

FEATURES

Unit includes:

- closed loop servo motor, external servo amplifier and control
- rodless actuator with recirculating ball screw and profile rail.
- actuator can be mounted from above or below.
- external amplifier (SCLT6) and built-in amplifier (SCLT4)

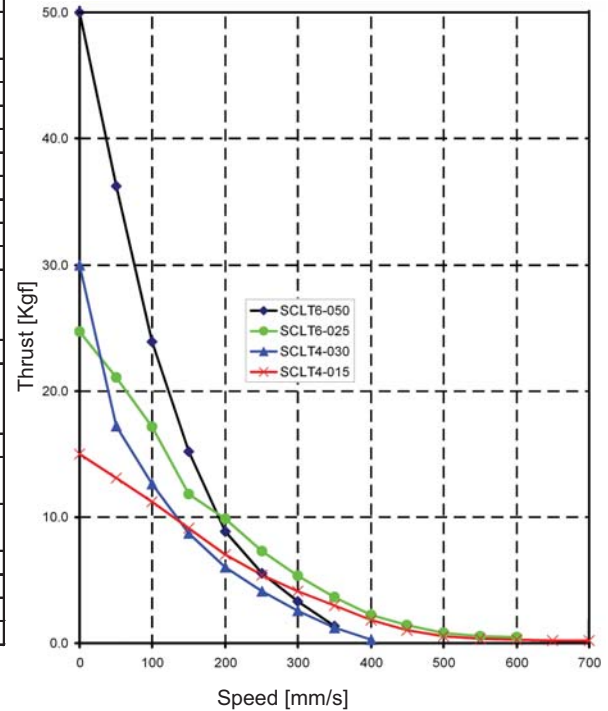
Specifications

MODEL	SCLT4-015 -XXX S	SCLT4-030 -XXX S	SCLT6-025 -XXX B	SCLT6-050 -XXX B
Amplifier	Built-in to actuator		External	
Stroke (mm)	50 / 100 / 150 / 200 / 300 / 400 / 500		50 / 100 / 150 / 200 / 300 / 400 / 500 / 600 / 700	
Max. Thrust (N) / (kgf)	150 / 15	300 / 30	250 / 25	500 / 50
Max. carriable wt at pwr ON (kg)	1.5	2.5	4	6
Push mode max. Thrust (N)/(kgf)	105 / 10.5	210 / 21	175 / 17.5	350 / 35
Ball screw lead (mm)	12	6	12	6
Max. Speed (mm/s) * note 1	700 (680mm/s for 500mm stroke)	400 (340mm/s for 500mm stroke)	600 (500mm/s for 700mm stroke)	350 (600mm: 340mm/s) (700mm: 250mm/s)
Repeatability (mm) * note 2	± 0.2	± 0.2	± 0.2	± 0.2
Backlash (mm)	0.1	0.1	0.1	0.1
Max. Hor Load weight (kg)	5	10	16	16
Max. vertical load (kg)	1.5	2.5	4	4
Load moment (Nm / kgf-cm) *3	Mp=12 / 120, My=12 / 120, Mr=31 / 310		Mp=25.7 / 257, My=25.7 / 257, Mr=58 / 580	
Overhang length (mm)	100 or less			
Program Capacity	16 Positions			
Power Supply	DC24V ± 10% (Drive Power max. 2.0 Amps, Control power max. 0.2A)			
Life	3 years after delivery, or 10,000 km operation when used within all specs.			
I/O	Parallel Input	Names DC24V type Digital Input Interface Position select bits (4 bit binary coded decimal: PC1,PC2,PC4,PC8) Start (CSTR), Movement Interlock (ILK)		
		Input current	Max. 4mA / port, NPN Only	Max. 4mA / port, PNP Standard
	Parallel Output	Names DC24V type Digital Output Interface Completed Position Number (4bit binary: PM1,PM2,PM4,PM8) : (SCLT6 Only) Homed signal (ZFIN), Zone signal(ZONE), Alarm (ALM), Position complete (PFIN/INP)		
		Output current	Max. 10mA / port, NPN Only	Max. 10mA / port, PNP Standard
	Serial Signal	Serial Interface (Connector SIO) +5V, 0V, S+, S-, ASCII Protocol Freely Available		
Protection function	Over speed, Main power over voltage, abnormal voltage, Overload, Sensor abnormal, Servo abnormal, Encoder wire disconnected			
Ambience	Operate Temperature	0 ~ 40°C		
	Storage Temperature	-20 ~ 60°C		
	Opere/Storage Humidity	≤ 90% RH, non-condensing		
Weight (kgs)	1.42/1.53/1.64/1.74/1.96/2.18/2.29/2.4		2.7 / 2.9 / 3.1 / 3.3 / 3.7 / 4.1 / 4.5 / 5.0 / 5.4	

Notes: (*1) Typical data, (*2) Always same direction positioning, (*3) Please consider the actual moments as accumulated load.

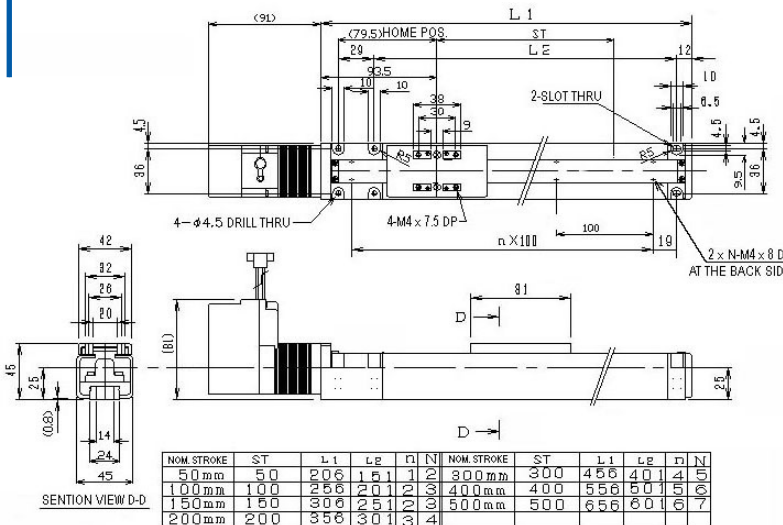


Thrust-Speed Curve



Dimensions

SCLT4 Model



SCLT6 Model

