

Servo Shaft _ 09 series Actuator and Component

Force

- Peak: 17-42N
- Continuous: 6-14N

Maximum Velocity

- Up to 3m/s

Built-in Feedback

- Can built-in position sensor

Range of motion

- 5mm-500mm



09 Series Electrical Specification:

Parameters	Unit	SLM0904	SLM0905	SLM0906	SLM0907	SLM0908	SLM0909	SLM0910
Peak force	N	16.8	21	25.2	29.4	33.6	37.8	42
Continuous Stall force	N	5.6	7.0	8.4	9.8	11.2	12.6	14.0
Peak current	A	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Continuous Stall current	A	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Force constant	N/Arms	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Back EMF constant	Vpk/m/s	3.3	4.1	4.9	5.7	6.6	7.4	8.2
Max stroke	mm	500	485	470	455	440	425	410
Forcer W*H*L	mm	27*27*70	27*27*85	27*27*100	27*27*115	27*27*130	27*27*145	27*27*160
Rod diameter	mm	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Inductance (phase to phase)	mH	0.58	0.72	0.86	1.02	1.16	1.3	1.44
Resistance (phase to phase)	omiga	3.2	4	4.8	5.6	6.4	7.2	8
Pole pitch	mm	30	30	30	30	30	30	30

* Parameters tolerance: 10%

09 SERIES OUTLINE DRAWINGS (Unit: mm)

