

ELECYLINDER<sup>®</sup> **EC** 

## Newest Additions to the Series





Small type (Radial Cylinder) EC-RR3 EC-RR4



Splash-proof type (Radial Cylinder) EC-RR6□W EC-RR7□W



**Small type** EC-S3 EC-S4



EC-RR6□AH

EC-RR7□AH

High rigidity (Radial Cylinder)

Side-mounted motor EC-S6 R EC-S7 R



High rigidity (Slider type) EC-S6 AH EC-S7 AH



Side-mounted motor

EC-S6□AHR EC-S7□AHR EC-RR6□R EC-RR7□R EC-RR6□AHR EC-RR7□AHR



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# EC Product List









### **Immersed in water? No problem!**

## Splash-proof type **Radial Cylinder**

## **1.** The ingress protection rating is IP67.

The Splash-proof structure prevents the ingress of water even when immersed, making it suitable for equipment such as food-related machines and washing machines which are exposed to violent splashes of water.

It can also be used in an environment where oil mist is present around processing machines.



#### **Description of protection rating**



Solid objects : Completely protected from ingress by dust or solid particles. : No ingression by water, even when immersed.

## 2. Fluororubber seal option is added as an option.

A fluororubber seal, which has excellent resistance against cutting oil and cleaning fluid, is added as an option to be used for O-rings and gaskets. (Option code: SLF) The Radial Cylinder can be used near machine tools where oil mist scatters.

> <Application Example> Processing machine door open/close



## 3. Equipped with a guide.

A ball circulating type built-in linear guide is equipped in the rod. The guide part is protected by the water-proof construction, elimination troubles of the guide caused by the environment.



EC-RR6 W/RR7 W

Ball circulating type linear guide

Increased rigidity thanks to the 4-row guide

## **High Rigidity ELECYLINDER®**



## **1.** Dynamic allowable moment is 3.5 times greater than that of the conventional products.



Operational servicce life under these conditions: 58,000 km

EC-S6□AH ►P47 EC-S7□AH ►P49

Specifications

|   | S6□AH    | S7□AH     |
|---|----------|-----------|
| Maximum stroke                                  | 800mm    | 800mm     |
| Maximum payload<br>(horizontal)                 | 40kg     | 51kg      |
| Dynamic allowable moment<br>(rolling direction) | Mc 55N∙m | Mc 134N∙m |

# 2. Dynamic allowable radial load at the rod tip is 2.8 times greater than that of the conventional products.



#### EC-RR6□AH ►P71 EC-RR7□AH ►P73

Specifications

| Longest stroke                                 | 400mm | 500mm |
|--|-------|-------|
| Dynamic allowable radial load at the rod tip * | 130N  | 170N  |

\* Assuming a basic rated service life of 5,000km.

(Note) Please confirm the conditions specified on P107 before use.

### Radial load can be applied without an external guide!

## **Radial Cylinder®**

## 1. Includes a built-in guide.

The radial cylinder is equipped with a built-in ball circulating type linear guide in the rod body. No external guide is required, as both radial loads and eccentric loads can be applied.





#### (1) There is no tip runout.

Since it has a built-in linear guide and the rod is supported by the guide, there is no runout to the tip.

#### (2) It can be used in narrow spaces.

Since there is no need for an external guide, it can be used even in narrow spaces to save overall space.

The theoretical operation life of the 315mm stroke Radial Cylinder, with a load of 2.9kg applied to the rod tip, is 4,770km. When the load on rod tip is halved, the theoretical service life increases 8-fold.



Theoretical service life: 14,547km 23.09 million cycles (when moving 315mm)

### Palm size

## Mini ELECYLINDER®

## **1. It can be used in narrow spaces.**

- (1) The use of a nut rotation mechanism reduces the size.(2) Even with a built-in controller,
- the size is a compact 55mm  $\times$  105mm  $\times$  78mm.

## 2. As it has a guide, no external guide is required.

(1) The guide design process can be eliminated.(2) It helps save space.





Body widths 35mm and 44mm are now available!

