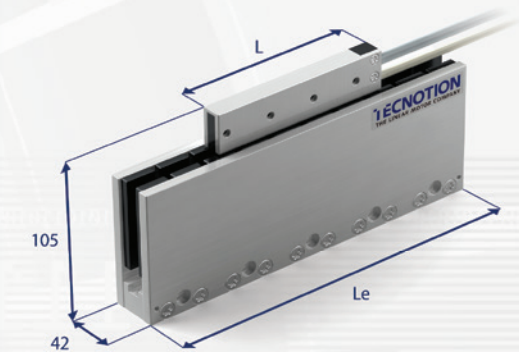


Parameter	Remarks	Symbol	Unit	ULX3		ULX6		ULX9		ULX12		ULX15	
Winding type				N	S	N	S	N	S	N	S	N	S
Motor type, max voltage ph-ph				3-phase synchronous Ironless, 300Veff									
Peak Force (temp. rise 20°C/s)	magnet @25°C	F_p	N	312		624		936		1248		1560	
Peak Current	magnet @25°C	I_p	A_{rms}	3,55	8,9	7,2	17,6	10,7	27	14,5	35	17,8	44
Continuous Force *	coils @110°C	F_c	N	91		181		272		362		450	
Maximum Continuous Current	coils @110°C	I_c	A_{rms}	1,03	2,57	2,10	5,1	3,09	7,7	4,2	10,2	5,2	12,8
Maximum Continuous Power Loss	all coils	P_c	W	71		142		212		283		354	
Maximum Speed	@ 300 V	v_{max}	m/s	4	9	4	9	4	9	4	9	4	9
Motor Force Constant	motor @25°C	K	N/A	87,8	35,2	86,2	35,4	87,8	35,2	86,2	35,4	87,8	35,2
Back EMF phase-phase peak		B_{emf}	Vdc / m/s	72	29	70	29	72	29	70	29	72	29
Motor Constant		S	N^2/W	155		310		465		620		775	
Magnet Pitch NN		τ	mm	42		42		42		42		42	
Resistance per phase	coils @25°C	R_{ph}	W	16,6	2,6	8,0	1,33	5,5	0,88	4,0	0,66	3,3	0,53
Induction per phase		L_f	mH	10	1,6	5	0,8	3	0,5	2	0,4	2	0,3
Electrical Time Constant	coils @25°C	τ_e	ms	0,6		0,6		0,6		0,6		0,6	
Thermal Resistance		R_{th}	°C/W	1,2		0,6		0,4		0,3		0,2	
Thermal Time Constant	minimum	τ_{th}	s	72		72		72		72		72	
Motor Attraction Force		F_a	N	0		0		0		0		0	
Coilunit lenght		L	mm	106		190		274		358		442	
Coilunit weight	Ex. cables	M	gr	250		470		690		910		1130	
Cable mass		m	gr/m	90		90		90		105		105	
Temperature Sensors				PTC 1kΩ and NTC									

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



Magnet yoke dimensions

Le (mm)	126 mm
M6 bolts	3
Mass (kg/m)	17.9

Magnet yokes can be butted together.

All specifications ±10%