

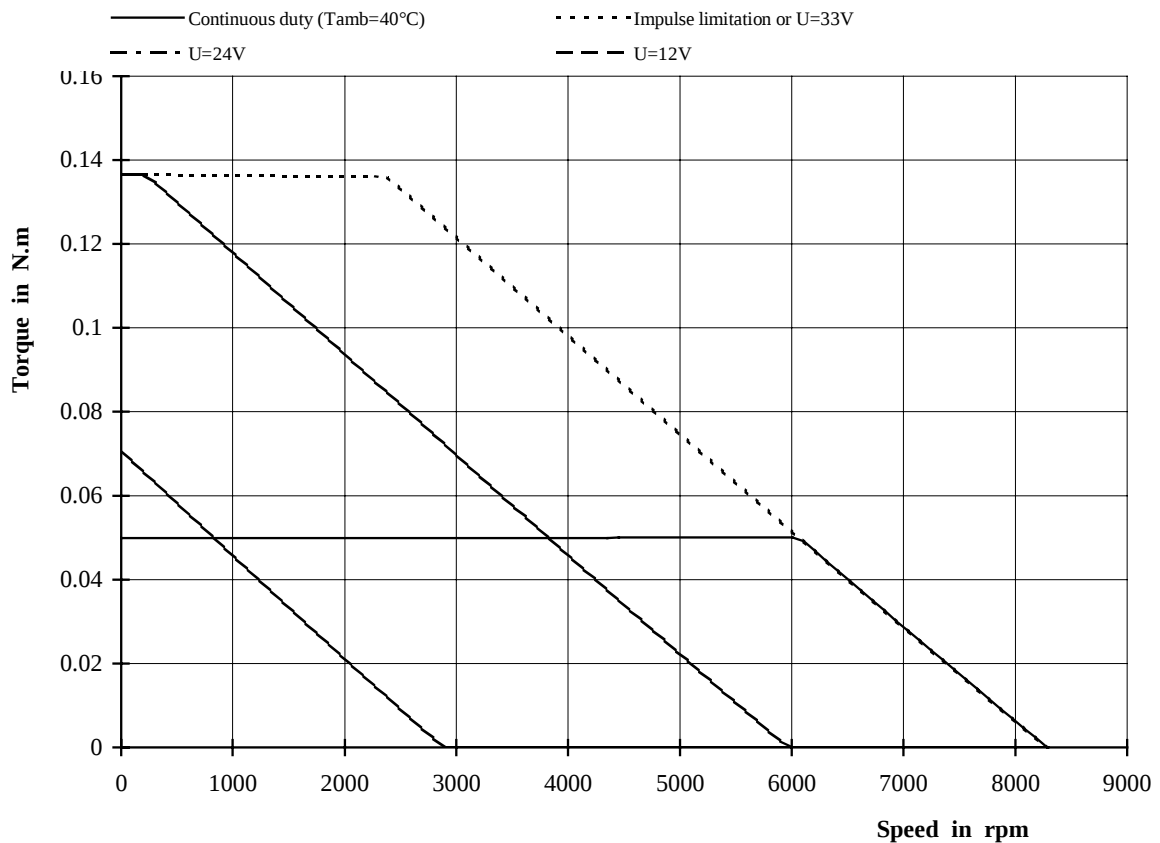
DC-SERVOMOT OR
RS110M

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.05	N.m	Mo
Permanent current at low speed	1.5	A	Io
Supply voltage with loaded motor	20.7	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	33	V	Umax
Maximum speed	8300	rpm	Nmax
Peak current	4	A	Imax
Back emf constant at 1000 rpm (25°C)*	3.85	V	Ke
Torque constant	0.037	N.m/A	Kt
Static friction torque	0.5	N.cm	Tf
Viscous damping for 1000 rpm	0.015	N.cm	Kd
Winding resistance(25°C)	4.5	Ω	Rb
Winding inductance	1.6	mH	L
Rotor inertia	0.0000024	kg.m ²	J
Thermal time constant	4.2	min	Tth
Motor mass	0.29	kg	M

All data are given in typical values under standard conditions



FICHER-001

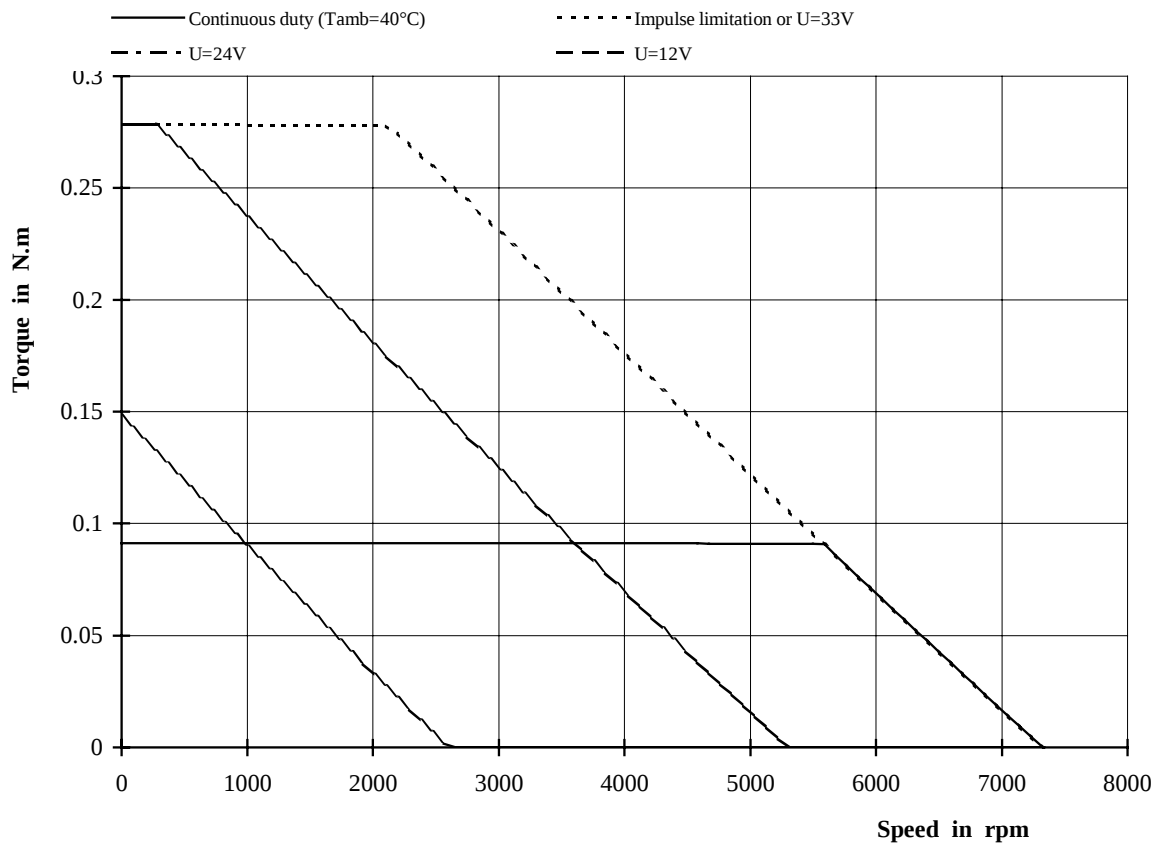
DC-SERVOMOTOR
RS120G

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.092	N.m	Mo
Permanent current at low speed	2.3	A	Io
Supply voltage with loaded motor	21	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	33	V	Umax
Maximum speed	7300	rpm	Nmax
Peak current	7	A	Imax
Back emf constant at 1000 rpm (25°C)*	4.4	V	Ke
Torque constant	0.042	N.m/A	Kt
Static friction torque	0.6	N.cm	Tf
Viscous damping for 1000 rpm	0.024	N.cm	Kd
Winding resistance(25°C)	2.3	Ω	Rb
Winding inductance	1.1	mH	L
Rotor inertia	0.0000041	kg.m ²	J
Thermal time constant	5.2	min	Tth
Motor mass	0.39	kg	M

All data are given in typical values under standard conditions



FICHER-001

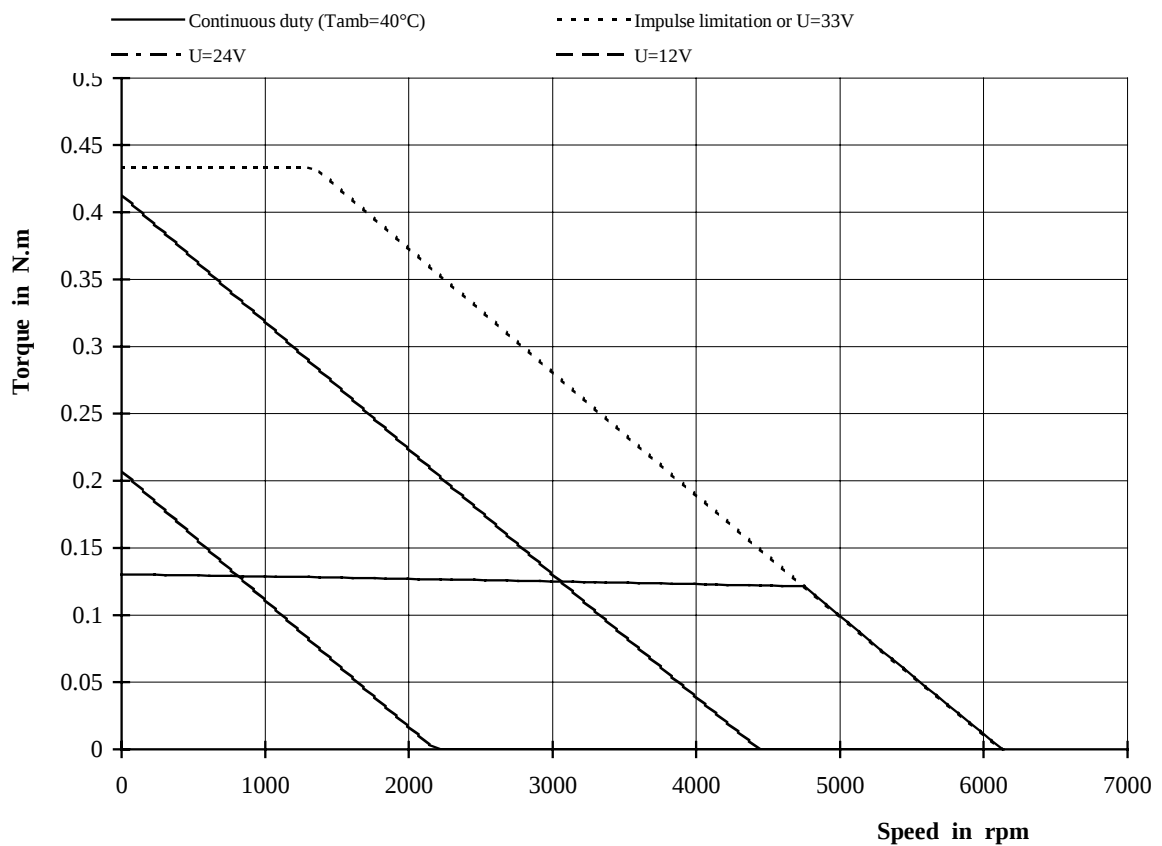
DC-SERVOMOTOR
RS130E

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.13	N.m	Mo
Permanent current at low speed	2.7	A	Io
Supply voltage with loaded motor	24	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	33	V	Umax
Maximum speed	6100	rpm	Nmax
Peak current	9	A	Imax
Back emf constant at 1000 rpm (25°C)*	5.3	V	Ke
Torque constant	0.051	N.m/A	Kt
Static friction torque	0.7	N.cm	Tf
Viscous damping for 1000 rpm	0.033	N.cm	Kd
Winding resistance(25°C)	1.93	Ω	Rb
Winding inductance	1	mH	L
Rotor inertia	0.0000058	kg.m ²	J
Thermal time constant	6	min	Tth
Motor mass	0.49	kg	M