## Compact slider Compact Radial Cylinder



## 1. Compact and lightweight

The body width is only 35mm wide thanks to the built-in controller. The main unit weight is reduced by 58%, compared to our conventional model with the same stroke.



## 2. Mounting direction of the motor and controller unit is selectable.

The direction of the motor and controller unit can be selected according to the application (See P105). Retrofit changes of the mounting direction are also possible.



Motor side-mounted type is added as standard!

# Motor side-mounted specification



# 1. The overall length has been shortened.

The overall length has been shortened by up to 133.5mm, allowing a smaller installation space in the longitudinal direction.



## 2. No extra space for maintenance is necessary.

A maintenance space required for the straight type is no longer necessary, providing wider options for equipment layout within the facility.



## **3.** Compact combination possible



# Model Specification Items



| <\$3/RR3> < |          | <s4 rr4<="" th=""><th colspan="2">&lt;\$4/RR4&gt;</th><th colspan="2"><s6 r6="" rr6=""></s6></th><th colspan="2"><s7 r7="" rr7=""></s7></th><th>4/GD4/TC4/TW4&gt;</th></s4> | <\$4/RR4>  |   | <s6 r6="" rr6=""></s6> |   | <s7 r7="" rr7=""></s7> |   | 4/GD4/TC4/TW4> |
|-------------|----------|---|------------|---|------------------------|---|------------------------|---|----------------|
| L           | Lead 2mm | L   | Lead 2.5mm | L | Lead 3mm               | L | Lead 4mm               | L | Lead 2mm       |
| N           | Lead 4mm | м   | Lead 5mm   | м | Lead 6mm               | м | Lead 8mm               | м | Lead 4mm       |
| н           | Lead 6mm | н   | Lead 10mm  | н | Lead 12mm              | н | Lead 16mm              | н | Lead 6mm       |
|             |          | s   | Lead 16mm  | s | Lead 20mm              | s | Lead 24mm              |   |                |

\* The range of selectable options varies according to the actuator type. For details, please refer to the pages showing each type. QR

QRPB

TMD2

WA

WL2

Clevis bracket +

, specificationn

specification

oscillation receiving bracket Split motor and controller power supply

Battery-less Absolute Encoder

Wireless communication specification Wireless axis-operation specifications

# Product List

| Slider Typ               | e      |               |                 |       | * Sr                    | peed limitation         | applies to pus | h motion. See | the manual or | r contact IAI. |
|--------------------------|--------|---------------|-----------------|-------|-------------------------|-------------------------|----------------|---------------|---------------|----------------|
|                          |        |               | D a alui ala la | المعط | Positioning             | Chuelue                 |                | Mary much     | Max. pay      | load (kg)      |
| Spec                     | Type   | External view | (mm)            | (mm)  | repeatability<br>(mm)   | (mm)                    | (mm/s)         | force (N)*    | Horizontal    | Vertical       |
|                          |        | NEW A         | 35              | 6     |                         |                         | 420            | 45            | 3.5           | 1.5            |
|                          | S3     | 9             | 8               | 4     | ±0.05                   | 50 to 300<br>(per 50st) | 280            | 68            | 6             | 2.5            |
|                          |        | <b>V</b>      | 35mm            | 2     |                         |                         | 140            | 136           | 9             | 3.5            |
|                          |        | NEW           | 44              | 16    |                         |                         | 800            | 41            | 7             | 1.5            |
|                          | 54     |               |                 | 10    | +0.05                   | 50 to 300               | 700            | 66            | 12            | 2.5            |
|                          | 54     |               |                 | 5     | 10.05                   | (per 50st)              | 350            | 132           | 15            | 5              |
| Coupled Motor            |        |               | 44mm            | 2.5   |                         |                         | 175 <150>      | 263           | 18            | 6.5            |
|                          |        |               | 63              | 20    |                         | 50 to 400               | 800            | 67            | 15            | 1              |
|                          | 56     |               |                 | 12    | +0.05                   |                         | 700            | 112           | 26            | 2.5            |
|                          | 50     | 5             |                 | 6     | 10.05                   | (per 50st)              | 450            | 224           | 32            | 6              |
|                          |        |               | 63mm            | 3     |                         |                         | 225            | 449           | 40            | 12.5           |
|                          |        |               | 73              | 24    | 10.05                   | 50 to 500<br>(per 50st) | 860            | 139           | 37            | 3              |
|                          | 67     |               |                 | 16    |                         |                         | 700            | 209           | 46            | 8              |
|                          | 37     |               |                 | 8     | 10.05                   |                         | 420            | 418           | 51            | 16             |
|                          |        |               | 73mm            | 4     |                         |                         | 210 <175>      | 836           | 51            | 19             |
|                          |        | NEW A         | 63              | 20    |                         |                         | 800            | 67            | 15            | 1              |
|                          |        |               |                 | 12    | +0.05                   | 50 to 400               | 700            | 112           | 26            | 2.5            |
|                          | 30 L N |               |                 | 6     | 10.05                   | (per 50st)              | 450 <400>      | 224           | 32            | 6              |
| Motor side-              |        |               | 63mm            | 3     |                         |                         | 225            | 449           | 40            | 12.5           |
| mounted<br>specification |        | NEW           | 73              | 24    |                         |                         | 860            | 139           | 37            | 3              |
|                          |        |               |                 | 16    |                         | 50 to 500               | 700            | 209           | 46            | 8              |
|                          | S7_R   | 13            | 8               | ±0.05 | 50 to 500<br>(per 50st) | 420 <350>               | 418            | 51            | 16            |                |
|                          |        |               | 73mm            | 4     |                         |                         | 190 <175>      | 836           | 51            | 19             |

