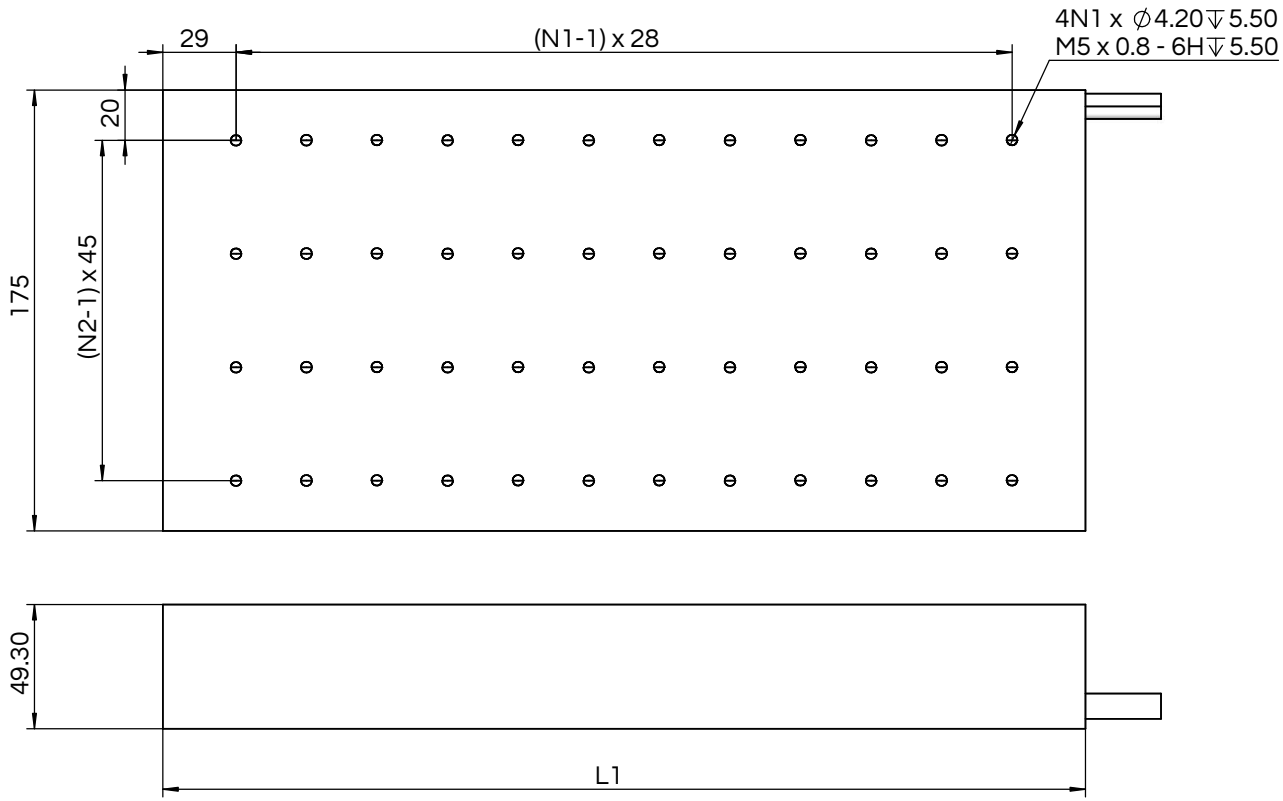
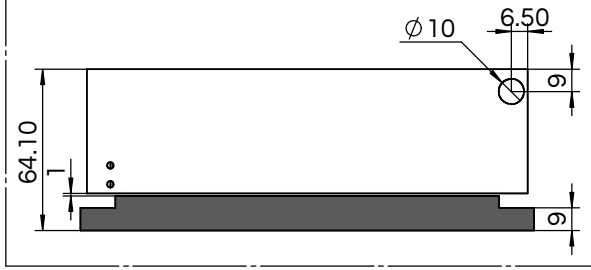


Technical data	Unit	TKM175-S4 Parallel	TKM175-S6 Parallel	TKM175-S8 Parallel
Peak force	N	5082	7625	10166.2
Continuous force	N	2310	3466	4621
Motor constant at T_max	N/Sqrt(w)	75.4	97	107.7
Winding code	-	S4	S6	S8
Peak current	Arms	28.8	43.2	43.2
Continuous current	Arms	9.6	13.7	19.2
Maximum continuous power dissipation	W	939.7	1275.9	1842.6
Resistance	Ω	5.1	3.4	2.5
Inductance	mH	108	72	53
Back EMF constant	Vpeak/(m/s), L-L	194.9	204.9	194.9
Force constant	N/Arms	240.6	253	240.7
Electrical time constant	ms	21.2	21.2	21.2
Max. DC bus voltage	V	600	600	600
Attraction force	kN	8	12	12
Magnetic period	mm	42	42	42
Weight of forcer	kg	20.2	28	39.4
Length of forcer	mm	366	534	702
Unit mass of stator	kg/m	15.2	15.2	15.2
Stator length	mm	168/252/420		
Insulation class	-	B		
Protection class	-	IP56		
Operating temperature	°C	0 to 60		
Storage temperature	°C	-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.

Motor Assembly



Forcer	Dimensional Variations		
	L_1	N_1	N_2
TKM175-S4	366	12	4
TKM175-S6	534	18	4
TKM175-S8	702	24	4

Wiring Definition	Installation Instructions	Maintenance Instructions

ITEM	DATE	MODIFIED	DESCRIPTION	APPD

SCALE	UNIT		Model	TKM175-S4/S6/S8	
1:X	mm		Desc	Forcer unit	
GENERAL TOLERANCE			Surface		DRN Tang
Up to 6	6 30	30 120	120 300	300 600	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