All data are given in typical values under standard conditions



FICHER-001

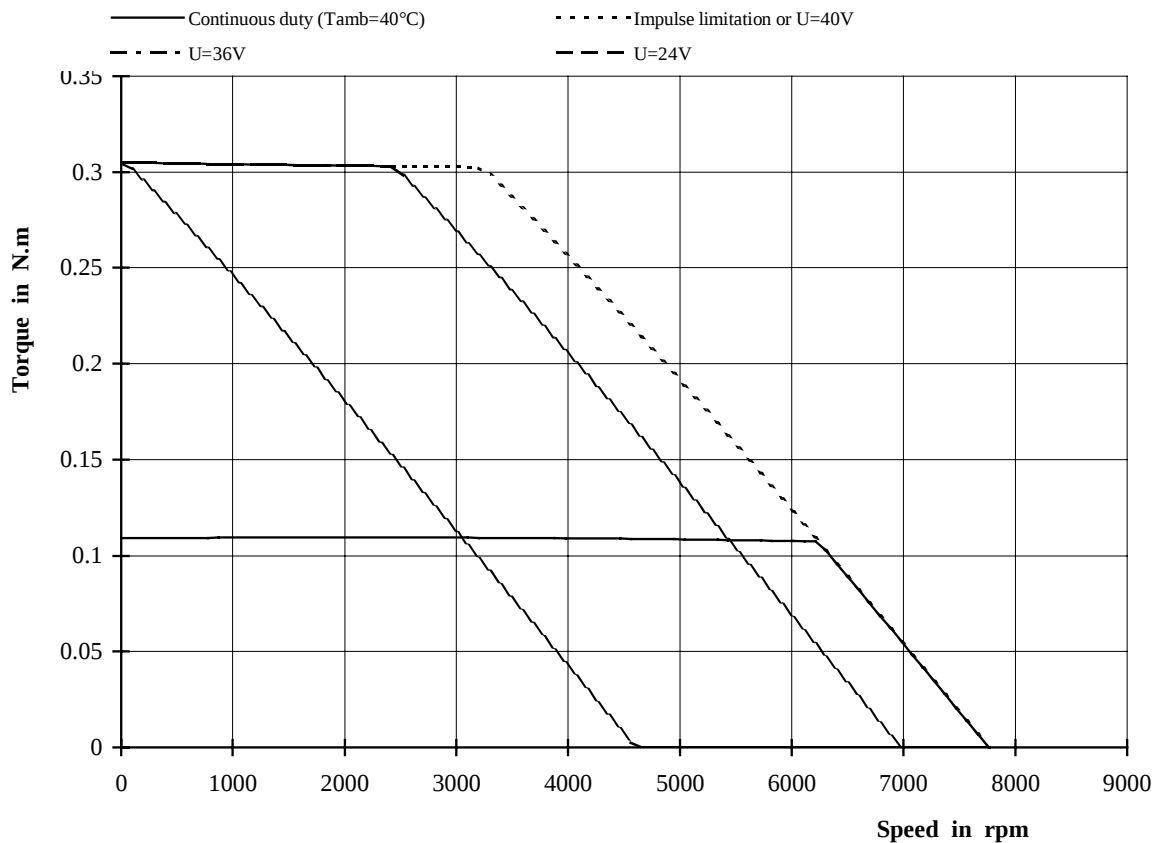
DC-SERVOMOTOR
RS210L

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.11	N.m	Mo
Permanent current at low speed	2.5	A	Io
Supply voltage with loaded motor	24	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	40	V	Umax
Maximum speed	7800	rpm	Nmax
Peak current	7	A	Imax
Back emf constant at 1000 rpm (25°C)*	5	V	Ke
Torque constant	0.048	N.m/A	Kt
Static friction torque	1.05	N.cm	Tf
Viscous damping for 1000 rpm	0.08	N.cm	Kd
Winding resistance(25°C)	2.33	Ω	Rb
Winding inductance	1.1	mH	L
Rotor inertia	0.000013	kg.m ²	J
Thermal time constant	5	min	Tth
Motor mass	0.53	kg	M

All data are given in typical values under standard conditions



FICHER-001

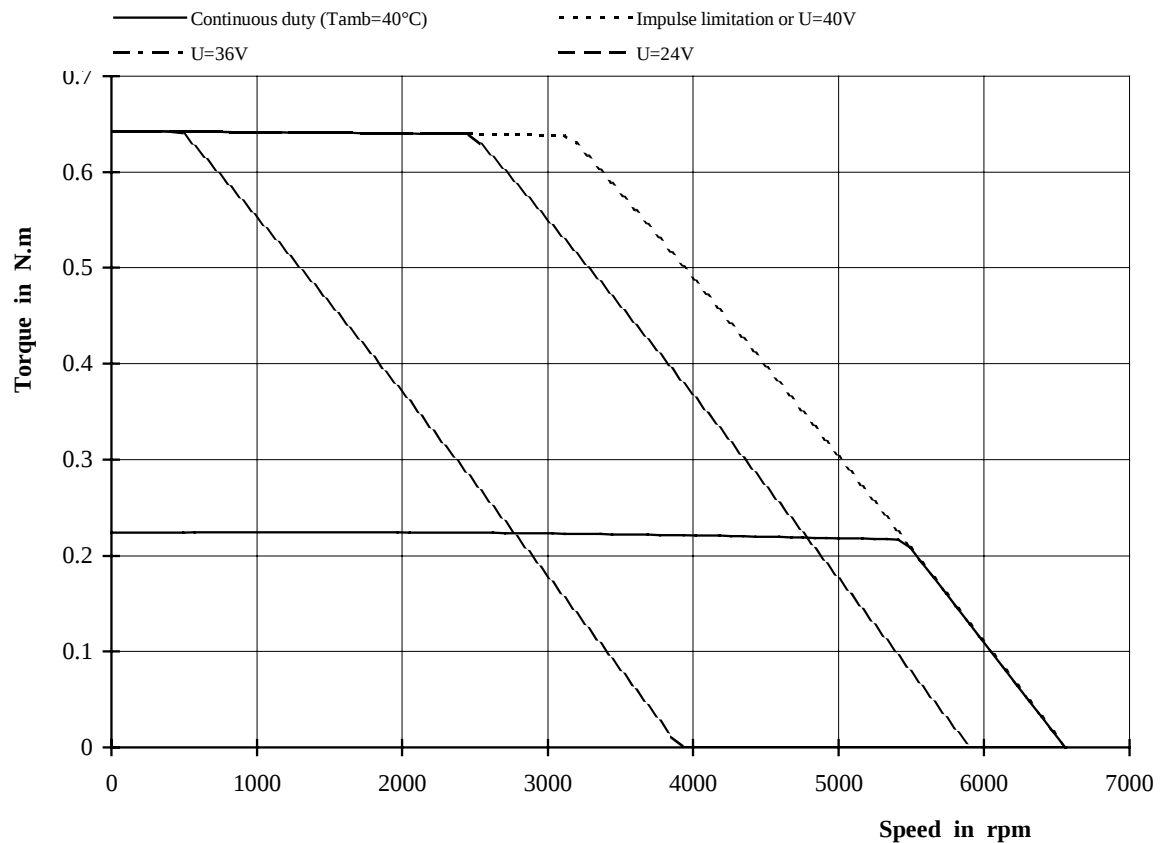
DC-SERVOMOTOR
RS220F

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.225	N.m	Mo
Permanent current at low speed	4.1	A	Io
Supply voltage with loaded motor	25.4	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	40	V	Umax
Maximum speed	6600	rpm	Nmax
Peak current	12	A	Imax
Back emf constant at 1000 rpm (25°C)*	6	V	Ke
Torque constant	0.057	N.m/A	Kt
Static friction torque	1.2	N.cm	Tf
Viscous damping for 1000 rpm	0.14	N.cm	Kd
Winding resistance(25°C)	1.12	Ω	Rb
Winding inductance	0.65	mH	L
Rotor inertia	0.0000195	kg.m ²	J
Thermal time constant	6.9	min	Tth
Motor mass	0.7	kg	M

All data are given in typical values under standard conditions



FICHER-001

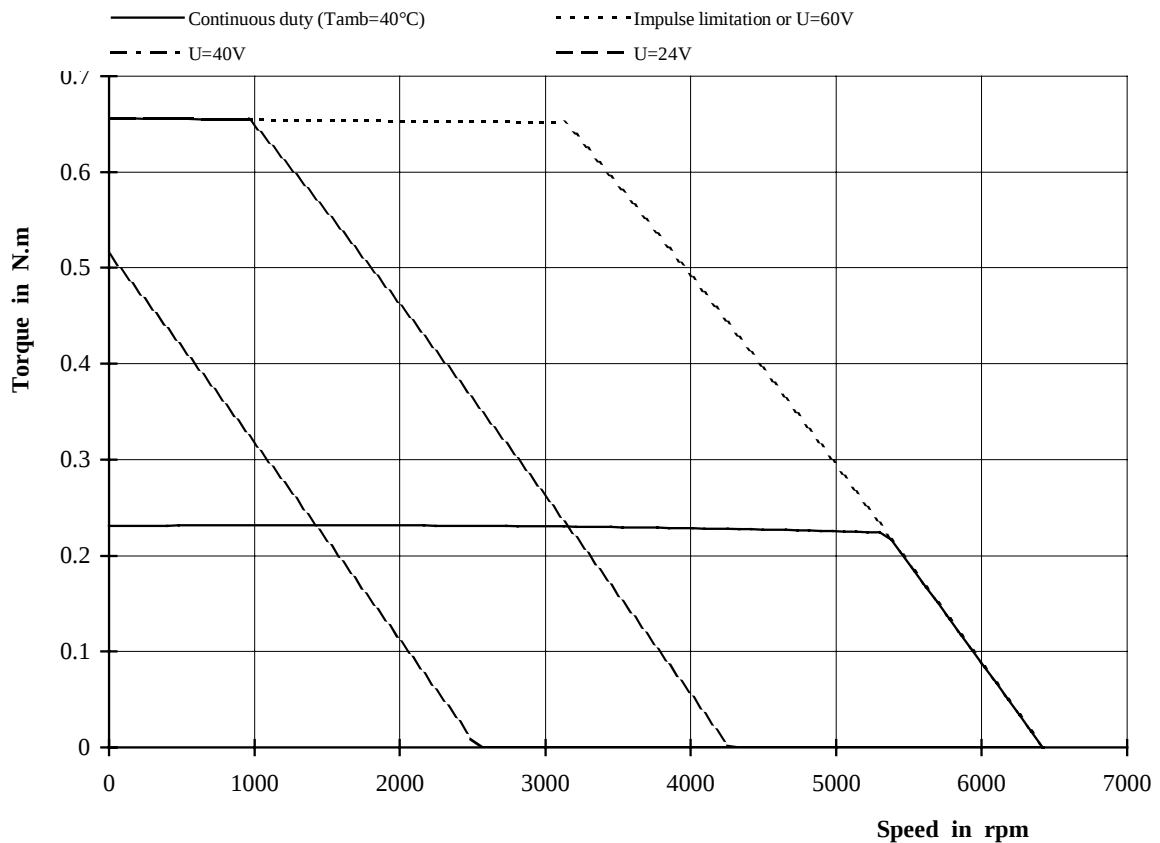
DC-SERVOMOT OR
RS220K

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.232	N.m	Mo
Permanent current at low speed	2.8	A	Io
Supply voltage with loaded motor	39	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	60	V	Umax
Maximum speed	6400	rpm	Nmax
Peak current	8	A	Imax
Back emf constant at 1000 rpm (25°C)*	9.2	V	Ke
Torque constant	0.088	N.m/A	Kt
Static friction torque	1.2	N.cm	Tf
Viscous damping for 1000 rpm	0.14	N.cm	Kd
Winding resistance(25°C)	2.7	Ω	Rb
Winding inductance	1.53	mH	L
Rotor inertia	0.0000195	kg.m ²	J
Thermal time constant	6.9	min	Tth
Motor mass	0.7	kg	M

