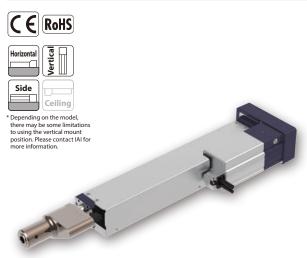
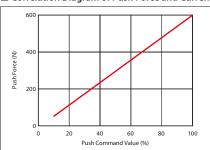
#### (Servo press specification) Battery less Motor 200<sub>V</sub> Unit 60 AC Servo Motor Absolute Type RCS3 - RA6R -WA 60 -**T2** Specification Motor Type Encoder Type Lead Applicable Controllers Options Items WA: Battery-less 60: Servo 1.5: Lead 1.5mm 115: 115mm T2: SCON-CB/ Refer to Options table below. \* Specify cable exit direction (CJT/CJB/CJO). Absolute motor CGB : 3m : 5m 60W 415: 415mm Does not include a controller. Please contact IAI for more information about the model specification items. (Every 50mm) For side-mounted moto type, specify the mount X□□: Specified length Body width does not include the width of the side-mounted mot R□□: Robot cable direction (ML/MR).



## ■ Correlation Diagram of Push Force and Current Limit Value



 The correlation between push force and push command value are strictly for reference purposes. Actual numbers

• The push command value should be 10% or more because the push force will be unstable when the push command value is low

may vary slightly.



- (1) For push-motion operation, check the allowable time period of continuous push-motion set with a different thrust force. Also, please check that the allowable continuous operational thrust force for the actual push cycle is less than the allowable continuous operational thrust force. (Even if there is no push motion) Please refer to P.27 for more information.
- (2) Customer's tooling is to be mounted on the load cell itself. In case any radial or moment load is applied to the load cell, please consider adding the external guides, etc. to offset those side loads.
- (3) Please install a support block when front mounting or back mounting a horizontally mounted actuator that is 150st or more. (Refer to page 34 "Notes When Installing")
- (4) Servo Press with load cell should not be used for pulling motion. It will damage the load cell.

# Actuator Specifications ■ Lead and Payload

Model Number	Motor wattage (W)	Lead (mm)	Max. speed (mm/s)		Max. p Horizontal (kg)*			Max. push force (N)**
RCS3-RA6R-WA-60-1.5-①-T2-②-③	60	1.5	75	0.3	10	10	566	600

\* Max. horizontal payload means max. weight on the customer's external guide. Legend: 1 Stroke 2 Cable Length 3 Option \*\* Speed limitation applies to push motion. See the manual or contact IAI.

## ■ Stroke and Max Speed

Stroke (mm)	115~415
1.5	75

(Unit: mm/s)

### ① Stroke

① Stroke (mm)	RCS3-RA6R
115	0
165	0
215	0
265	0
315	0
365	0
415	0

# 2 Cable Length

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

<sup>\*</sup> Please contact IAI for maintenance cables.

**Actuator Specifications** 

© Options		
Name	Option Code	Reference Page
Brake	В	See P.35
Cable exit direction (Top)	CJT	See P.35
Cable exit direction (Bottom) (*2)	CJB	See P.35
Cable exit direction (Outside)	C10	See P.35
Flange (Front)	FL	See P.35
Foot bracket (*1)	FT	See P.36
Equipped with load cell (Standard equipment) (*3)	LCT	See P.37
Motor side-mounted (left)	ML	See P.37
Motor side-mounted (right)	MR	See P.37

- (\*1) Refer to P. 37 for the number of brackets included.
- (\*2) The foot bracket cannot be chosen when you select the actuator whose stroke is 365mm or less.

  (\*3) Please make sure to enter "LCT" in the box of Model Specification Items to select the actuator with

#### Description Item Ball screw 610mm rolled C10 Drive system Positioning repeatability ±0.01mm Lost motion 0.1mm or less Load cell rated capacity 600N Loading repeatability (\*4) ±0.5% F.S (\*5) Ambient operating temp. & humidity 0°C~40°C, 85% RH or less (non-condensing)

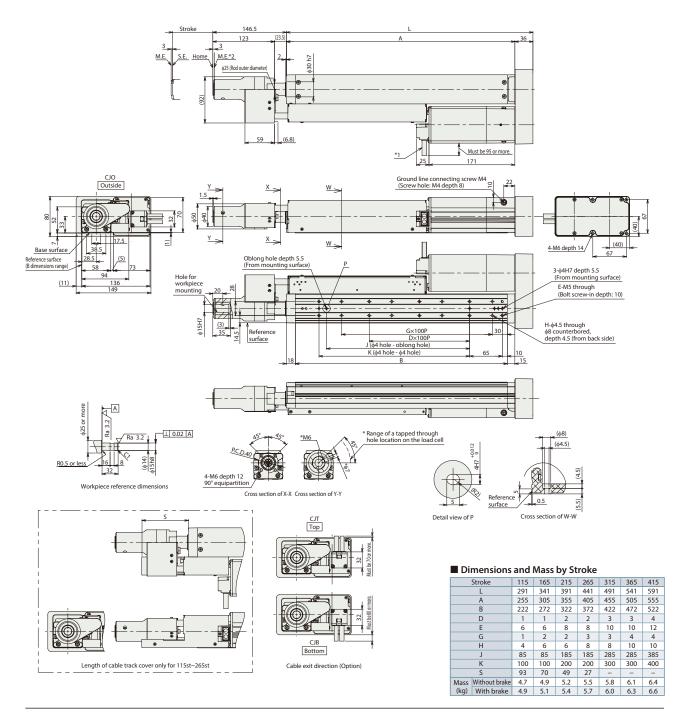
- (\*4) Ratio (in percentage) of the load variations caused by the repeated operations to the load cell
- rated capacity
  (\*5) F.S.: Full Scale, the maximum measurable value.

### Dimensions

CAD drawings can be downloaded from our website. www.intelligentactuator.com



- \*1 Connect the motor-encoder cables. Please contact IAI for more details on the cable.
  \*2 While the rod is returning to its home position, please be careful of interference from surrounding objects, as it will travel until it reaches the mechanical end.
  M.E. Mechanical end
  - S.E: Stroke end



The RCS3 series actuators can be operated by the controllers indicated below. Please select the type depending on your intended use.  Control method										
	External view	connectable axes		Positioner	Pulse train		Press program		Maximum number of positioning points	Reference page
SCON-CB/CGB (For servo press only)		1	Single- phase 100VAC /200VAC	-	-	-	•	DeviceNet  CC-Link  proper  Ether(ATT)  Ether(Net/IP)  proper  CompoNet	-	Please contact IA for more information.