 rpm	1.13	N.cm	<i>K_d</i>
Winding resistance(25°C)	0.29	Ω	<i>R_b</i>
Winding inductance	1.74	mH	<i>L</i>
Rotor inertia	0.0017	kg.m ²	<i>J</i>
Thermal time constant	19	min	<i>T_{th}</i>
Motor mass	7.5	kg	<i>M</i>

All data are given in typical values under standard conditions



FICHER-001