All data are given in typical values under standard conditions



FICHER-001

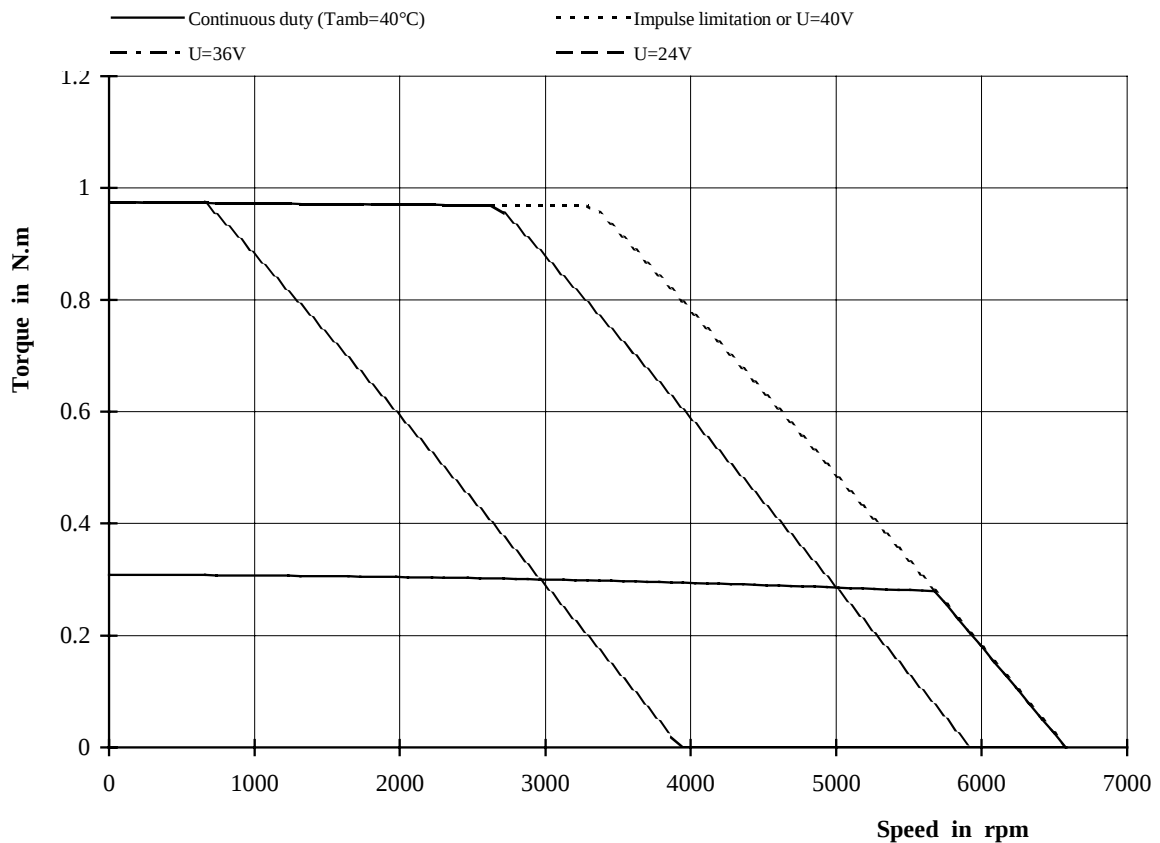
DC-SERVOMOTOR
RS230C

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.31	N.m	Mo
Permanent current at low speed	5.6	A	Io
Supply voltage with loaded motor	24	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	40	V	Umax
Maximum speed	6600	rpm	Nmax
Peak current	18	A	Imax
Back emf constant at 1000 rpm (25°C)*	6	V	Ke
Torque constant	0.057	N.m/A	Kt
Static friction torque	1.35	N.cm	Tf
Viscous damping for 1000 rpm	0.2	N.cm	Kd
Winding resistance(25°C)	0.67	Ω	Rb
Winding inductance	0.42	mH	L
Rotor inertia	0.000026	kg.m ²	J
Thermal time constant	7.5	min	Tth
Motor mass	0.87	kg	M

All data are given in typical values under standard conditions



FICHER-001

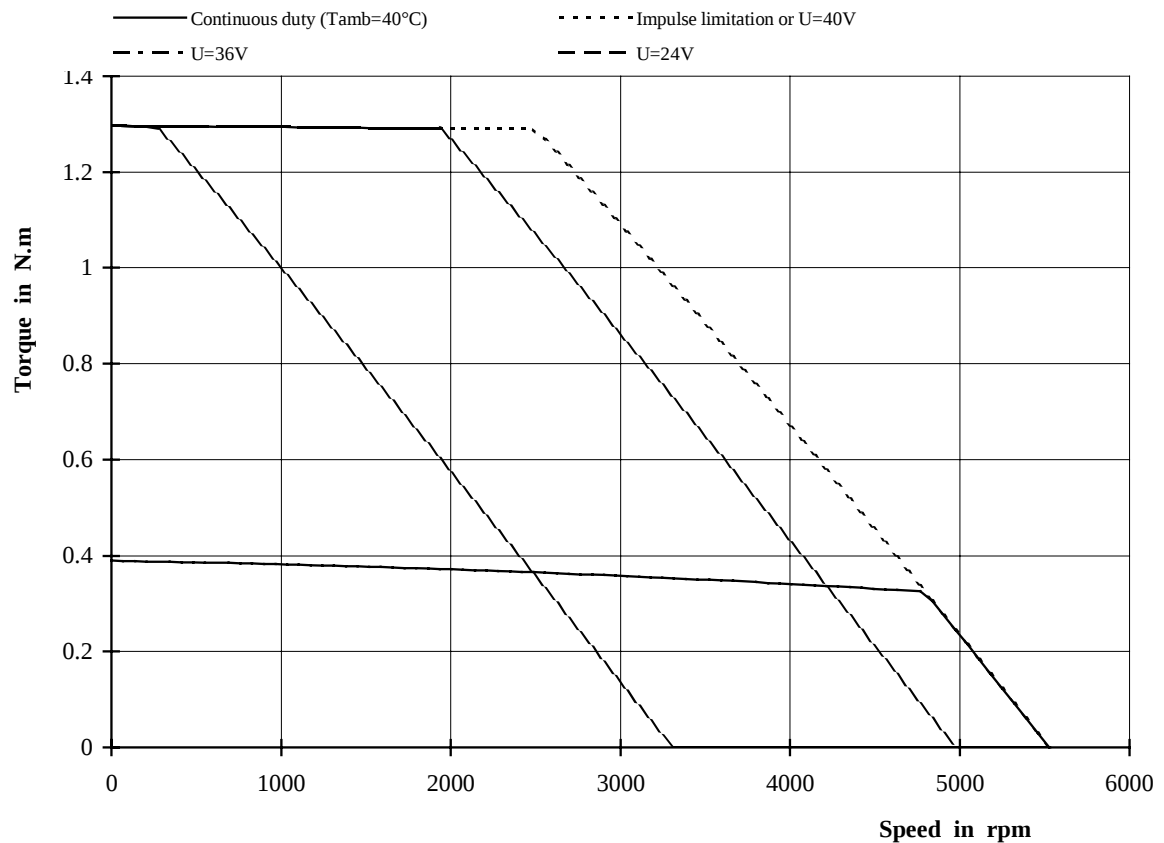
DC-SERVOMOTOR
RS240B

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.39	N.m	Mo
Permanent current at low speed	6	A	Io
Supply voltage with loaded motor	28	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	40	V	Umax
Maximum speed	5500	rpm	Nmax
Peak current	20	A	Imax
Back emf constant at 1000 rpm (25°C)*	7.2	V	Ke
Torque constant	0.068	N.m/A	Kt
Static friction torque	1.5	N.cm	Tf
Viscous damping for 1000 rpm	0.26	N.cm	Kd
Winding resistance(25°C)	0.68	Ω	Rb
Winding inductance	0.45	mH	L
Rotor inertia	0.0000325	kg.m ²	J
Thermal time constant	7.5	min	Tth
Motor mass	1.04	kg	M

All data are given in typical values under standard conditions



FICHER-001

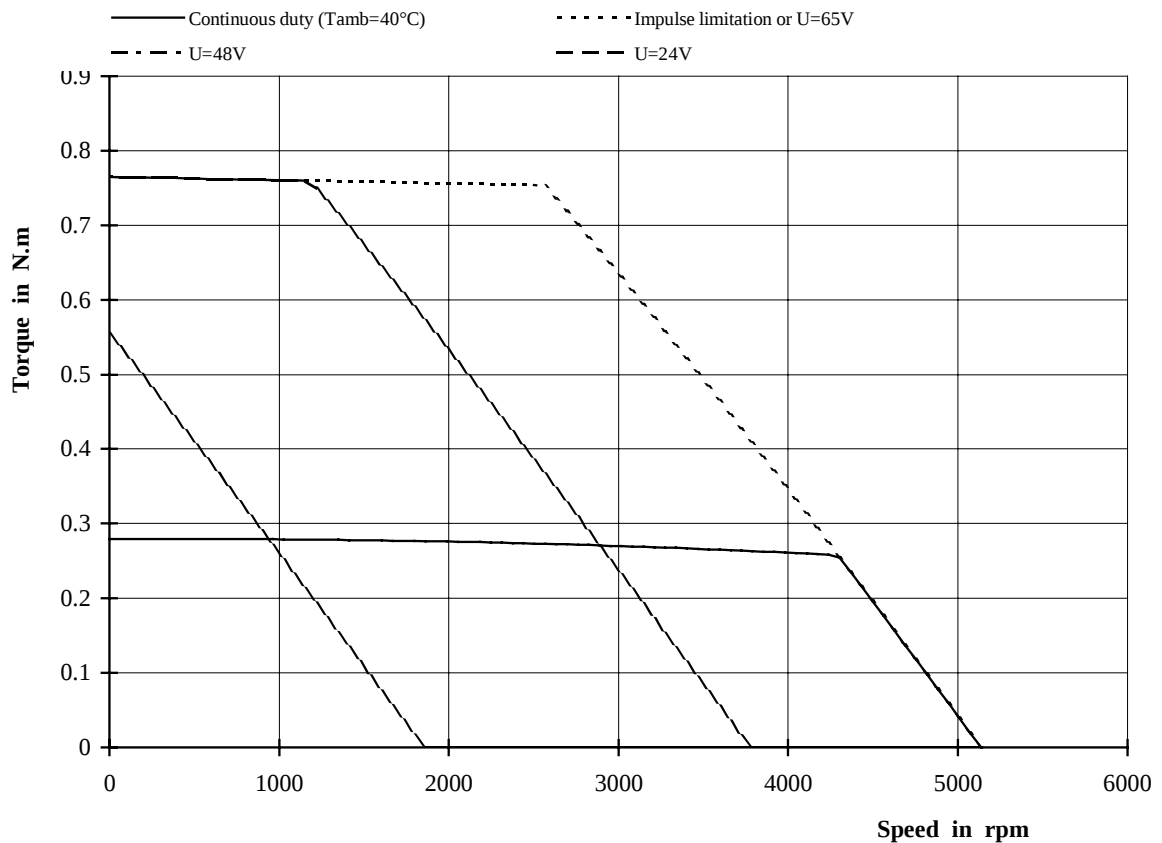
DC-SERVOMOTOR
RS310N

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.28	N.m	Mo
Permanent current at low speed	2.6	A	Io
Supply voltage with loaded motor	50	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	65	V	Umax
Maximum speed	5100	rpm	Nmax
Peak current	7	A	Imax
Back emf constant at 1000 rpm (25°C)*	12.3	V	Ke
Torque constant	0.117	N.m/A	Kt
Static friction torque	2.2	N.cm	Tf
Viscous damping for 1000 rpm	0.43	N.cm	Kd
Winding resistance(25°C)	3.64	Ω	Rb
Winding inductance	4.4	mH	L
Rotor inertia	0.000054	kg.m ²	J
Thermal time constant	9	min	Tth
Motor mass	0.96	kg	M

