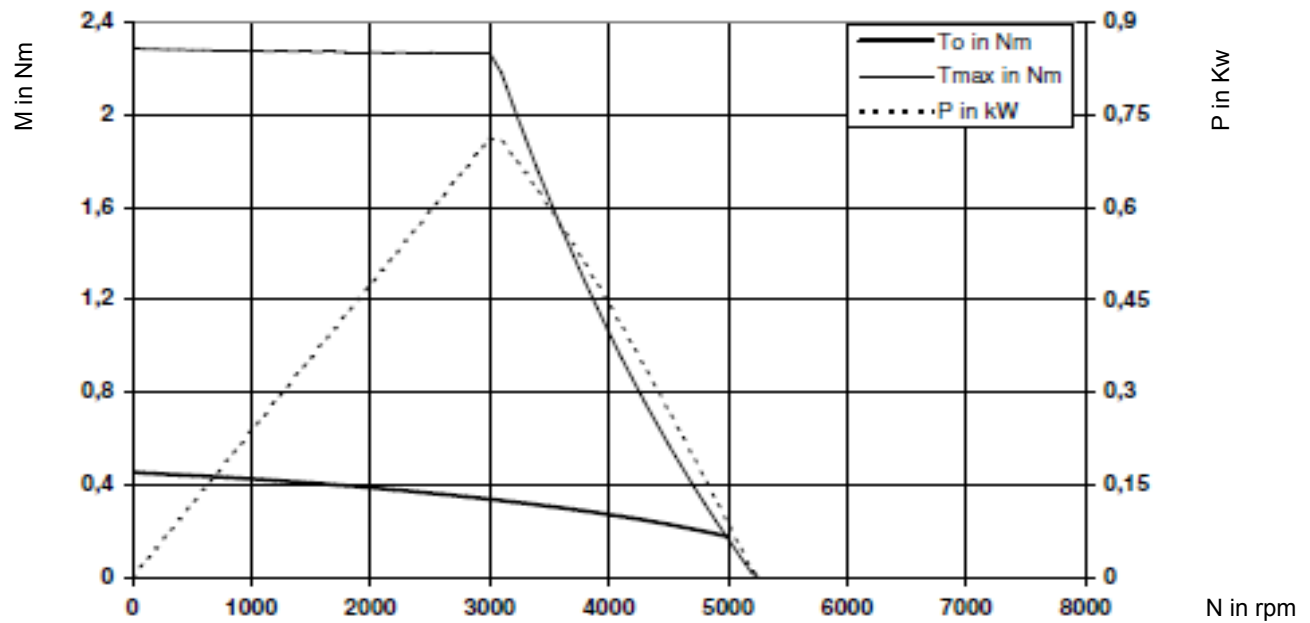


Ultra High Vacuum Motors

MSSV-055x-045x-048x



DC link voltage	U _{dc}	/	48	V
Torque constant	K _t	/	8.66	Ncm/A
Voltage constant	K _e	/	9.07	V/krpm
Ambient temperature	θ _u	/	40	°C
Max winding temperature	θ _{max}	/	140	°C
Thermal resistance	R _{th}	/	4.88	K/W (air cooled)
Peak torque	M _{max}	/	2.3	Nm
Peak current	I _{max}	/	21.5	A _{eff}
Continuous torque	M _o	/	45.8	Ncm
Continuous current	I _o	/	4.4	A _{eff}
No load speed	n _o	/	5280	min ⁻¹
Nominal torque	M _n	/	17.8	Ncm
Nominal current	I _n	/	2.0	A _{eff}
Nominal speed	n _n	/	5000	min ⁻¹
Terminal resistance	R _{tt}	/	0.48	Ω ±7%
Terminal inductance	L _{tt}	/	0.5	mH ±20%
Electrical time constant	τ _e	/	1.0	ms ±27%
Number of poles	p	/	4	

All tolerances M, I, n are ± 10%
 Given temperatures according to insulation class F
 M_{max} is limited by I_{max}