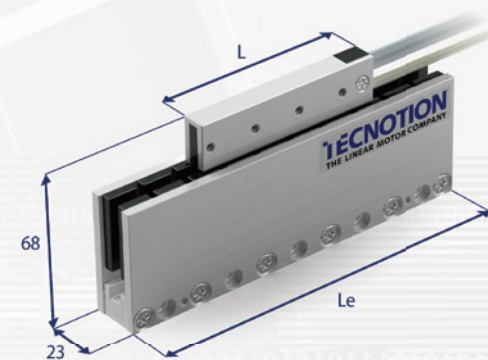


Parameter	Remarks	Symbol	Unit	UMX3		UMX6		UMX9		UMX12	
				N	S	N	S	N	S	N	S
Winding type				N	S	N	S	N	S	N	S
Motor type, max. voltage ph-ph				3-phase synchronous Ironless, 300Veff							
Peak Force (temp. rise 20°C/s)	magnet 25°C	F_p	N	110		220		330		440	
Peak Current		I_p	A_{rms}	2.7	4.9	5.4	9.8	8.1	14.7	10.8	19.5
Continuous Force*	coils @110°C	F_c	N	33		66		99		132	
Maximum Continuous Current	coils @110°C	I_c	A_{rms}	0.8	1.5	1.6	2.9	2.4	4.4	3.2	5.8
Max. Continuous Power loss	All coils	P_c	W	49		98		146		195	
Maximum speed	@300V	v_{max}	m/s	9	16	9	16	9	15	9	15
Motor Force Constant		K	N/A_{rms}	40.9	22.5	40.9	22.5	40.9	22.5	40.9	22.5
Back EMF phase-phase peak		B_{emf}	V / m/s	33	18	33	18	33	18	33	18
Motor Constant	coils @25°C	S	N^2/W	30		60		90		121	
Magnet Pitch NN		τ	mm	30		30		30		30	
Resistance per phase	coils @25°C	R_f	Ω	18.5	5.5	9.3	2.8	6.2	1.8	4.6	1.4
Induction per phase		L_f	mH	6	1.8	3	0.9	2	0.6	1.5	0.4
Electrical time constant	coils @25°C	τ_e	ms	0.35		0.35		0.35		0.35	
Thermal Resistance		R_{th}	°C/W	1.8		0.90		0.60		0.45	
Motor Attraction Force		F_a	N	0		0		0		0	
Coilunit length	Ex cable	L	mm	78		138		198		258	
Coilunit weight		M	gr	84		162		240		318	
Cable mass		m	gr/m	80		80		80		80	
Temperature Sensor				PTC 1k Ω and NTC							

* Depends on application: cooling surface, air speed and ambient temperature



Magnet yoke dimensions

Le (mm)	120 mm
M4bolts	4
Mass (kg/m)	5.3

Magnet yokes can be butted together.

All specifications $\pm 10\%$