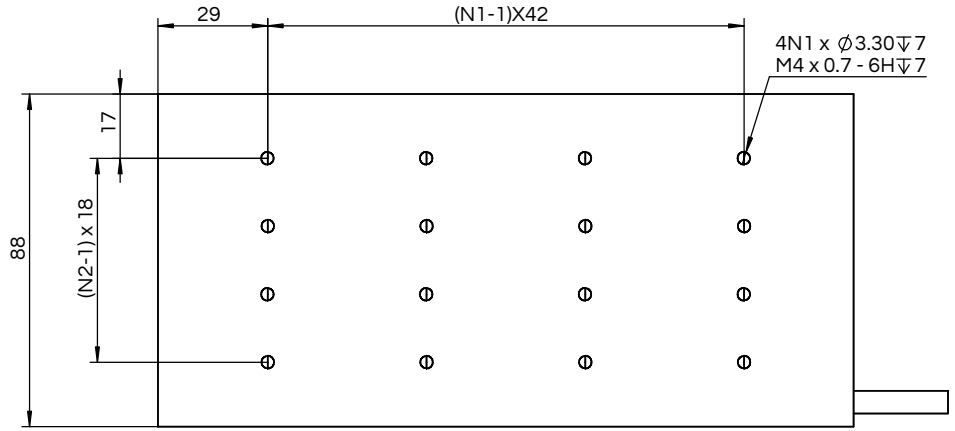
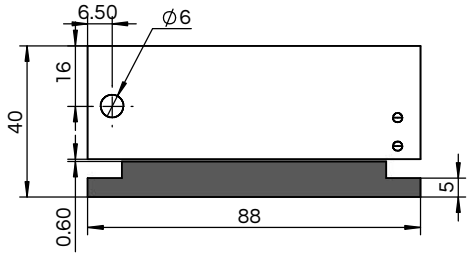




Technical data	Unit	TPM88-S1		TPM88-S2	TPM88-S3
		Series	Parallel	Parallel	Parallel
Peak force	N	580.2	580.2	1131	1701
Continuous force	N	193.4	193.4	377	567
Motor constant at T_max	N/Sqrt(w)	15.8	15.7	21.3	27
Winding code	-	S1	S1	S2	S3
Peak current	Arms	9	18	18	18
Continuous current	Arms	2.3	4.6	4.6	4.6
Maximum continuous power dissipation	W	150.2	152.3	313.1	440
Resistance	Ω	14.2	3.6	7.4	10.4
Inductance	mH	63	16	31	44
Back EMF constant	Vpeak/(m/s), L-L	67.3	33.6	65.6	98.6
Force constant	N/Arms	84.1	42	82	123.3
Electrical time constant	ms	4.4	4.4	4.2	4.2
Max. DC bus voltage	V	330	330	330	330
Attraction force	kN	0.9	0.9	1.8	2.7
Magnetic period	mm	24	24	24	24
Weight of forcer	kg	1.36	1.36	2.54	3.77
Length of forcer	mm	100	100	184	268
Unit mass of stator	kg/m	5.3	5.3	5.3	5.3
Stator length	mm	96/144/288			
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
TPM88-S1	100	2	4
TPM88-S2	184	4	4
TPM88-S3	268	6	4

Wiring Definition	Installation Instructions	Maintenance Instructions

ITEM	DATE	MODIFIED	DESCRIPTION	APPD

	SCALE	UNIT					Model	TPM88-S1/S2/S3			
	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		