All data are given in typical values under standard conditions



FICHER-001

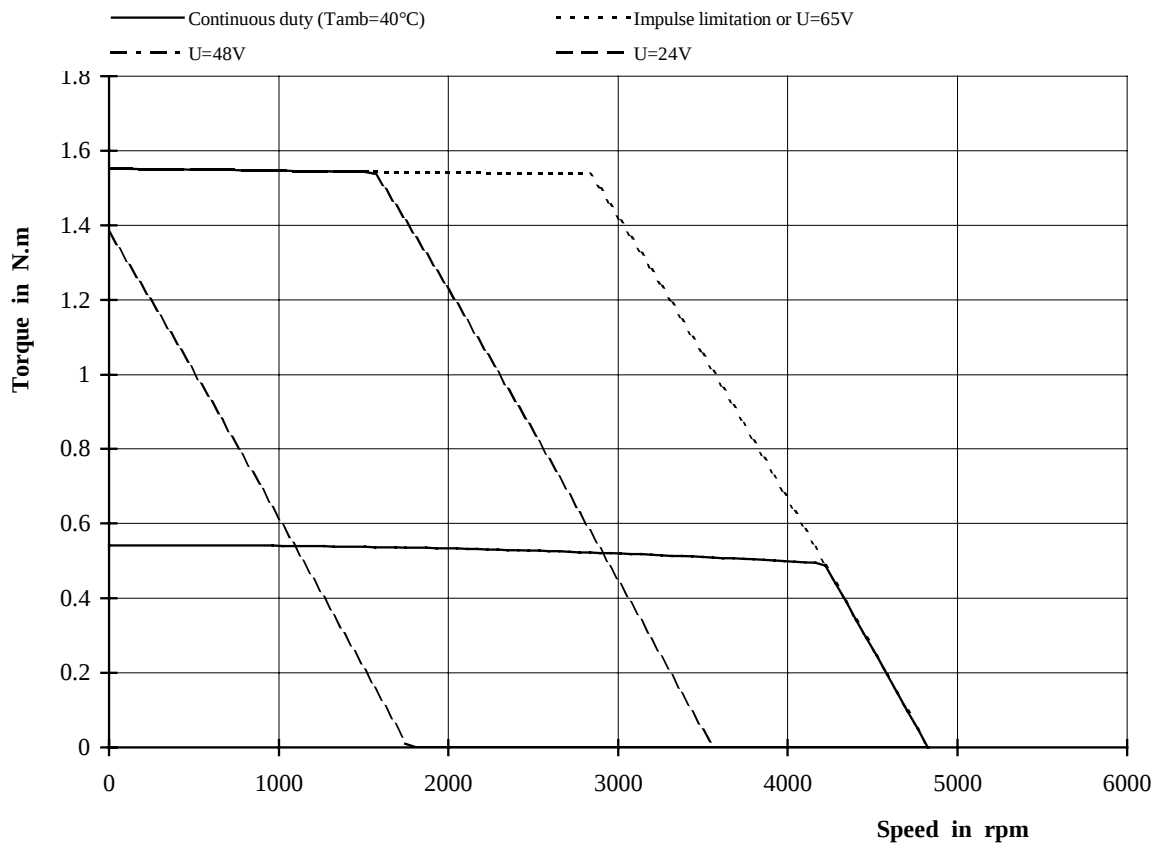
DC-SERVOMOTOR
RS320H

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.54	N.m	Mo
Permanent current at low speed	4.5	A	Io
Supply voltage with loaded motor	49	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	65	V	Umax
Maximum speed	4800	rpm	Nmax
Peak current	13	A	Imax
Back emf constant at 1000 rpm (25°C)*	13.3	V	Ke
Torque constant	0.127	N.m/A	Kt
Static friction torque	2.4	N.cm	Tf
Viscous damping for 1000 rpm	0.53	N.cm	Kd
Winding resistance(25°C)	1.52	Ω	Rb
Winding inductance	2.2	mH	L
Rotor inertia	0.000083	kg.m ²	J
Thermal time constant	7	min	Tth
Motor mass	1.34	kg	M

All data are given in typical values under standard conditions



FICHER-001

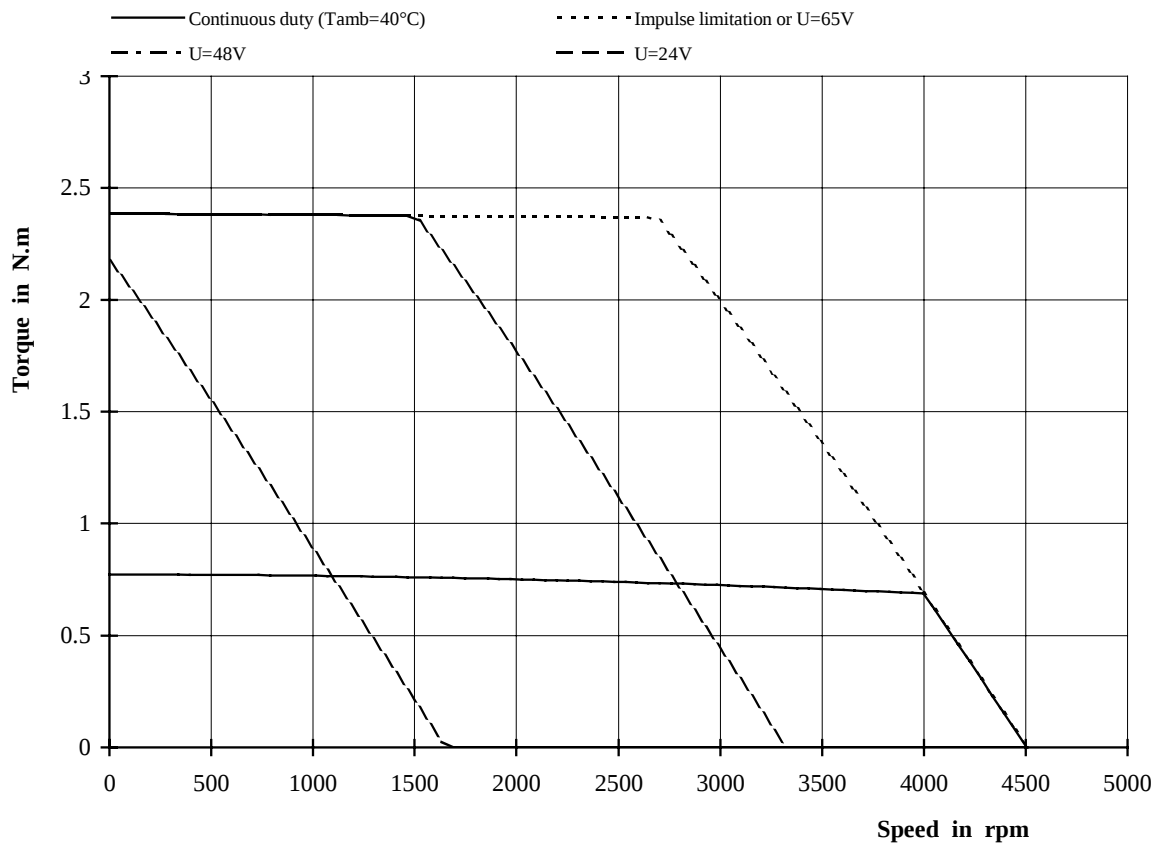
DC-SERVOMOT OR
RS330E

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.78	N.m	Mo
Permanent current at low speed	5.9	A	Io
Supply voltage with loaded motor	51	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	65	V	Umax
Maximum speed	4500	rpm	Nmax
Peak current	18.5	A	Imax
Back emf constant at 1000 rpm (25°C)*	14.3	V	Ke
Torque constant	0.137	N.m/A	Kt
Static friction torque	2.6	N.cm	Tf
Viscous damping for 1000 rpm	0.63	N.cm	Kd
Winding resistance(25°C)	1.01	Ω	Rb
Winding inductance	1.65	mH	L
Rotor inertia	0.00011	kg.m ²	J
Thermal time constant	6.2	min	Tth
Motor mass	1.72	kg	M

All data are given in typical values under standard conditions



FICHER-001

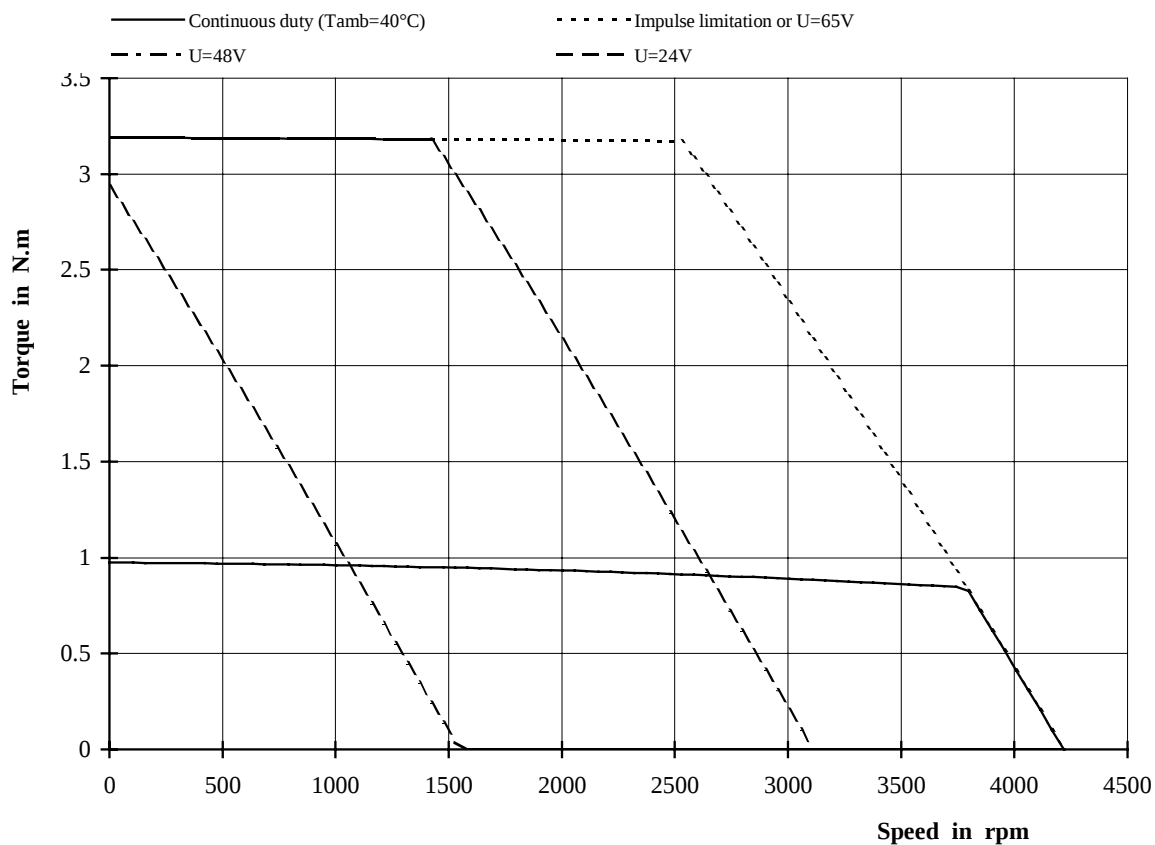
DC-SERVOMOTOR
RS340C

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.98	N.m	Mo
Permanent current at low speed	6.9	A	Io
Supply voltage with loaded motor	53	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	65	V	Umax
Maximum speed	4200	rpm	Nmax
Peak current	23	A	Imax
Back emf constant at 1000 rpm (25°C)*	15.3	V	Ke
Torque constant	0.146	N.m/A	Kt
Static friction torque	2.8	N.cm	Tf
Viscous damping for 1000 rpm	0.73	N.cm	Kd
Winding resistance(25°C)	0.8	Ω	Rb
Winding inductance	1.4	mH	L
Rotor inertia	0.00014	kg.m ²	J
Thermal time constant	6	min	Tth
Motor mass	2.1	kg	M

