

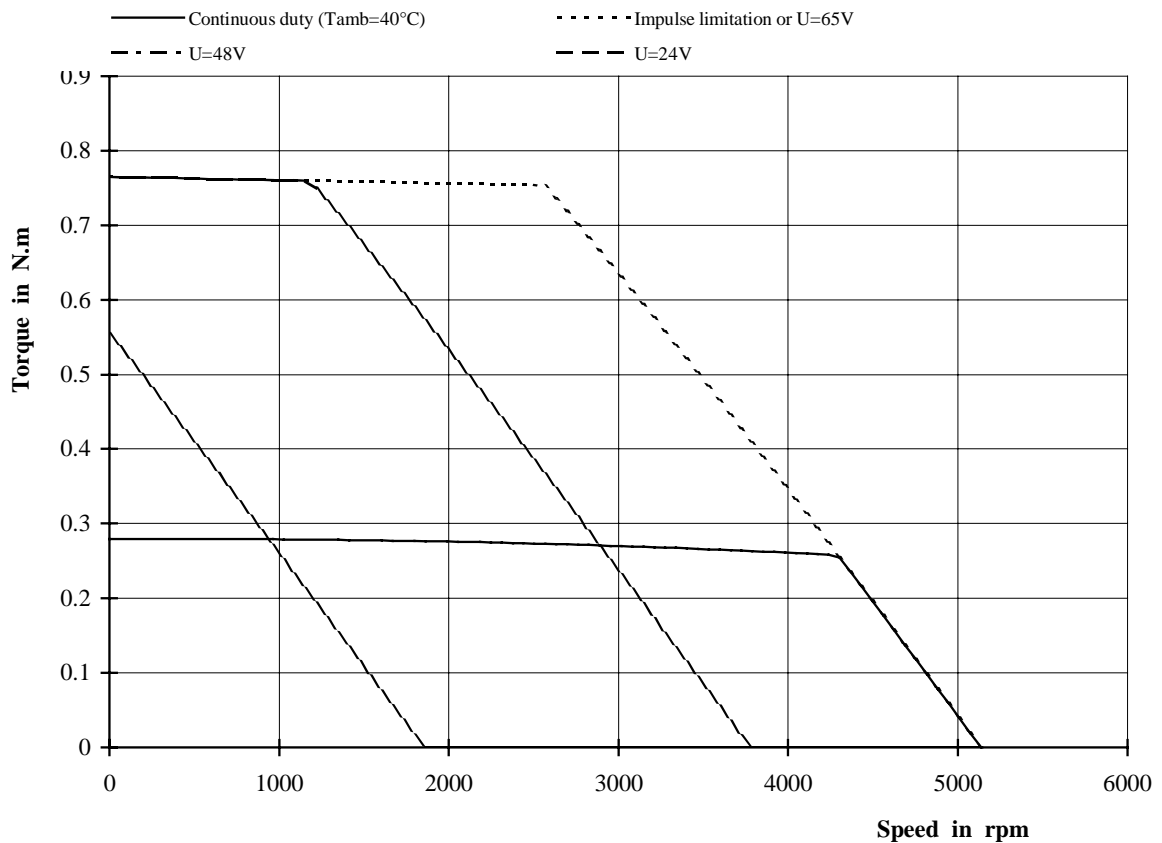
DC-SERVOMOTOR  
RS310N

# PARVEX

8 avenue du Lac  
BP249  
F-21007 DIJON Cedex

Low speed torque	0.28	N.m	$M_o$
Permanent current at low speed	2.6	A	$I_o$
Supply voltage with loaded motor	50	V	$U$
Definition speed	3000	rpm	$N$
Maximum supply voltage	65	V	$U_{max}$
Maximum speed	5100	rpm	$N_{max}$
Peak current	7	A	$I_{max}$
Back emf constant at 1000 rpm (25°C)*	12.3	V	$K_e$
Torque constant	0.117	N.m/A	$K_t$
Static friction torque	2.2	N.cm	$T_f$
Viscous damping for 1000 rpm	0.43	N.cm	$K_d$
Winding resistance(25°C)	3.64	$\Omega$	$R_b$
Winding inductance	4.4	mH	$L$
Rotor inertia	0.000054	kg.m <sup>2</sup>	$J$
Thermal time constant	9	min	$T_{th}$
Motor mass	0.96	kg	$M$

All data are given in typical values under standard conditions



FICHER-001