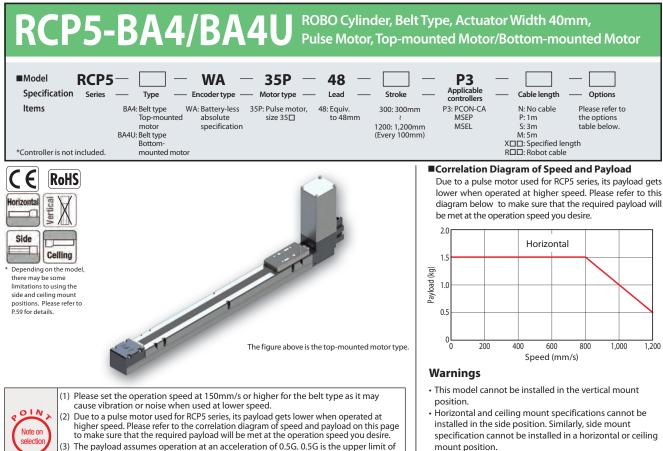
## RCP5 ROBO Cylinder



 The maximum stroke for the side and ceiling mount positions is 1,000mm.

| Actuator Specifications      |                        |                   |                                    |                            |                      |             |             |              |             |                            |
|------------------------------|------------------------|-------------------|------------------------------------|----------------------------|----------------------|-------------|-------------|--------------|-------------|----------------------------|
| ■Lead and Payload            |                        |                   |                                    | Stroke and Maximum Speed   |                      |             |             | (Unit: mm/s) |             |                            |
| Model number                 | Motor<br>attached side | Leau              | Maximum payload<br>Horizontal (kg) | Stroke (mm)                | Lead<br>(mm)         | 300<br>(mm) | 400<br>(mm) | 500<br>(mm)  | 600<br>(mm) | 700~1,200<br>(Every 100mm) |
| RCP5-BA4-WA-35P-48-①-P3-②-③  | Тор                    | Equiv.<br>to 48mm | n 1.5                              | 300~1,200<br>(Every 100mm) | Equiv.<br>to<br>48mm | 890         | 1,040       | 1,120        | 1,160       | 1,200                      |
| RCP5-BA4U-WA-35P-48-①-P3-②-③ | Bottom                 |                   |                                    |                            |                      |             |             |              |             |                            |

Legend: ① Stroke ② Cable length ③ Options

the acceleration.

| ① Stroke    |                |             |                |
|-------------|----------------|-------------|----------------|
| Stroke (mm) | Standard price | Stroke (mm) | Standard price |
| 300         | -              | 800         | -              |
| 400         | -              | 900         | -              |
| 500         | -              | 1,000       | -              |
| 600         | -              | 1,100       | -              |
| 700         | -              | 1,200       | -              |

(4) Push-motion operation cannot be performed.

| ② Cable Length |                     |                |  |  |
|----------------|---------------------|----------------|--|--|
| Туре           | Cable code          | Standard price |  |  |
| Standard type  | <b>P</b> (1m)       | -              |  |  |
|                | <b>S</b> (3m)       | -              |  |  |
|                | <b>M</b> (5m)       | -              |  |  |
| Special length | X06 (6m) ~X10 (10m) | -              |  |  |
|                | X11 (11m)~X15 (15m) | -              |  |  |
|                | X16 (16m)~X20 (20m) | -              |  |  |
| Robot cable    | R01 (1m) ~R03 (3m)  | -              |  |  |
|                | R04 (4m) ~R05 (5m)  | -              |  |  |
|                | R06 (6m) ~R10 (10m) | -              |  |  |
|                | R11 (11m)~R15 (15m) | -              |  |  |
|                | R16 (16m)~R20 (20m) | -              |  |  |

