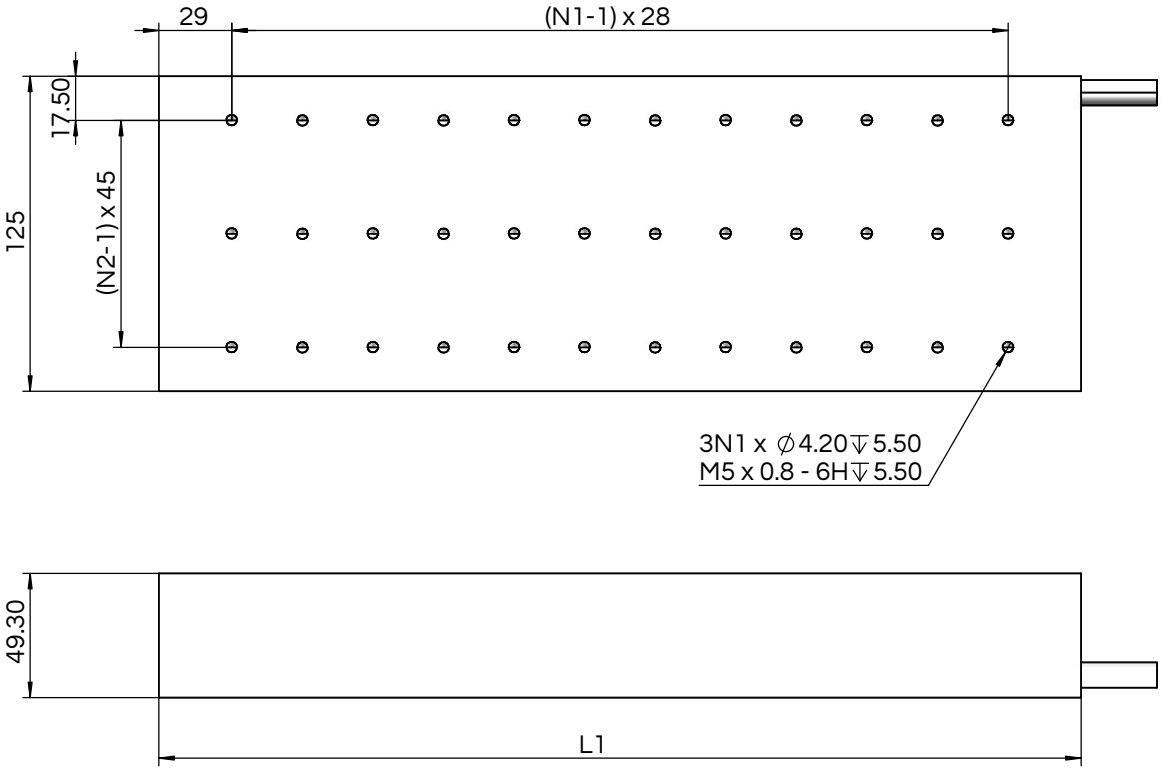
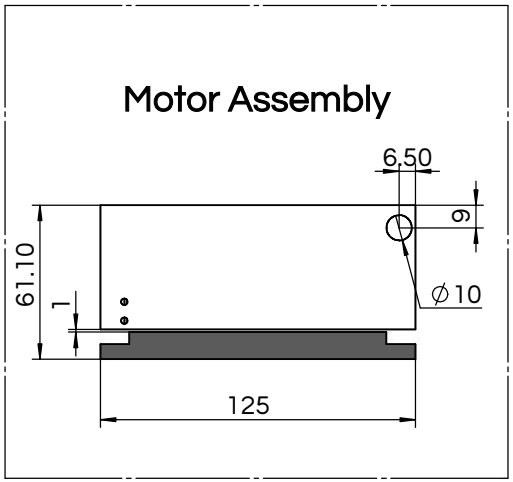




Technical data	Unit	TKM125-S1 Series	TKM125-S2 Series	TKM125-S4 Parallel	TKM125-S6 Parallel
Peak force	N	992.2	1852.4	3658.6	5557.2
Continuous force	N	451	842	1663	2526
Motor constant at T_max	N/Sqrt(w)	33.2	43.9	61.3	80.9
Winding code	-	S1	S2	S4	S6
Peak current	Arms	14.4	14.4	28.8	43.2
Continuous current	Arms	4.8	4.8	9.6	13.7
Maximum continuous power dissipation	W	184.3	368.5	737.1	975.7
Resistance	Ω	4	8	4	2.6
Inductance	mH	79	165	84	50
Back EMF constant	Vpeak/(m/s), L-L	76.1	142.1	140.3	149.3
Force constant	N/Arms	94	175.4	173.2	184.4
Electrical time constant	ms	19.8	20.6	21	19.2
Max. DC bus voltage	V	600	600	600	600
Attraction force	kN	1.3	2.7	5.4	8.1
Magnetic period	mm	42	42	42	42
Weight of forcer	kg	4	7	12.85	19.5
Length of forcer	mm	114	198	366	534
Unit mass of stator	kg/m	8.6	8.6	8.6	8.6
Stator length	mm	168/252/420			
Insulation class	-	B			
Protection class	-	IP56			
Operating temperature	℃	0 to 60			
Storage temperature	℃	-15 to 70			

Note:
1.Specifications are measured at an ambient temperature of 25°C and depend on the heat dissipation conditions.
2.Resistance is measured with DC current and includes a standard cable length of 0.5 m.
3.Inductance is measured at a frequency of 1 kHz.
4.Specifications are subject to change without prior notice.
5.Standard cable lengths: 0.5 m and 3 m. Custom lengths on request.

Forcer	Dimensional Variations		
	L_1	N_1	N_2
TKM125-S1	114	3	3
TKM125-S2	198	6	3
TKM125-S4	366	12	3
TKM125-S6	534	18	3

Wiring Definition	Installation Instructions	Maintenance Instructions

ITEM	DATE	MODIFIED	DESCRIPTION	APPD

	SCALE	UNIT					Model	TKM125-S1/S2/S4/S6			
	1:X	mm					Desc	Forcer unit			
	GENERAL TOLERANCE						Surface			DRN	Tang
	Up to 6	6 to 30	30 to 120	120 to 300	300 to 600		DWG.NO			CHK	Chen
	±0.1	±0.2	±0.3	±0.4	±0.5		Sheet	1-1		APPD	Le
TKOOLLE MOTION CONTROL INTERNATIONAL CO.,LIMITED									DATE	17-Jul-25	