

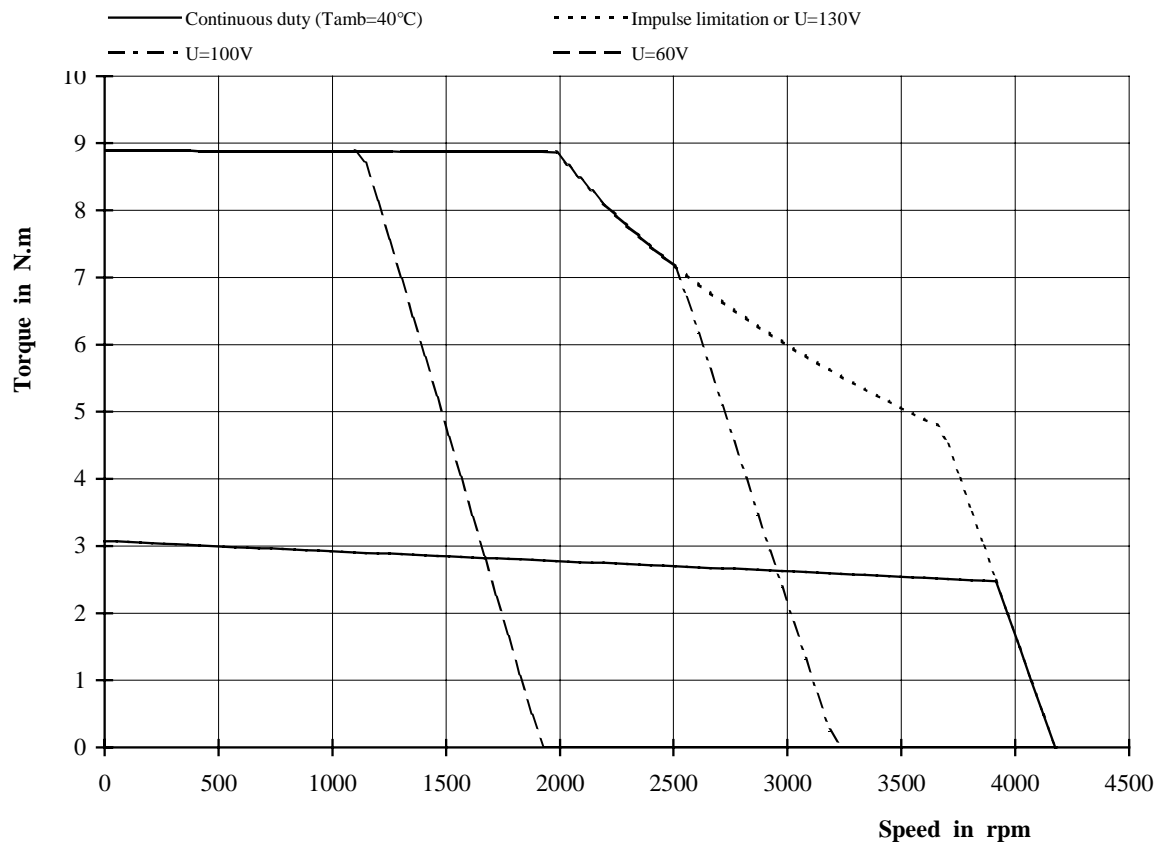
DC-SERVOMOTOR  
RS520G

# PARVEX

8 avenue du Lac  
BP249  
F-21007 DIJON Cedex

Low speed torque	3.1	N.m	$M_0$
Permanent current at low speed	10.9	A	$I_0$
Supply voltage with loaded motor	92	V	$U$
Definition speed	2700	rpm	$N$
Maximum supply voltage	130	V	$U_{max}$
Maximum speed	4200	rpm	$N_{max}$
Peak current	32	A	$I_{max}$
Back emf constant at 1000 rpm (25°C)*	31	V	$K_e$
Torque constant	0.296	N.m/A	$K_t$
Static friction torque	13	N.cm	$T_f$
Viscous damping for 1000 rpm	0.92	N.cm	$K_d$
Winding resistance(25°C)	0.4	$\Omega$	$R_b$
Winding inductance	2.34	mH	$L$
Rotor inertia	0.00135	kg.m <sup>2</sup>	$J$
Thermal time constant	17.8	min	$T_{th}$
Motor mass	6.3	kg	$M$

All data are given in typical values under standard conditions



FICHER-001