All data are given in typical values under standard conditions



FICHER-001

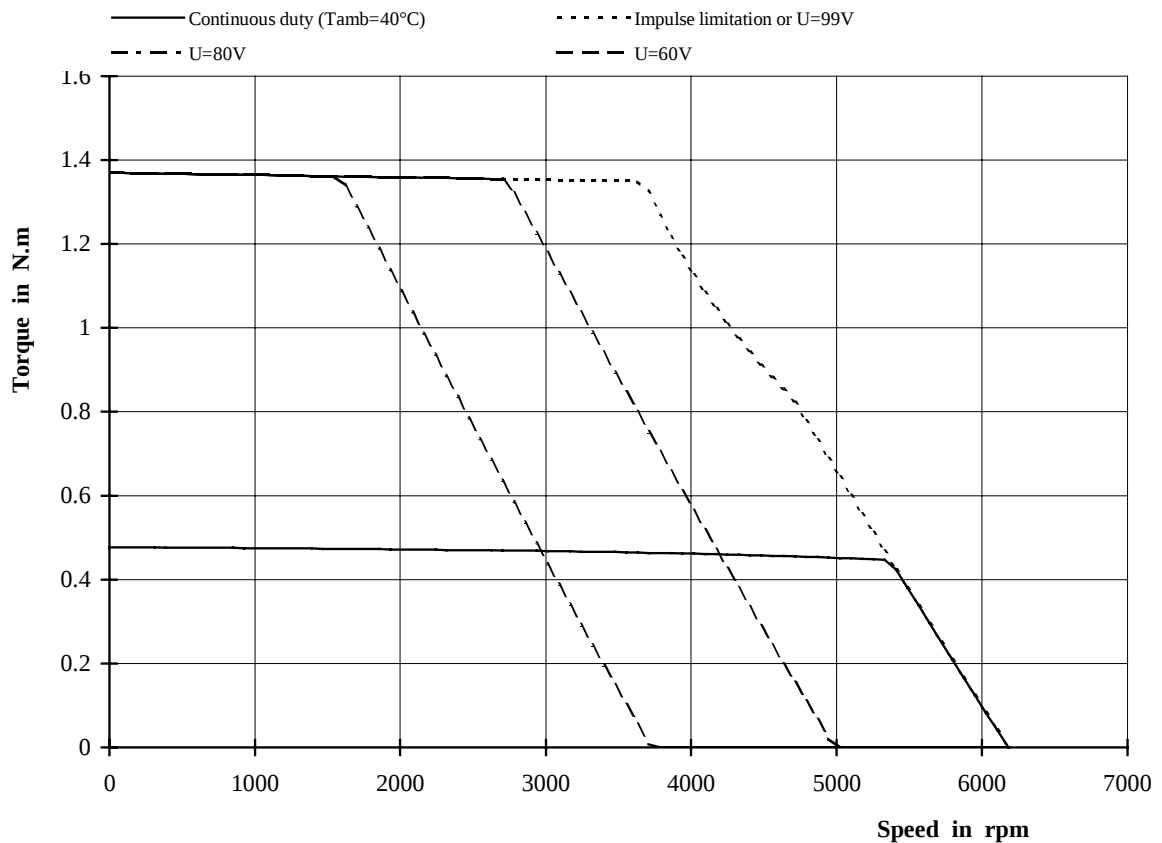
DC-SERVOMOTOR
RS410R

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.48	N.m	Mo
Permanent current at low speed	3.6	A	Io
Supply voltage with loaded motor	60	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	99	V	Umax
Maximum speed	6200	rpm	Nmax
Peak current	10	A	Imax
Back emf constant at 1000 rpm (25°C)*	15.6	V	Ke
Torque constant	0.15	N.m/A	Kt
Static friction torque	5.2	N.cm	Tf
Viscous damping for 1000 rpm	0.56	N.cm	Kd
Winding resistance(25°C)	2.47	Ω	Rb
Winding inductance	4.2	mH	L
Rotor inertia	0.000137	kg.m ²	J
Thermal time constant	14	min	Tth
Motor mass	1.6	kg	M

All data are given in typical values under standard conditions



FICHER-001

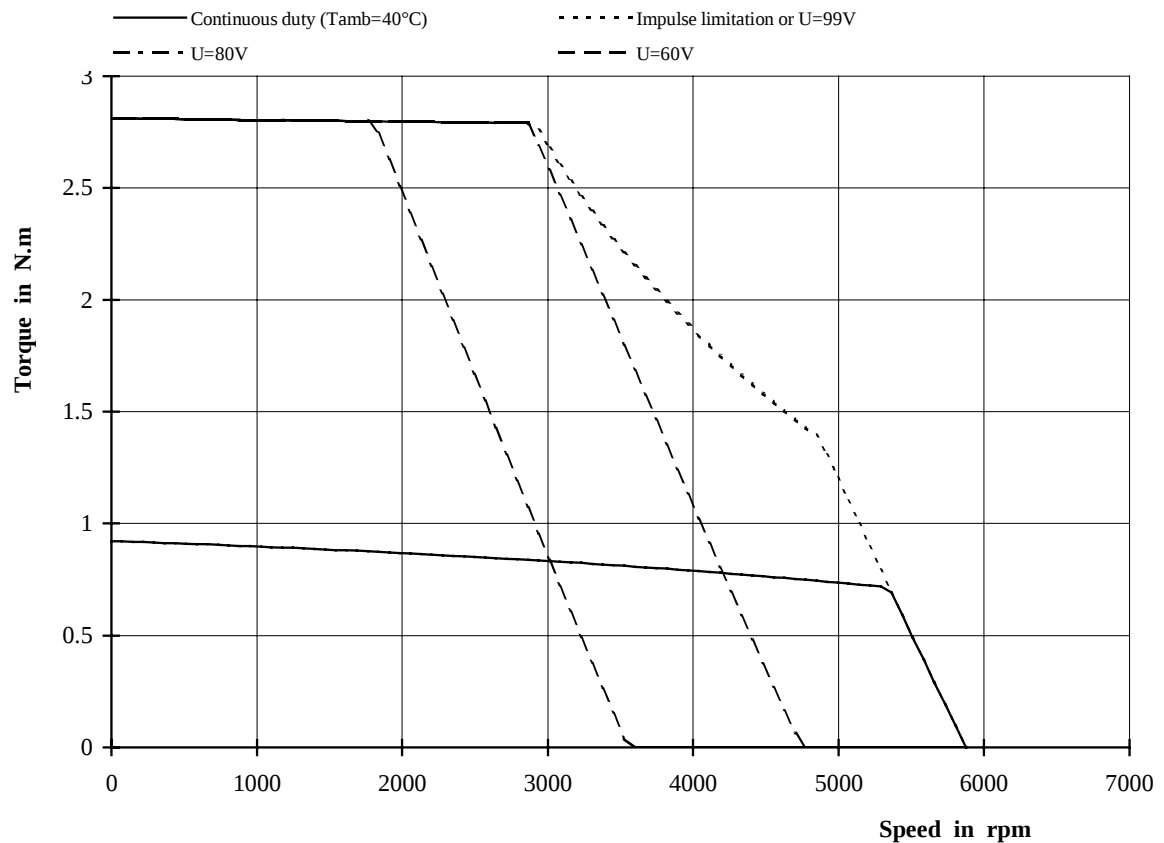
DC-SERVOMOTOR
RS420J

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	0.93	N.m	Mo
Permanent current at low speed	6.2	A	Io
Supply voltage with loaded motor	60	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	99	V	Umax
Maximum speed	5900	rpm	Nmax
Peak current	19	A	Imax
Back emf constant at 1000 rpm (25°C)*	16.6	V	Ke
Torque constant	0.16	N.m/A	Kt
Static friction torque	5.4	N.cm	Tf
Viscous damping for 1000 rpm	0.75	N.cm	Kd
Winding resistance(25°C)	0.96	Ω	Rb
Winding inductance	1.9	mH	L
Rotor inertia	0.000225	kg.m ²	J
Thermal time constant	12.5	min	Tth
Motor mass	2.2	kg	M

All data are given in typical values under standard conditions



FICHER-001

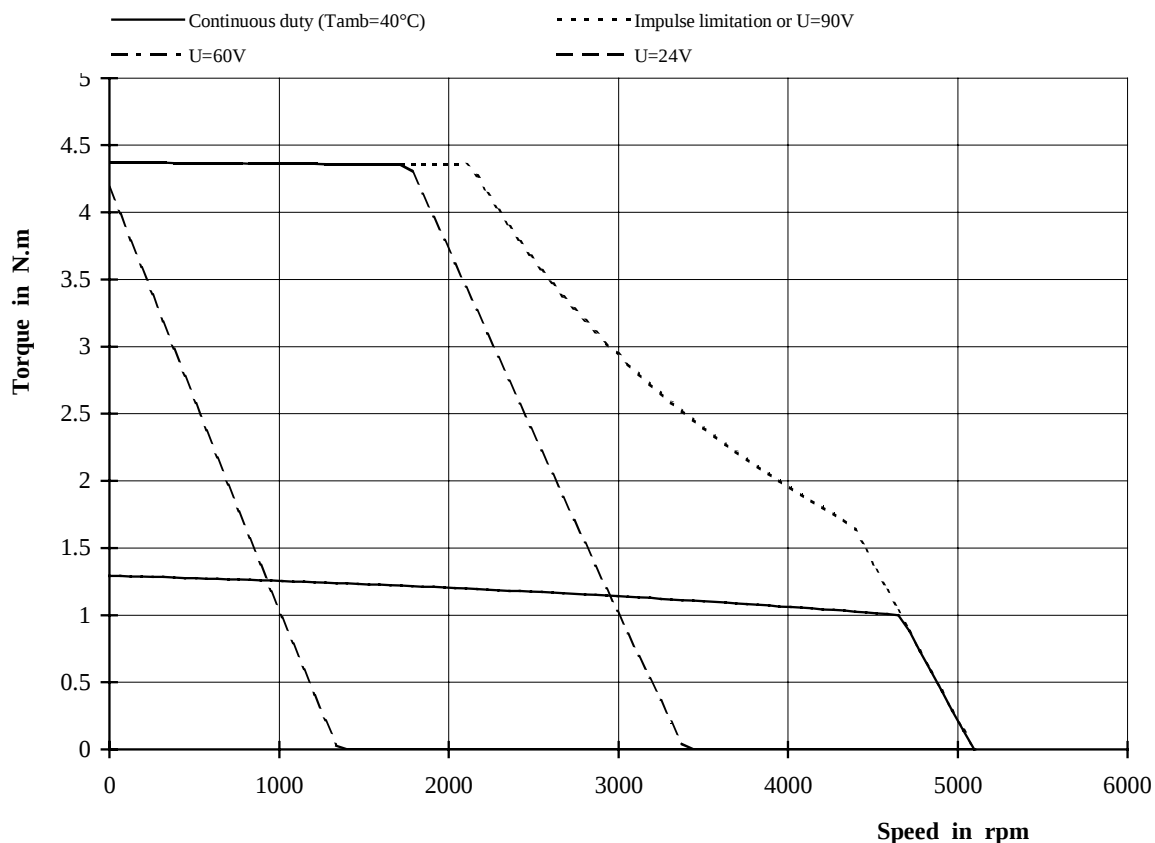
DC-SERVOMOTOR
RS430F

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	1.3	N.m	Mo
Permanent current at low speed	8.1	A	Io
Supply voltage with loaded motor	43	V	U
Definition speed	2000	rpm	N
Maximum supply voltage	90	V	Umax
Maximum speed	5100	rpm	Nmax
Peak current	28	A	Imax
Back emf constant at 1000 rpm (25°C)*	17.5	V	Ke
Torque constant	0.167	N.m/A	Kt
Static friction torque	5.7	N.cm	Tf
Viscous damping for 1000 rpm	0.94	N.cm	Kd
Winding resistance(25°C)	0.59	Ω	Rb
Winding inductance	1.33	mH	L
Rotor inertia	0.00031	kg.m ²	J
Thermal time constant	11.5	min	Tth
Motor mass	2.8	kg	M

