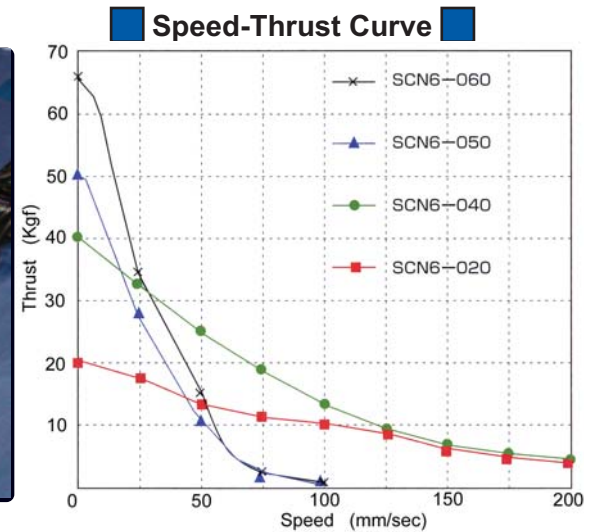


Also available in the Mechatronics Cylinder line are 20 kgf, 40 kgf, 50 kgf and 60 kgf models.

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



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

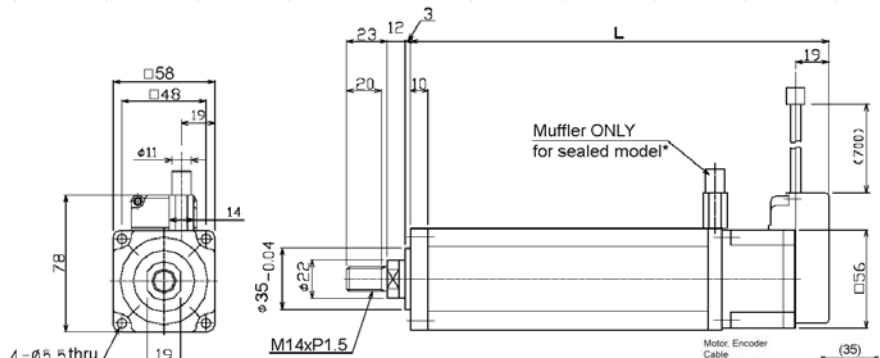
**20 kgf & 40 kgf models**

| 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      |
| 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     |

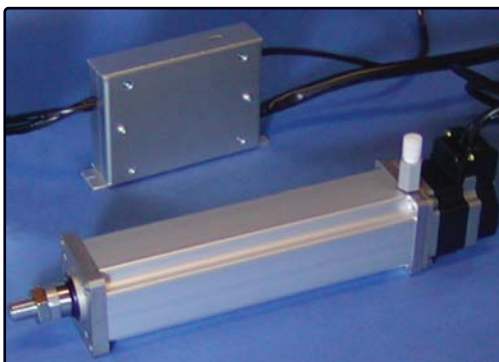
**50 kgf & 60 kgf models**

| 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      |
| 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     |

### 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.