#### Figures in < > represent vertical operations.

|     | High Rigio    | dity Sli | der Type   |   |  | * Sp        | eed limitation | applies to pus | h motion. See | the manual or  | contact IAI. |
|-----|---------------|----------|--|---|--|-------------|----------------|----------------|---------------|--|--------------|
|     | - Croce       | Turno    | Eutomoliviour  | Body width  | Lead   | Positioning | Stroke         | Max. speed     | Max. push     | Max. pay   | load (kg)    |
|     | spec          | Type     | External view  | (mm)  | (mm)   | (mm)        | (mm)           | (mm/s)         | force (N)*    | the manual of a<br>Max. paylor<br>Horizontal<br>15<br>26<br>32<br>40<br>37<br>46<br>51<br>51<br>15<br>26<br>32<br>40<br>32<br>40<br>37<br>40<br>37<br>40<br>37<br>40<br>37<br>40<br>37<br>40<br>37<br>40<br>37<br>40<br>51 | Vertical     |
|     |               |          |  | 63  | 20   |             |                | 1440 <1280>    | 67            | 15   | 1            |
|     |               |          |  |   | 12   | 10.05       | 50 to 800      | 900            | 112           | 26   | 2.5          |
|     |               | 30AH     |  |   | 6  | ±0.05       | (per 50st)     | 450            | 224           | 32   | 6            |
|     |               |          |  | 63mm  | 3  |             |                | 225            | 449           | 40   | 16           |
|     | Coupled Motor |          | NEW  | 75  | 24   |             |                | 1230           | 139           | 37   | 3            |
|     | S7∏∆H         | 9        |  | 16  | ±0.05 ()   | 50 to 800   | 980 <840>      | 209            | 46            | 8  |              |
|     | 57_AH         |          |  | 8   |  | (per 50st)  | 420            | 418            | 51            | 16   |              |
|     | S7            |          |  | 75mm  | 4  |             |                | 210 <175>      | 836           | 51   | 25           |
|     |               |          |  | $ \begin{array}{c} 20\\ 12\\ 6\\ 3\\ \pm 0.05 \end{array} $ $ \begin{array}{c} 20\\ 12\\ 6\\ 3\\ \pm 0.05 \end{array} $ $ \begin{array}{c} 20\\ 12\\ 6\\ 3\\ \pm 0.05 \end{array} $ $ \begin{array}{c} 20\\ 12\\ 6\\ 3\\ \pm 0.05 \end{array} $ |  |             | 1120           | 67             | 15            | 1  |              |
|     |               |          |  |   | ody width<br>(mm)         Lead<br>(mm)         Positioning<br>repeatability<br>(mm)         Stroke<br>(mm)         Max. speed<br>(mm/s)         Max. push<br>force (N)*         Max. push<br>Horizont           1         20         4         12         4         15         15           12         4         4         40.05         50 to 800<br>(per 50st)         900         112         26           63mm         3         4         12         450         224         32           75         24         4         4         40         40         40           75         16         4         980<<840>         209         46           8         40.05         50 to 800<br>(per 50st)         980<<840>         209         46           10         4         4         51         40         51           10         4         4         51         50 to 800<br>(per 50st)         900<<800>         112         26           10         50         63mm         3         4         50 to 800<br>(per 50st)         900<800>         112         26           10         50         6800         139         37         26           10         50         6800         139< | 26          | 2.5            |                |               |  |              |
|     |               |          |  | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $   | 32   | 6           |                |                |               |  |              |
|     | Motor side-   |          | External view         body with (mm)         lead (mm)         stroke (mm)         Max. speed (mm) | 40  | 16   |             |                |                |               |  |              |
|     | specification |          |  | 75  | 24   |             |                | 1080 <860>     | 139           | 37   | 3            |
|     |               |          |  |   | 16   | 10.05       | 50 to 800      | 840 <700>      | 209           | 46   | 8            |
| \$7 | з/⊡апк        |          |  | 8   | ±0.05  | (per 50st)  | 420 <350>      | 418            | 51            | 16   |              |
|     |               |          |  | 75mm  | 4  |             |                | 190 <175>      | 836           | 51   | 25           |