All data are given in typical values under standard conditions



FICHER-001

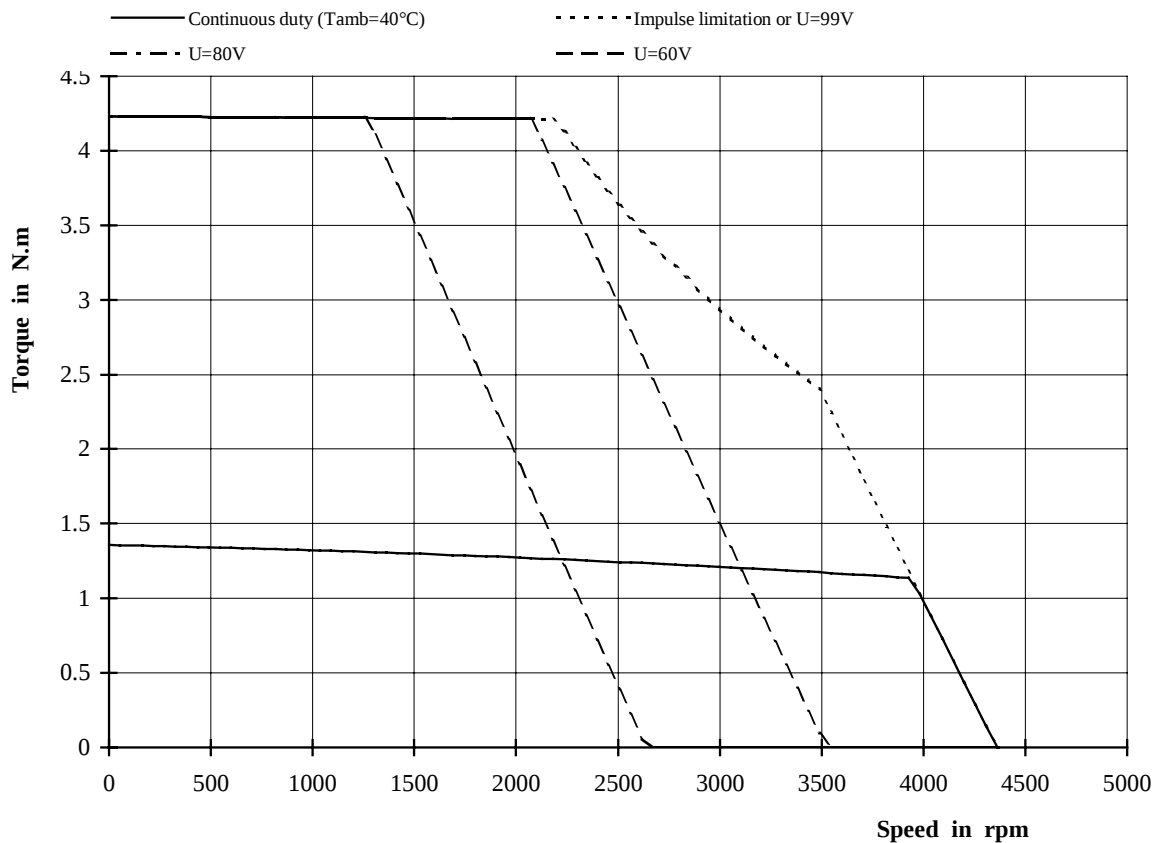
DC-SERVOMOTOR
RS430H

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	1.36	N.m	Mo
Permanent current at low speed	6.6	A	Io
Supply voltage with loaded motor	78	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	99	V	Umax
Maximum speed	4400	rpm	Nmax
Peak current	21	A	Imax
Back emf constant at 1000 rpm (25°C)*	22.5	V	Ke
Torque constant	0.215	N.m/A	Kt
Static friction torque	5.7	N.cm	Tf
Viscous damping for 1000 rpm	0.94	N.cm	Kd
Winding resistance(25°C)	0.94	Ω	Rb
Winding inductance	2.2	mH	L
Rotor inertia	0.00031	kg.m ²	J
Thermal time constant	11.5	min	Tth
Motor mass	2.8	kg	M

All data are given in typical values under standard conditions



FICHER-001

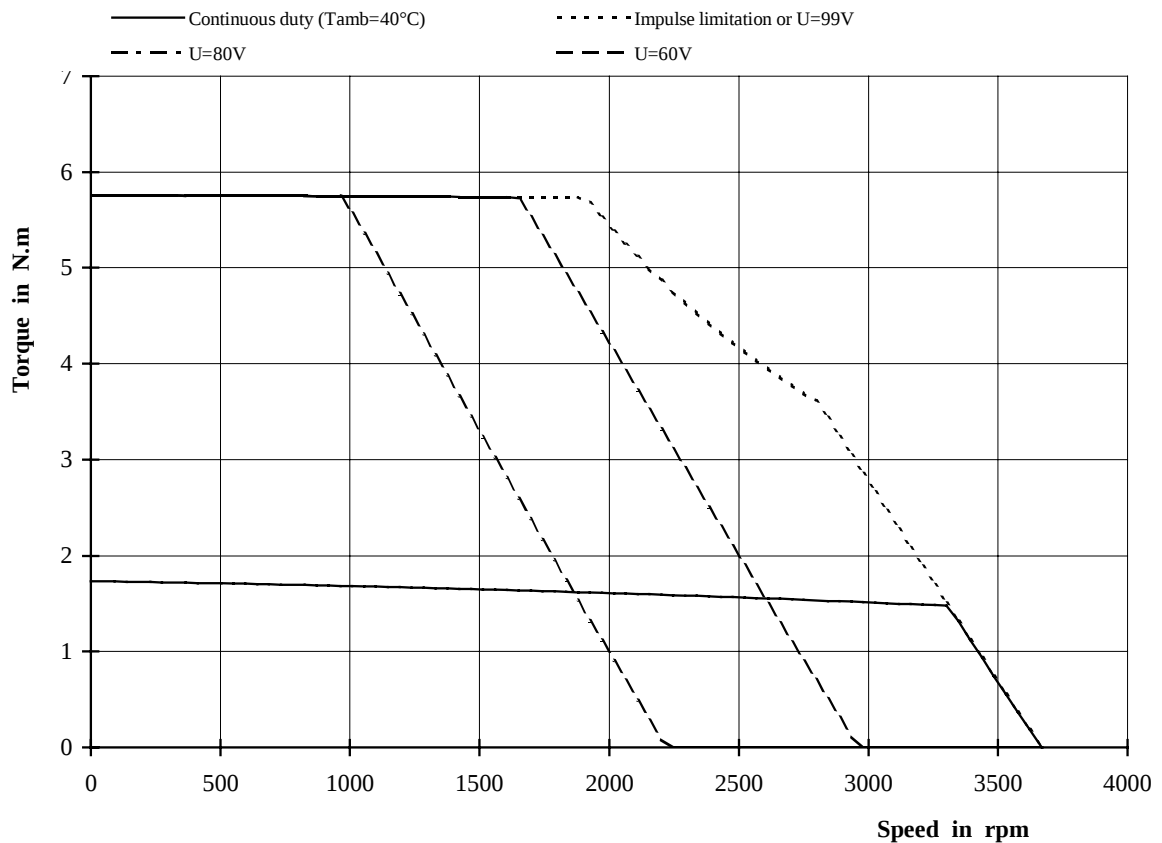
DC-SERVOMOTOR
RS440G

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	1.74	N.m	Mo
Permanent current at low speed	7	A	Io
Supply voltage with loaded motor	90	V	U
Definition speed	3000	rpm	N
Maximum supply voltage	99	V	Umax
Maximum speed	3700	rpm	Nmax
Peak current	24	A	Imax
Back emf constant at 1000 rpm (25°C)*	27	V	Ke
Torque constant	0.256	N.m/A	Kt
Static friction torque	5.9	N.cm	Tf
Viscous damping for 1000 rpm	1.13	N.cm	Kd
Winding resistance(25°C)	0.9	Ω	Rb
Winding inductance	2.2	mH	L
Rotor inertia	0.0004	kg.m ²	J
Thermal time constant	10.5	min	Tth
Motor mass	3.4	kg	M

All data are given in typical values under standard conditions



FICHER-001

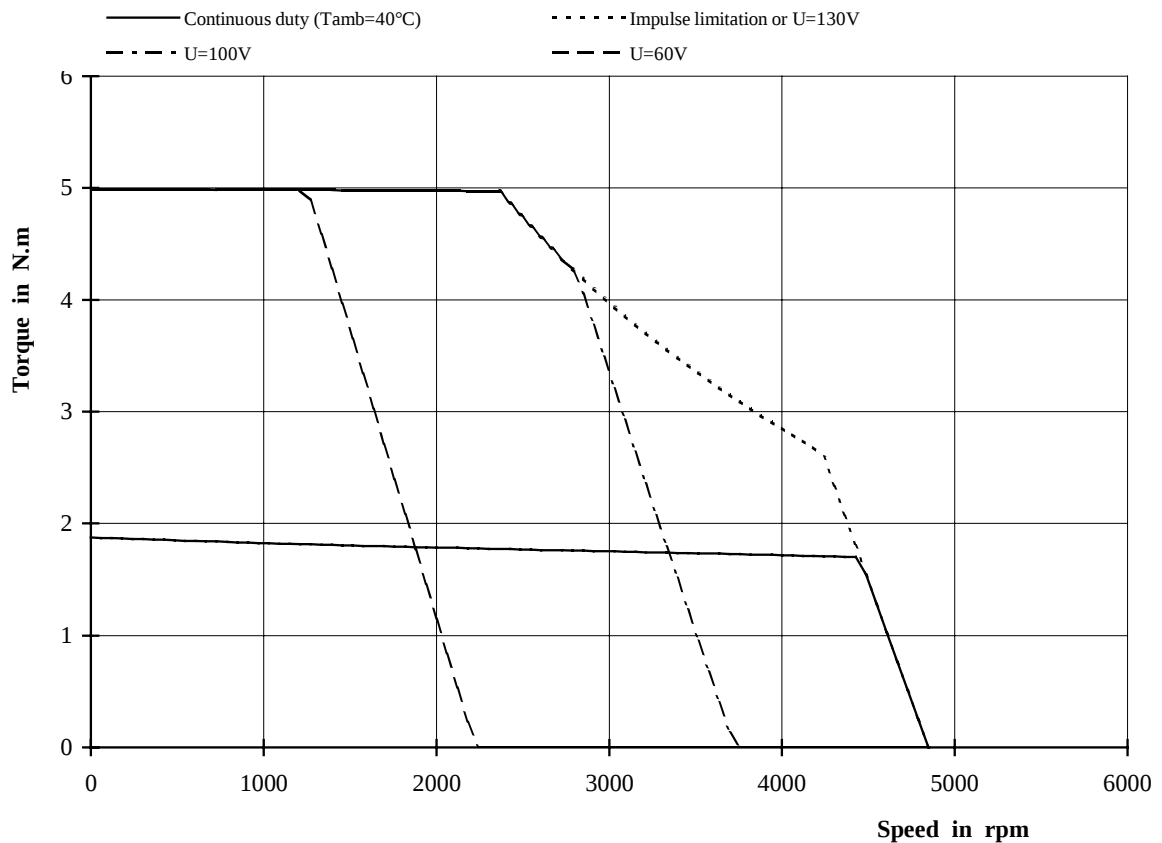
DC-SERVOMOTOR
RS510L

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	1.9	N.m	Mo
Permanent current at low speed	7.9	A	Io
Supply voltage with loaded motor	82	V	U
Definition speed	2700	rpm	N
Maximum supply voltage	130	V	Umax
Maximum speed	4850	rpm	Nmax
Peak current	21	A	Imax
Back emf constant at 1000 rpm (25°C)*	26.6	V	Ke
Torque constant	0.254	N.m/A	Kt
Static friction torque	12	N.cm	Tf
Viscous damping for 1000 rpm	0.71	N.cm	Kd
Winding resistance(25°C)	0.71	Ω	Rb
Winding inductance	3.6	mH	L
Rotor inertia	0.001	kg.m ²	J
Thermal time constant	18	min	Tth
Motor mass	5.1	kg	M

