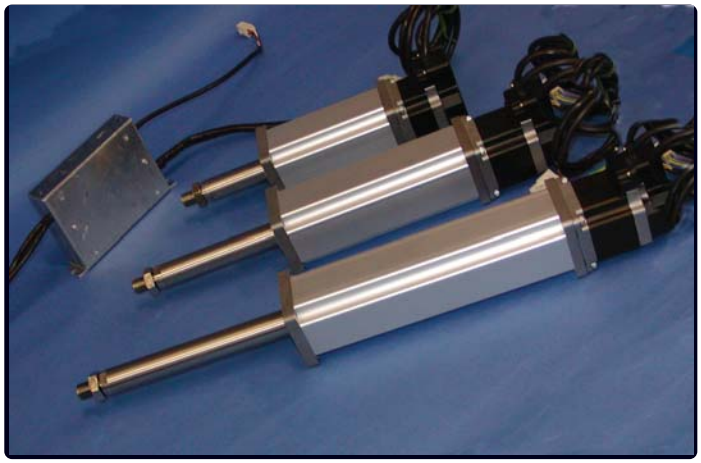
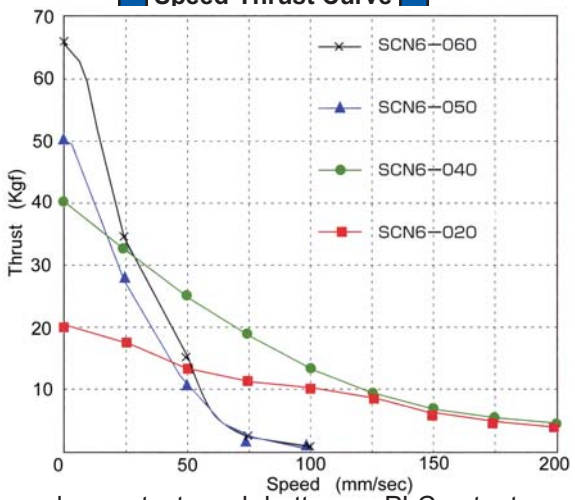
SCN6 Model
20 kgf, 40 kgf, 50 kgf & 60 kgf types

Also available in the Mechatronics Cylinder line are 20 kgf, 40 kgf, 50 kgf and 60 kgf models.

Each model is available as a dust-proof version which is sealed at the shaft outlet with a muffler on the end mounting block.



Speed-Thrust Curve



Dyadic's Mechatronics Cylinder controller comes complete with on board memory - a relay contact, push button, or PLC output can be used to initiate the programmed motion profile. Stainless steel shaft & thread is standard to carry heavy load.

Specifications

20 kgf & 40 kgf models

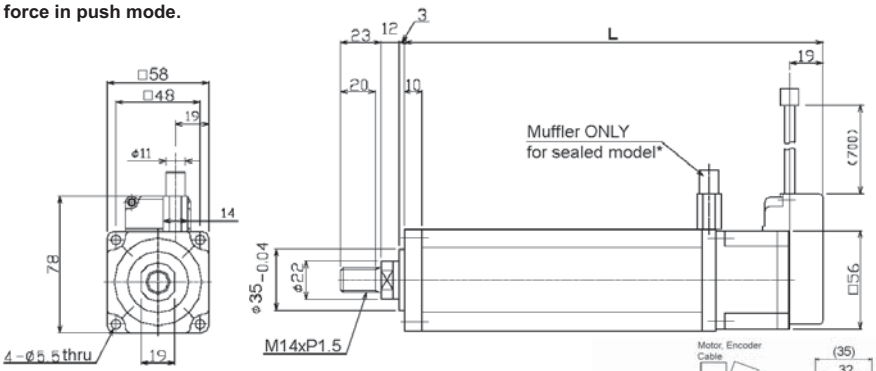
MODEL SCN6-	020-050	020-100	020-150	020-200	020-250	020-300	040-050	040-100	040-150	040-200	040-250	040-300
Stroke (mm)	50	100	150	200	250	300	50	100	150	200	250	300
Max. Thrust (N) / (kgf)	200 / 20.4						400 /40.8					
Push mode max. Thrust (N)/(kgf)	140 / 14.2						280 / 28.5					
Max. Speed (mm/s) * Typ.	200						200					
Radial Load Capacity (N)	30	20	10	10	10	10	75	50	25	18	15	12
Max. radial thrust at pwr ON (N)	14						28					
Rod Diameter (mm) / Thread	Ø 22 / M14 Pitch 1.5 (303SS)											
Environmental Protection	IP-40 equivalent (Standard), IP-54 (Dust proof sealed model)											
Actuator Weight (kg)	1.6	1.9	2.2	2.5	2.8	3.1	1.9	2.2	2.5	2.8	3.1	3.4