## Product List Mini Rod Type / Rod Type

\* Speed limitation applies to push motion. See the manual or contact IAI.

| <b>C</b>                                | T          | E de se la face  | Body width | Lead | Positioning | Stroke     | Max. speed | Max. push  | Max. pay   | load (kg) |
|---|------------|--|------------|------|-------------|------------|------------|------------|------------|-----------|
| Spec                                    | Type       | External view  | (mm)       | (mm) | (mm)        | (mm)       | (mm/s)     | force (N)* | Horizontal | Vertical  |
|   |            |  |            | 6    |             |            | 300        | 30         | 2.5        | 1         |
|   | RP4        |  | ×          | 4    | ±0.05       | 30, 50     | 200        | 45         | 4          | 1.5       |
|   |            | A.   | 34mm       | 2    |             |            | 100        | 90         | 8          | 2.5       |
| Matausida                               | GS4        |  |            | 6    |             |            | 300        | 30         | 2.5        | 1         |
| motor side-<br>mounted<br>specification |            |  | ≈ <b>•</b> | 4    | ±0.05       | 30, 50     | 200        | 45         | 4          | 1.5       |
|   |            |  | 55mm       | 2    |             |            | 100        | 90         | 8          | 2.5       |
|   | GD4        |  |            | 6    |             |            | 300        | 30         | 2.5        | 1         |
|   |            |  |            | 4    | ±0.05       | 30, 50     | 200        | 45         | 4          | 1.5       |
|   |            |  | 76mm       | 2    |             |            | 100        | 90         | 8          | 2.5       |
|   |            |  | 63         | 20   |             | 50 to 300  | 800        | 67         | 6          | 1.5       |
|   | D6         |  | - <b>M</b> | 12   | +0.05       |            | 700        | 112        | 25         | 4         |
|   | NO         |  |            | 6    | 10.05       | (per 50st) | 450        | 224        | 40         | 10        |
| Coupled Motor                           |            | AN CONTRACT OF A CONTRACT. | 63mm       | 3    |             |            | 225        | 449        | 60         | 12.5      |
| Coupled Motor                           |            |  | 73         | 24   |             |            | 860 (640)  | 182        | 20         | 3         |
|   | <b>R</b> 7 |  | 42         | 16   | +0.05       | 50 to 300  | 700 (560)  | 273        | 50         | 8         |
|   | 1.7        |  |            | 8    | 10.05       | (per 50st) | 350        | 547        | 60         | 18        |
|   |            | AV .   | 73mm       | 4    |             |            | 175        | 1094       | 80         | 19        |

