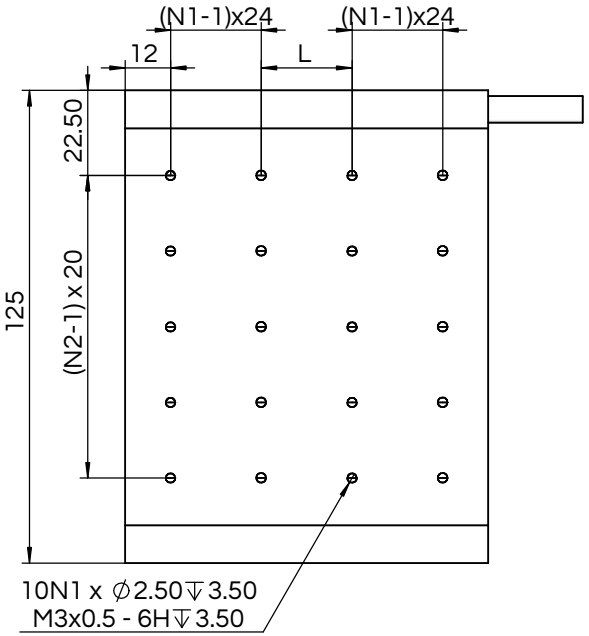
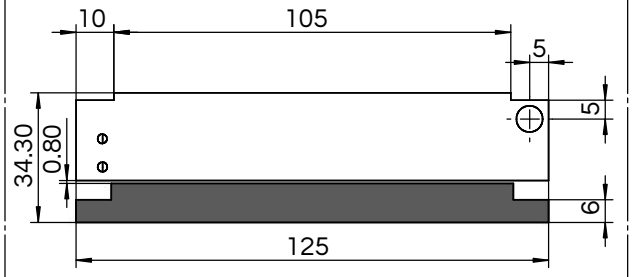
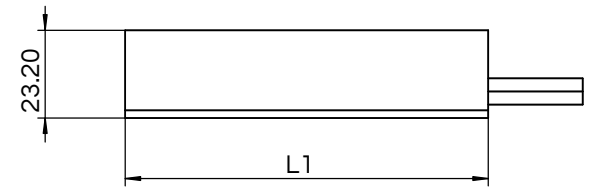


Motor Assembly





Forcer	Dimensional Variations			
	L	L_1	N_1	N_2
TJM125-S2	24	96	2	5
TJM125-S4	56	176	3	5

Technical data	Unit	TJM125-S2 Series	TJM125-S4 Parallel
Peak force	N	801	1515
Continuous force	N	267	505
Motor constant at T_max	N/Sqrt(w)	19.9	26.6
Winding code	-	S2	S4
Peak current	Arms	9	18
Continuous current	Arms	2.3	4.6
Maximum continuous power dissipation	W	179.8	359.6
Resistance	Ω	17	8.5
Inductance	mH	69	35
Back EMF constant	Vpeak/(m/s), L-L	94	88.9
Force constant	N/Arms	116.1	109.8
Electrical time constant	ms	4.1	4.1
Max. DC bus voltage	V	600	600
Attraction force	kN	1.25	1.94
Magnetic period	mm	20	20
Weight of forcer	kg	1.5	2.9
Length of forcer	mm	96	176
Unit mass of stator	kg/m	8.8	8.8
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	TJM125-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