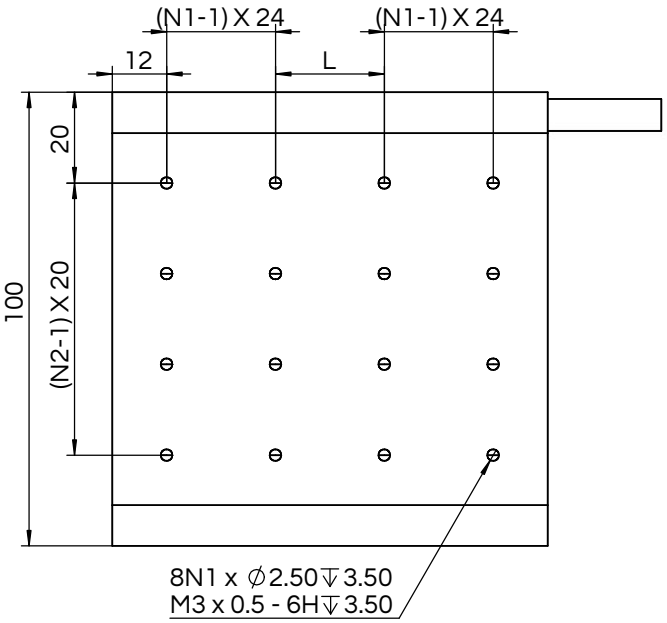
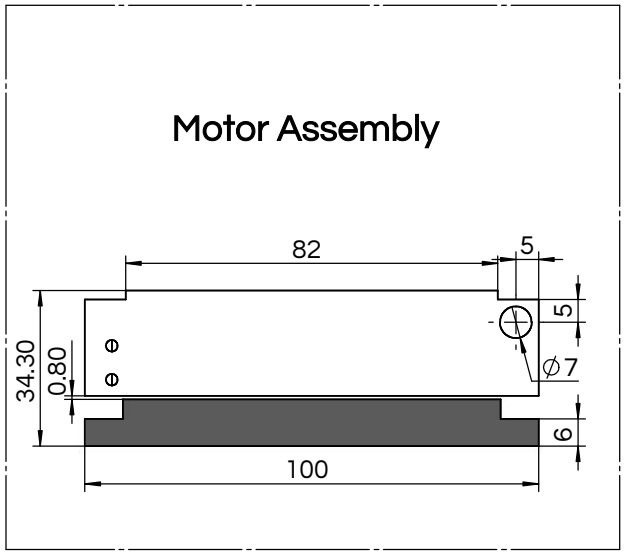
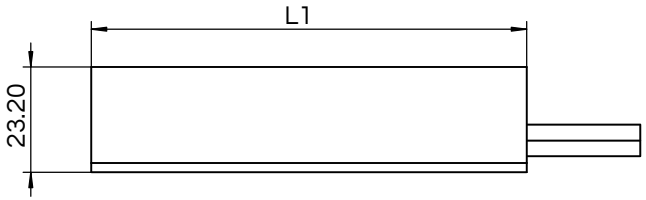






Forcer	Dimensional Variations			
	L	L_1	N_1	N_2
TJM100-S2	24	96	2	4
TJM100-S4	56	176	3	4

Technical data	Unit	TJM100-S2 Series	TJM100-S4 Parallel
Peak force	N	591	1230
Continuous force	N	197	410
Motor constant at T_max	N/Sqrt(w)	16.3	24
Winding code	-	S2	S4
Peak current	Arms	9	18
Continuous current	Arms	2.3	4.6
Maximum continuous power dissipation	W	146	291.9
Resistance	Ω	13.8	6.9
Inductance	mH	57	28
Back EMF constant	Vpeak/(m/s), L-L	69.4	72.2
Force constant	N/Arms	85.7	89.1
Electrical time constant	ms	4.1	4.1
Max. DC bus voltage	V	600	600
Attraction force	kN	0.97	1.94
Magnetic period	mm	20	20
Weight of forcer	kg	1.2	2.3
Length of forcer	mm	96	176
Unit mass of stator	kg/m	7	7
Stator length	mm	80/200/400	
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.

Wiring Definition	Installation Instructions	Maintenance Instructions

ITEM	DATE	MODIFIED	DESCRIPTION	APPD

	SCALE	UNIT						Model	TJM100-S2/S4				
	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		