Figures in < > represent vertical operations.

| Radiai Cyl                              | inder   |                 |                 |      | * Sp        | eed limitation                | applies to pus | h motion. See   | the manual o | r contact IAI. |
|---|---|-----------------|-----------------|------|-------------|-------------------------------|----------------|---|--------------|----------------|
| <b>C</b>                                | T   | E transfertaria | Body width      | Lead | Positioning | Stroke                        | Max. speed     | Max. push   | Max. pay     | load (kg)      |
| Spec                                    | Type  | External view   | (mm)            | (mm) | (mm)        | (mm)                          | (mm/s)         | force (N)*  | Horizontal   | Vertical       |
|   |   | NEW a           | 35              | б    |             |                               | 420            | 45  | 9            | 1.5            |
|   | RR3         External view         Body with<br>(mm)         Lead<br>(mm)         Stroke<br>(mm)         Max.speed<br>(mm/s)         Max.speed<br>(mm/s)         Max.speed<br>(mm/s)           RR3         Max.speed<br>(mm/s)         4         6         4         20.05         50 to 300<br>(per 50st)         280           RR4         Max.speed<br>(mm/s)         1         6         4         20.05         50 to 300<br>(per 50st)         280           RR4         Max.speed<br>(mm/s)         1 | 68              | 14              | 2.5  |             |                               |                |   |              |                |
|   |   | 5               | 35mm            | 2    |             |                               | 140            | Max.pape<br>force (N)*         Max.pape<br>Horizontal         Max.pape<br>Horizontal         Max.pape<br>Horizontal           420         45         9         1.5           280         68         14         2.5           140         136         18         3.5           800         41         7         1.5           700         66         16         2.5           350         132         25         5           350         263         35         6.5           600         67         6         1.5           700         112         25         4           701         225         449         60         12.5           700         112         20         3         3           2550         273         50         3         3           350         547         60         1.5           700         112         25         4         40           350         677         6         1.5           350         547         60         1.5           700         112         25         4           450         224         40 <td< td=""><td>3.5</td></td<> | 3.5          |                |
|   |   |                 | . 44            | 16   |             |                               | 800            | 41  | 7            | 1.5            |
|   | DD4   |                 |                 | 10   | 10.05       | 50 to 300                     | 700            | 66  | 16           | 2.5            |
|   | NN4   |                 |                 | 5    | ±0.05       | (per 50st)                    | 350            | 132   | 25           | 5              |
|   |   | , M             | 44mm            | 2.5  |             |                               | 175 <150>      | 263   | 35           | 6.5            |
| Coupled Motor                           |   | 5               | 63              | 20   |             |                               | 800            | 67  | 6            | 1.5            |
|   | PP6   |                 |                 | 12   | ±0.05       | 65 to 315                     | 700            | 112   | 25           | 4              |
|   | nno   |                 |                 | 6    |             | (per 50st)                    | 450            | 224   | 40           | 10             |
|   |   |                 | 63mm            | 3    |             |                               | 225            | 449   | 60           | 12.5           |
|   |   |                 |                 | 24   |             | .0.05 65 to 315<br>(per 50st) | 860 <640>      | 182   | 20           | 3              |
|   | PP7   |                 |                 | 16   | +0.05       |                               | 700 <560>      | 273   | 50           | 8              |
|   | 1117  |                 |                 | 8    | 10.05       |                               | 350            | 547   | 60           | 18             |
|   |   |                 | 73mm            | 4    |             |                               | 175            | 1094  | 80           | 19             |
|   |   | NEW A           | <del>63 -</del> | 20   |             |                               | 800            | 67  | 6            | 1.5            |
|   |   |                 |                 | 12   | +0.05       | 65 to 315                     | 700            | 112   | 25           | 4              |
|   |   |                 |                 | б    | 10.05       | (per 50st)                    | 450            | 224   | 40           | 10             |
| Motor side-                             |   |                 | 63mm            | 3    |             |                               | 225            | 449   | 60           | 12.5           |
| Motor side-<br>mounted<br>specification |   | NEW A           | 73 4            | 24   |             |                               | 860 <640>      | 182   | 20           | 3              |
|   |   |                 |                 | 16   | +0.05       | 65 to 315<br>(per 50st)       | 700 <560>      | 273   | 50           | 8              |
|   | Λ <b>Π</b> /∐K  |                 |                 | 8    | ±0.05       |                               | 320 <280>      | 547   | 60           | 18             |
|   |   |                 | 73mm            | 4    |             |                               | 160 <140>      | 1094  | 80           | 19             |

## **Radial Cylinder**

Figures in < > represent vertical operations.

