	SX100D		SX100T		SX100Q	
Electrical Specs	SX100D-X0	SX100D-DC-X0	SX100T-X0	SX100T-DC-X0	SX100Q-X0	SX100Q-DC-X0
Continuous Force ¹	4.7N (1.06lbs)	4.5N (1.01lbs)	6.8N (1.52lbs)		8.9N (2.00lbs)	8.8N (1.97lbs)
Continuous Current ¹	0.46Arms	1.1Arms	0.46Arms	1.1Arms	0.45Arms	2.2Arms
Acceleration Force ²	19N (4.24lbs)	18N (4.06lbs)	27N (6	.09lbs)	36N (7.98lbs)	35N (7.88lbs)
Acceleration Current ²	1.8Arms	4.3Arms	1.8Arms	4.3Arms	1.8Arms	8.9Arms
Force Constant (K _f)	10.3N/Arms (2.31lbs/amp)	4.2N/Arms (0.94lbs/amp)	14.8N/Arms (3.32lbs/amp)	6.2N/Arms (1.40lbs/amp)	19.8N/Arms (4.45lbs/amp)	3.9N/Arms (0.89lbs/amp)
Back EMF (K _e)	3.4V/m/s (135.0V/in/s)	1.4V/m/s (54.6V/in/s)	4.9V/m/s (193.9V/in/s)	2.1V/m/s (81.9V/in/s)	6.6V/m/s (260.1V/in/s)	1.3V/m/s (51.8V/in/s)
Resistance 25°C³	18Ω	2.8Ω	25Ω	4.2Ω	33Ω	1.5Ω
Inductance ³	3.5mH	0.5mH	5.1mH	0.8mH	6.8mH	0.3mH
Magnetic Pitch (North-North)	36mm					

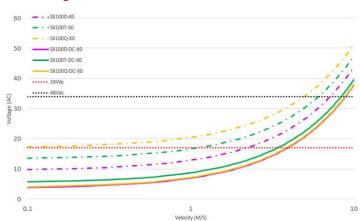
Is this the proper Linear Shaft Motor for your application? Use our SMART sizing program to assist in your decision.

This motor can be customized to fit your application demands; contact your application engineer for more information.

³ All winding parameters listed are measured line-to-line (phase-to-phase).



Bus Voltage



Part Numbering System

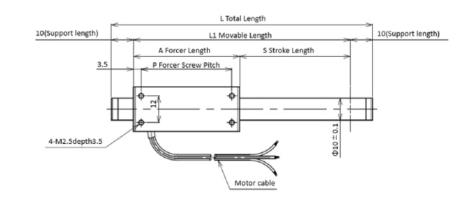


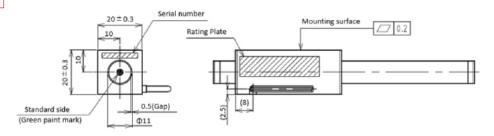
¹ Based on a temp rise of coil surface of 110°K over 25°C ambient temperature stalled forcer, and no external cooling or heat sinking.

² Can be maintained for a maximum of 40 seconds. Higher forces and current possible for short periods of time, contact Nippon Pulse for more information.

Forcer Specs	SX100D	SX100T	SX100Q		
Forcer Length (A)	48mm (1.89in)	66mm (2.60in)	84mm (3.31in)		
Forcer Width	20mm (0.79in)				
Forcer Screw Pitch (P)	41mm (1.61in)	59mm (2.32in)	77mm (3.03in)		
Forcer Weight	0.051kg (0.112lbs)	0.063kg (0.139lbs)	0.082kg (0.181lbs)		
Gap	0.50mm (0.02in)				
Screw	M2.5				

Tolerances are as follows:					
Dimension (mm)	Tolerance (mm)				
0 - 6	±0.1				
7 - 30	±0.2				
31 - 120	±0.3				
121 - 315	±0.5				
316 - 1000	±0.8				
1001 - 2000	±1.2				
2000 -	±1.5				
L = See Shaft Length					
L1 = Usable Stroke + A					
L2 = See Support Length					
A = See Forcer Length					
P = See Forcer Screw Pitch					
Unless otherwise specified,					
dimensions are in mm					





Note: Metric units guaranteed. Imperial (United States customary) units are calculated.