\*Please refer to P. 89 for maintenance cables

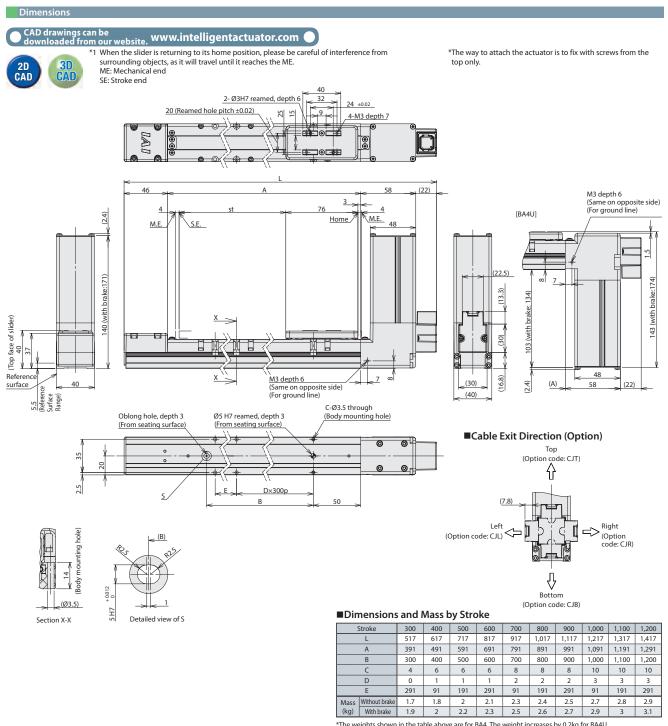
| ③ Options                     |             |                |                |
|-------------------------------|-------------|----------------|----------------|
| Name                          | Option code | Reference page | Standard price |
| Brake                         | В           | →P.11          | -              |
| Cable exit direction (Top)    | CJT         | →P. 11         | -              |
| Cable exit direction (Right)  | CJR         | →P.11          | -              |
| Cable exit direction (Left)   | CJL         | →P.11          | -              |
| Cable exit direction (Bottom) | CJB         | →P.11          | -              |
| Ceiling mount type            | CIM         | →P. 59         | -              |
| Left side-mount type          | SIL         | →P. 59         | -              |
| Right side-mount type         | SIR         | →P. 59         | -              |
| Non-motor end specification   | NM          | →P.11          | -              |

## Actuator Specifications

| ltem                                    | Description                                     |
|---|---|
| Drive system                            | Timing belt                                     |
| Positioning repeatability               | ±0.08mm   |
| Lost motion                             | 0.1mm or less                                   |
| Base                                    | Material: Aluminum with white alumite treatment |
| Dynamic allowable moment (*1)           | Ma: 6.14N•m, Mb: 6.14N•m, Mc: 11.9N•m           |
| Static allowable moment                 | Ma: 16N•m, Mb: 16N•m, Mc: 31.2N•m               |
| Ambient operating temperature, humidity | 0 to 40°C, 85% RH or less (Non-condensing)      |

Reference for overhang load length/Ma: 120mm or less, Mb, Mc: 120mm or less
(\*1) Assumes a standard rated life of 5,000km.

(\*) The operational life will vary depending on operation and installation conditions. Please refer to the general catalog for details on operational life, allowable moment direction, and overhang load length.



\*The weights shown in the table above are for BA4. The weight increases by 0.2kg for BA4U

Applicable Controllers The RCP5 series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use Max. number o Indar Positioner type (High-output specification) PCON-CA-35PWAI-①-2-0 1 512 points Pulse train type (High-output specification) PCON-CA-35PWAI-PL 1-2-0 1 →P. 69 Network type (High-output specification) PCON-CA-35PWAI-@-0-0 768 points -DC24V Solenoid valve multi-axis type (PIO specification) C: 8 3 points 4 when H HH high-output LC: 6 →P. 77 MSEP-℗-℗-~℗-0-0 Solenoid valve multi-axis type (Network specification) 256 points (3 when hial Program control multi-axis type MSEL-PC-1-35PWAI-①-2-4 Single-phase Program control multi-axis type (w/network board) MSEL-PC-1-35PWAI--0-4 4 30,000 points AC →P 87 Program control multi-axis type (Safety category compliant spec.) MSEL-PG-1-35PWAI-①-2-4 100V~230V Program control multi-axis type (Safety category compliant spec. w/network board) MSEL-PG-1-35PWAI--0-4

\*Above MSEL models are for single-axis specification \*① I/O type (NP/PN) \*III Field network specification code \* (∭ C or LC \*The high output enabled operation is only available when the "High-output setting specs" is selected in the MSEP-C/LC

\* Number of axes \* N (NPN specification) or P (PNP specification) code