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\* Speed limitation applies to push motion. See the manual or contact IAI.

| Spor               | Turno  | Extornal view | Body width | $\frac{1}{(mm)}$ $1$ | Positioning<br>repeatability Stroke | Max. speed              | Max. push   | Max. payload (kg) |                   |                   |
|--------------------|--------|---------------|------------|--|-------------------------------------|-------------------------|---|-------------------|-------------------|-------------------|
| spec               | Type   |               | (mm)       | (mm)   | (mm)                                | (mm)                    | Max. speed<br>(mm/s)         Max. push<br>force (N)*         Max. pay<br>Horizontal           800         67         6           700         112         25           450         224         40           225         449         60           860 < 640>         182         20           700 < 560>         273         50           700 < 560>         273         60           700 < 560>         273         60           350         547         60           700         112         25           450         224         40           205         449         60           800         67         6           700         112         25           450         224         40           225         449         60           860 < 640>         182         20           640 < 560>         273         50           320 < 280>         547         60           150 < 140>         104         80 | Vertical          |                   |                   |
|                    |        | NEW           | 63         | 20   |                                     | 50 to 400               | 800   | 67                | 6                 | 1.5               |
|                    |        |               | , i tot    | 12   |                                     |                         | 700   | 112               | 25                | 4                 |
|                    |        |               |            | 6  | 10.05                               | (per 50st)              | 450   | 224               | 40                | 10                |
| Coupled            |        |               | 63mm       | 3  |                                     |                         | 225   | 449               | 60                | 20                |
| motor              |        | NEV           | 75         | 24   |                                     |                         | 860 <640>   | 182               | 20                | 3                 |
|                    | RR7□AH |               |            | 16   | 10.05                               | 50 to 500               | 700 <560>   | 273               | 50                | 8                 |
|                    |        |               |            | 8  | (per 50st)                          | 350                     | 547   | 60                | 18                |                   |
|                    |        |               | 75mm       | 4  |                                     |                         | 175   | 1094              | 80                | 28                |
|                    |        | NEW           |            | 20   | 10.05                               | 50 to 400<br>(per 50st) | 800   | 67                | 6                 | 1.5               |
|                    |        |               |            | 12   |                                     |                         | 700   | 112               | 25                | 4                 |
|                    |        |               |            | 6  | 10.05                               |                         | 450   | 224               | 40                | 10                |
| Motor side-        |        |               | 63mm       | 3  |                                     |                         | 225   | 449               | 60                | 20                |
| specification      |        |               | 75         | 24   |                                     |                         | 860 <640>   | 182               | 20                | 3                 |
|                    |        |               |            | 16   | +0.05                               | 50 to 500<br>(per 50st) | 640 <560>   | 273               | 50                | 8                 |
|                    |        |               |            | 8  | 10.05                               |                         | 320 <280>   | 547               | 60                | 18                |
|                    |        |               | 75mm       | 4  |                                     |                         | 150 <140>   | 1094              | 80                | 28                |
| · · · · <b>·</b> · |        |               |            |  |                                     |                         |   | Figures in <      | < > represent ver | rtical operations |

Mini Table type

\* Speed limitation applies to push motion. See the manual or contact IAI.