50 kgf & 60 kgf models

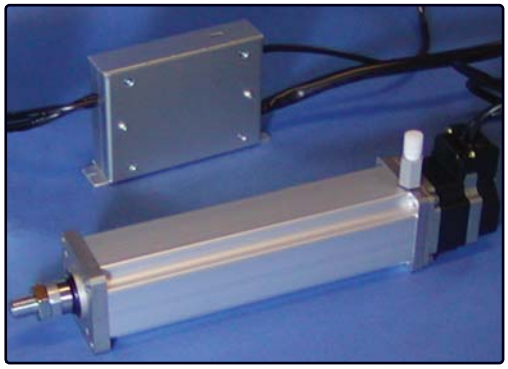
MODEL SCN6-	050-050	050-100	050-150	050-200	050-250	050-300	060-050	060-100	060-150	060-200	060-250	060-300
Stroke (mm)	50	100	150	200	250	300	50	100	150	200	250	300
Max. Thrust (N) / (kgf)	500 /51.0						650 /66.3					
Push mode max. Thrust (N)/(kgf)	350 / 35.5						450 / 45.9					
Max. Speed (mm/s) * Typ.	100						100					
Radial Load Capacity (N)	75	50	25	18	15	12	75	50	25	18	15	12
Max. radial thrust at pwr ON (N)	30						45					
Rod Diameter (mm) / Thread	Ø 22 / M14 Pitch 1.5 (303SS)											
Environmental Protection	IP-40 equivalent (Standard), IP-54 (Dust proof sealed model)											
Actuator Weight (kg)	1.9	2.2	2.5	2.8	3.1	3.4	1.9	2.2	2.5	2.8	3.1	3.4

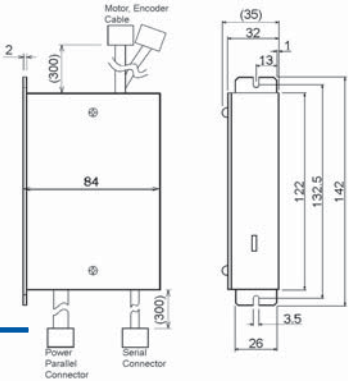
Note : Max vertical load is the same as the maximum force in push mode.

Dimensions



Dust Proof (Sealed) Model



Models	Stroke	L	Models	Stroke	L
SCN6-020-050-AB(W*)	50 mm	189 mm	SCN6-020-200-AB(W*)	200 mm	339 mm
SCN6-040-050-AB(W*)		223 mm	SCN6-040-200-AB(W*)		373 mm
SCN6-050-050-AB(W*)		201 mm	SCN6-050-200-AB(W*)		351 mm
SCN6-060-050-AB(W*)		223 mm	SCN6-060-200-AB(W*)		373 mm
SCN6-020-100-AB(W*)	100 mm	239 mm	SCN6-020-250-AB(W*)	250 mm	389 mm
SCN6-040-100-AB(W*)		273 mm	SCN6-040-250-AB(W*)		423 mm
SCN6-050-100-AB(W*)		251 mm	SCN6-050-250-AB(W*)		401 mm
SCN6-060-100-AB(W*)		273 mm	SCN6-060-250-AB(W*)		423 mm
SCN6-020-150-AB(W*)	150 mm	289 mm	SCN6-020-300-AB(W*)	300 mm	439 mm
SCN6-040-150-AB(W*)		323 mm	SCN6-040-300-AB(W*)		473 mm
SCN6-050-150-AB(W*)		301 mm	SCN6-050-300-AB(W*)		451 mm
SCN6-060-150-AB(W*)		323 mm	SCN6-060-300-AB(W*)		473 mm

Note *: * Marked dim is only for sealed model.