All data are given in typical values under standard conditions



FICHER-001

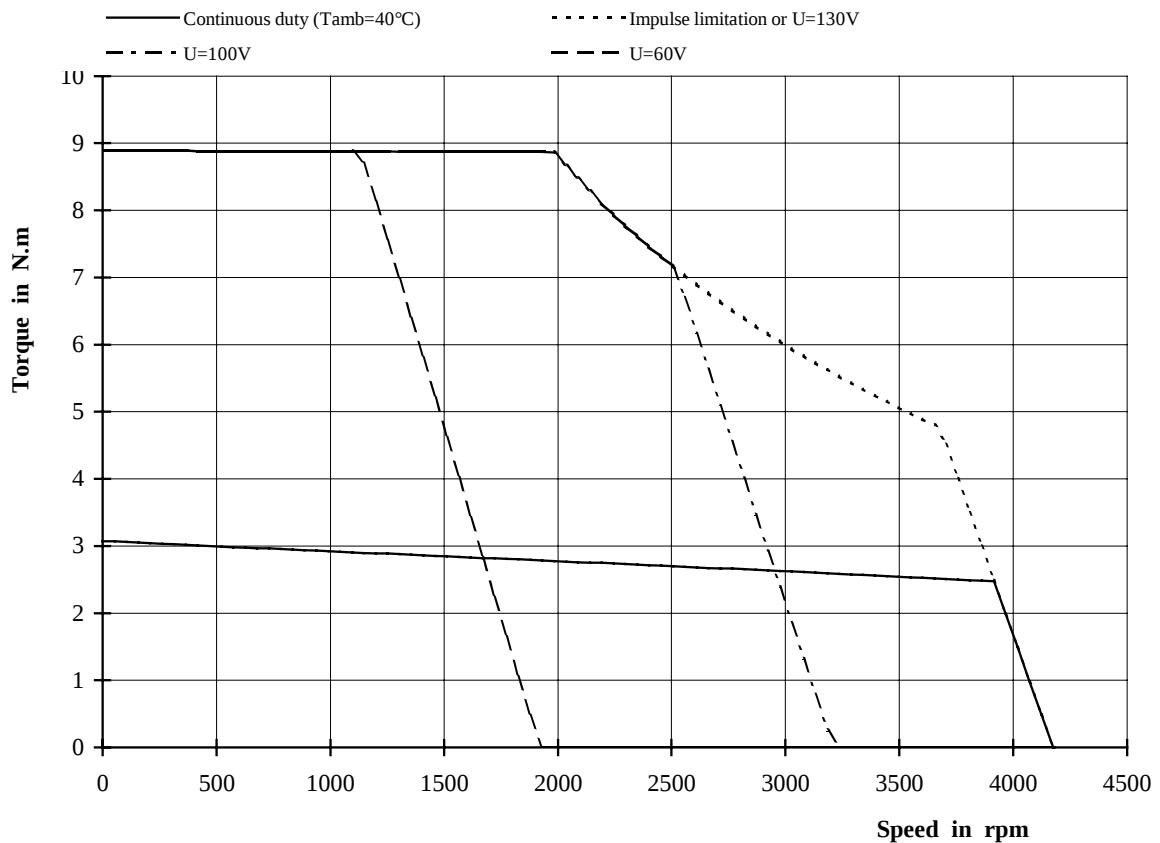
DC-SERVOMOTOR
RS520G

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	3.1	N.m	Mo
Permanent current at low speed	10.9	A	Io
Supply voltage with loaded motor	92	V	U
Definition speed	2700	rpm	N
Maximum supply voltage	130	V	Umax
Maximum speed	4200	rpm	Nmax
Peak current	32	A	Imax
Back emf constant at 1000 rpm (25°C)*	31	V	Ke
Torque constant	0.296	N.m/A	Kt
Static friction torque	13	N.cm	Tf
Viscous damping for 1000 rpm	0.92	N.cm	Kd
Winding resistance(25°C)	0.4	Ω	Rb
Winding inductance	2.34	mH	L
Rotor inertia	0.00135	kg.m ²	J
Thermal time constant	17.8	min	Tth
Motor mass	6.3	kg	M

All data are given in typical values under standard conditions



FICHER-001

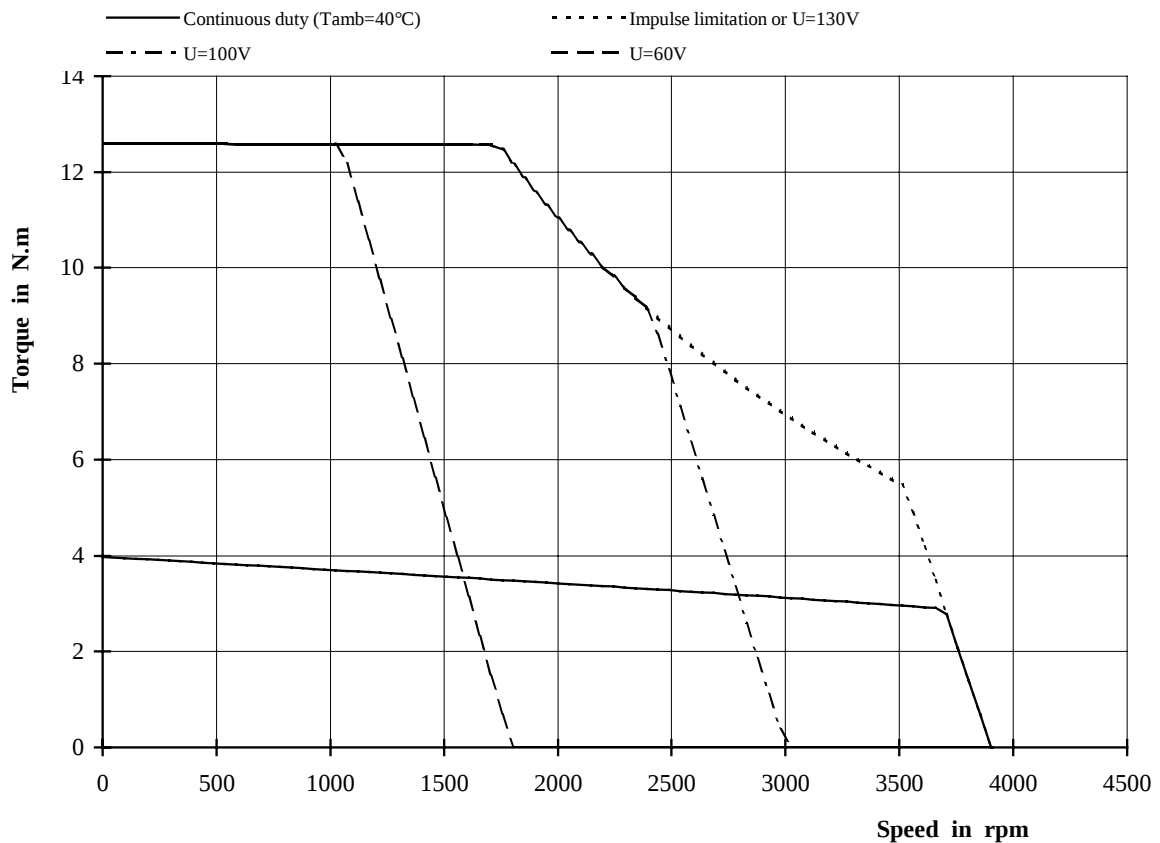
DC-SERVOMOT OR
RS530E

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	4	N.m	<i>Mo</i>
Permanent current at low speed	13	A	<i>Io</i>
Supply voltage with loaded motor	97	V	<i>U</i>
Definition speed	2700	rpm	<i>N</i>
Maximum supply voltage	130	V	<i>Umax</i>
Maximum speed	3900	rpm	<i>Nmax</i>
Peak current	42	A	<i>Imax</i>
Back emf constant at 1000 rpm (25°C)*	33	V	<i>Ke</i>
Torque constant	0.32	N.m/A	<i>Kt</i>
Static friction torque	14	N.cm	<i>Tf</i>
Viscous damping for 1000 rpm	1.13	N.cm	<i>Kd</i>
Winding resistance(25°C)	0.29	Ω	<i>Rb</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>Tth</i>
Motor mass	7.5	kg	<i>M</i>

All data are given in typical values under standard conditions



FICHER-001

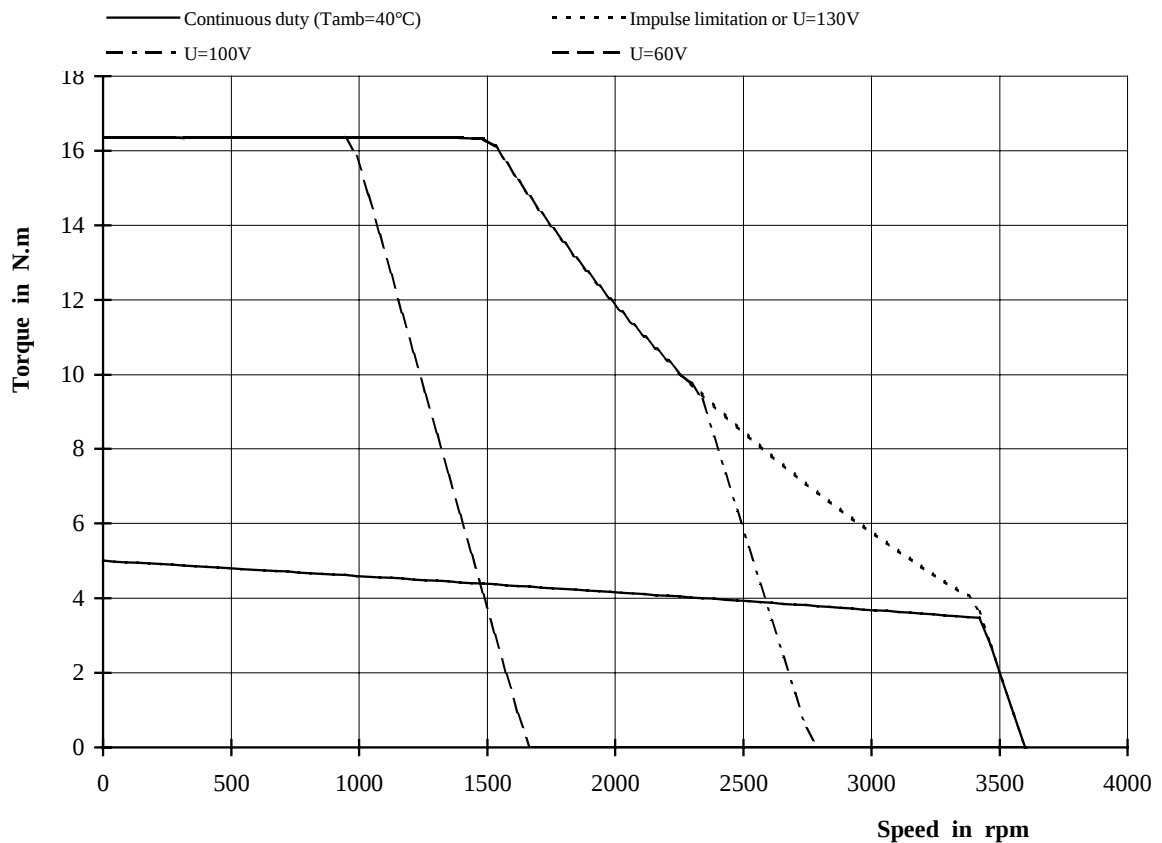
DC-SERVOMOT OR
RS540C

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	5	N.m	Mo
Permanent current at low speed	15	A	Io
Supply voltage with loaded motor	104	V	U
Definition speed	2700	rpm	N
Maximum supply voltage	130	V	Umax
Maximum speed	3600	rpm	Nmax
Peak current	50	A	Imax
Back emf constant at 1000 rpm (25°C)*	36	V	Ke
Torque constant	0.344	N.m/A	Kt
Static friction torque	15	N.cm	Tf
Viscous damping for 1000 rpm	1.34	N.cm	Kd
Winding resistance(25°C)	0.225	Ω	Rb
Winding inductance	1.5	mH	L
Rotor inertia	0.00205	kg.m ²	J
Thermal time constant	20.6	min	Tth
Motor mass	8.7	kg	M