| Spec          | Tuno | External view      | Body width             | Lead | Positioning<br>repeatability | Stroke<br>(mm) | Max. speed | Max. push    | Max. payload (kg) |                   |
|---------------|------|--------------------|------------------------|------|------------------------------|----------------|------------|--------------|-------------------|-------------------|
| Spec          | Type |                    | (mm)                   | (mm) | (mm)                         |                | (mm/s)     | force (N)*   | Horizontal        | Vertical          |
|               | тс4  | 110                | 78                     | 6    |                              | 30, 50         | 300        | 30           | 2.5               | 1                 |
| Motor side-   |      |                    |                        | 4    | ±0.05                        |                | 200        | 45           | 4                 | 1.5               |
|               |      | active contraction | 78mm                   | 2    |                              |                | 100        | 90           | 8                 | 2.5               |
| specification |      |                    | 78<br>5<br>6<br>6<br>6 | 6    |                              | 30, 50         | 300        | 30           | 2.5               | 1                 |
|               | TW4  |                    |                        | 4    | ±0.05                        |                | 200        | 45           | 4                 | 1.5               |
|               |      |                    | 78mm                   | 2    |                              |                | 100        | 90           | 8                 | 2.5               |
|               | -    |                    |                        |      |                              |                |            | Figures in < | represent vei     | rtical operations |

## Splash-proof type

 $^{\ast}$  Speed limitation applies to push motion. See the manual or contact IAI.

| Spec          | Type   | External view                             | Body width | Lead | Positioning | Stroke                  | Max. speed   | Max. push | Мах. рау | load (kg) |
|---------------|--------|---|------------|------|-------------|-------------------------|--|-----------|----------|-----------|
| spec          | туре   |   | (mm)       | (mm) | (mm)        | (mm)                    | Max. speed<br>(mm/s)         Max. push<br>force (N)*         Max. push<br>Horizontal         Max. push<br>(minus)           Nax. speed<br>(mm/s)         Max. push<br>force (N)*         Horizontal         Vertistical           Nax. speed<br>(mm/s)         800         67         6         1.2           Nax. speed<br>(mm/s)         700         112         25         4           Nax. speed<br>(mm/s)         700         224         400         10           225         449         60         12.2           225         449         60         12.2           225         449         60         12.2           700<560>         273         500         8           350         547         60         1.2           350         547         60         1.2           450         224         40         1.2           50 315         700         112         25         4           450         224         40         10         10           225         449         60         12.2         3           60315         220         3         3         3           610315         350         273         50         8 | Vertical  |          |           |
|               |        |   | 63         | 20   |             | 50 to 300               | 800  | 67        | 6        | 1.5       |
|               |        |   | 4          | 12   | 10.05       |                         | 700  | 112       | 25       | 4         |
|               | ROLIW  |   |            | 6    | ±0.05       | (per 50st)              | 450  | 224       | 40       | 10        |
| Coupled motor |        | <i>All</i>                                | 63mm       | 3    |             |                         | 225  | 449       | 60       | 12.5      |
|               | R7⊡W   |   | 73         | 24   |             |                         | 860 <640>  | 182       | 20       | 3         |
|               |        |   |            | 16   | +0.05       | 50 to 300<br>(per 50st) | 700 <560>  | 273       | 50       | 8         |
|               |        |   |            | 8    | 10.05       |                         | 350  | 547       | 60       | 18        |
|               |        | J.D.V                                     | 73mm       | 4    |             |                         | 175  | 1094      | 80       | 19        |
|               |        | NEW                                       | 63         | 20   | ±0.05       | 65 to 315<br>(per 50st) | 800  | 67        | 6        | 1.5       |
|               |        |   |            | 12   |             |                         | 700  | 112       | 25       | 4         |
|               | RROLIV |   |            | 6    |             |                         | 450  | 224       | 40       | 10        |
| Coupled motor |        |   | 63mm       | 3    |             |                         | 225  | 449       | 60       | 12.5      |
| Coupled motor |        | NEW                                       | 73         | 24   |             |                         | 860 <640>  | 182       | 20       | 3         |
|               |        |   | 4          | 16   | +0.05       | 65 to 315               | 700 <560>  | 273       | 50       | 8         |
|               |        |   |            | 8    | ±0.05       | (per 50st)              | 350  | 547       | 60       | 18        |
|               |        | 1. A. | 73mm       | 4    |             |                         | 175  | 1094      | 80       | 19        |

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