All data are given in typical values under standard conditions



FICHER-001

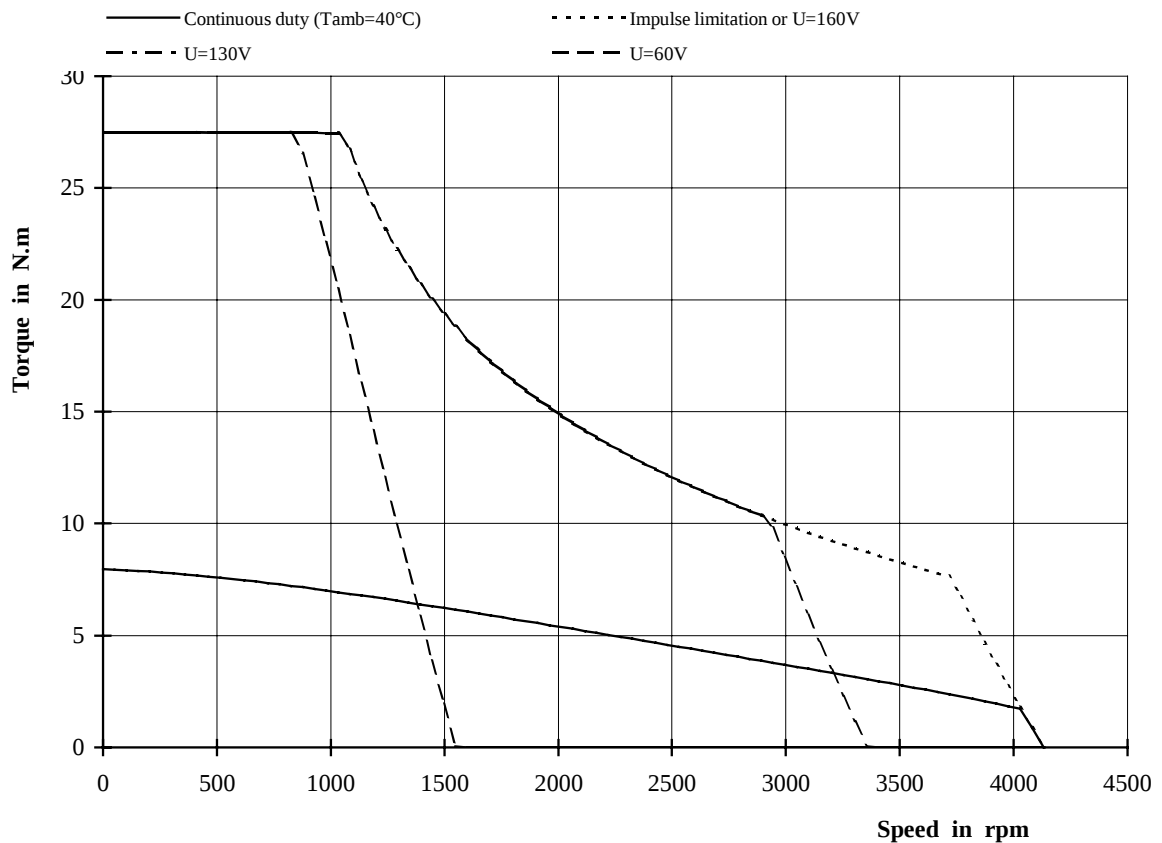
DC-SERVOMOTOR
RS620G

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	8	N.m	<i>Mo</i>
Permanent current at low speed	22.3	A	<i>Io</i>
Supply voltage with loaded motor	100	V	<i>U</i>
Definition speed	2400	rpm	<i>N</i>
Maximum supply voltage	160	V	<i>U_{max}</i>
Maximum speed	4100	rpm	<i>N_{max}</i>
Peak current	82	A	<i>I_{max}</i>
Back emf constant at 1000 rpm (25°C)*	38.5	V	<i>Ke</i>
Torque constant	0.37	N.m/A	<i>Kt</i>
Static friction torque	20	N.cm	<i>T_f</i>
Viscous damping for 1000 rpm	5	N.cm	<i>Kd</i>
Winding resistance(25°C)	0.155	Ω	<i>Rb</i>
Winding inductance	1.78	mH	<i>L</i>
Rotor inertia	0.0053	kg.m ²	<i>J</i>
Thermal time constant	26.7	min	<i>T_{th}</i>
Motor mass	11.5	kg	<i>M</i>

All data are given in typical values under standard conditions



FICHER-001

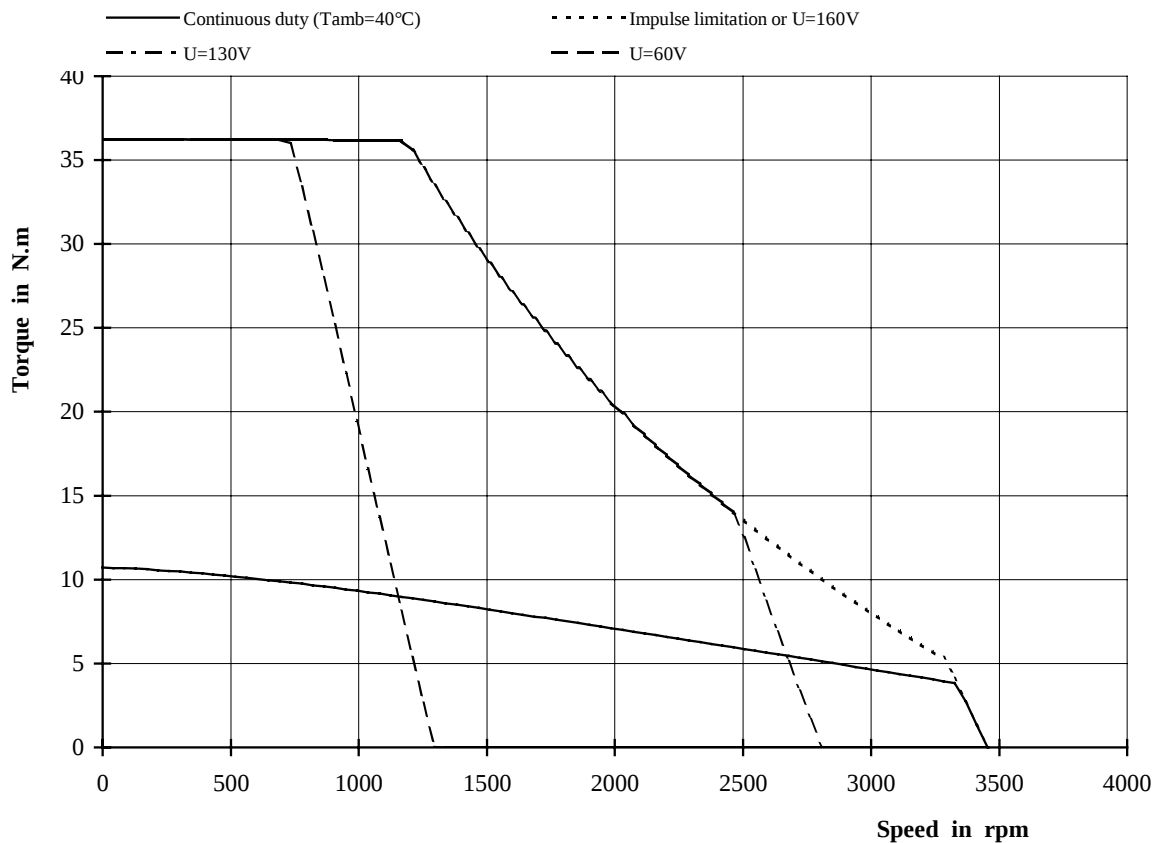
DC-SERVOMOT OR
RS630F

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	10.8	N.m	Mo
Permanent current at low speed	25	A	Io
Supply voltage with loaded motor	100	V	U
Definition speed	2000	rpm	N
Maximum supply voltage	160	V	Umax
Maximum speed	3460	rpm	Nmax
Peak current	90	A	Imax
Back emf constant at 1000 rpm (25°C)*	46	V	Ke
Torque constant	0.44	N.m/A	Kt
Static friction torque	22	N.cm	Tf
Viscous damping for 1000 rpm	6	N.cm	Kd
Winding resistance(25°C)	0.134	Ω	Rb
Winding inductance	1.62	mH	L
Rotor inertia	0.0068	kg.m ²	J
Thermal time constant	31	min	Tth
Motor mass	14	kg	M

All data are given in typical values under standard conditions



FICHER-001

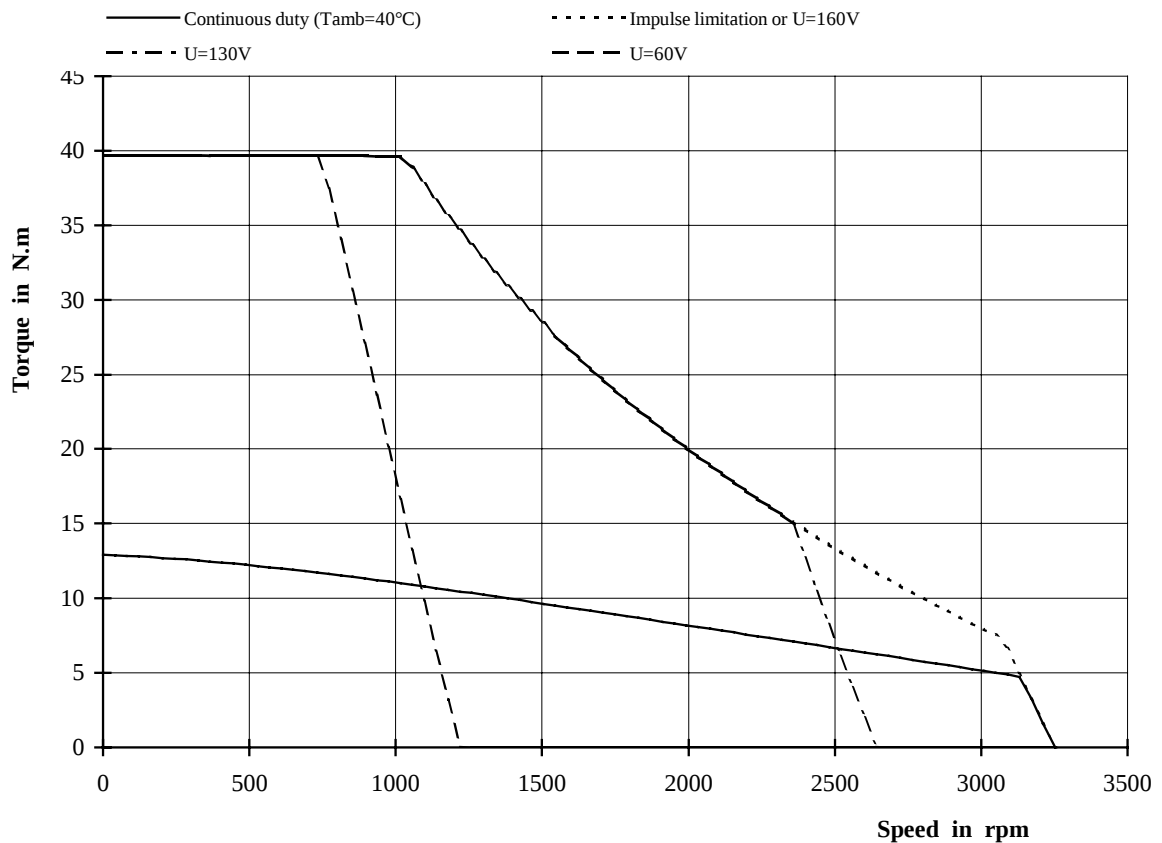
DC-SERVOMOTOR
RS640E

PARVEX

8 avenue du Lac
BP249
F-21007 DIJON Cedex

Low speed torque	13	N.m	Mo
Permanent current at low speed	28	A	Io
Supply voltage with loaded motor	105	V	U
Definition speed	2000	rpm	N
Maximum supply voltage	160	V	Umax
Maximum speed	3250	rpm	Nmax
Peak current	90	A	Imax
Back emf constant at 1000 rpm (25°C)*	49	V	Ke
Torque constant	0.47	N.m/A	Kt
Static friction torque	24	N.cm	Tf
Viscous damping for 1000 rpm	7	N.cm	Kd
Winding resistance(25°C)	0.12	Ω	Rb
Winding inductance	1.38	mH	L
Rotor inertia	0.0083	kg.m ²	J
Thermal time constant	32.7	min	Tth
Motor mass	16.3	kg	M

All data are given in typical values under standard conditions



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