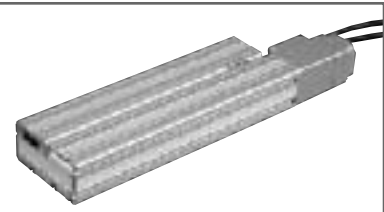


RCS-F55-60

ROBO Cylinder Rod Width 55mm, 60W, Flat Type



Type	Flat (55 mm wide)	Stroke	50~300mm	Load capacity	11.5kg
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Model specification items Series Type Encoder type Motor Speed type Stroke Cable length Options
 (Example) RCS - F55 - A - 60 - H - 300 - S - B

* Refer to page 37 for the details of model specification items.

Model/Specifications

Model	Encoder type	Motor (W)	Lead (mm)	Stroke 50mm increments (mm)	Speed (mm/s)	Load capacity (Note 1)		Rated thrust (N)
						Horizontal (kg)	Vertical (kg)	
RCS-F55-○-60-H-***-△-□	Absolute Incremental	60	16	50~300	1~800		2	63.8
RCS-F55-○-60-M-***-△-□			8		1~400	Refer to page 125	5	127.5
RCS-F55-○-60-L-***-△-□			4		1~200		11.5	255.1

* In the above model names, ○ indicates the encoder type, *** the stroke, △ the cable length, and □ the applicable options.

Options

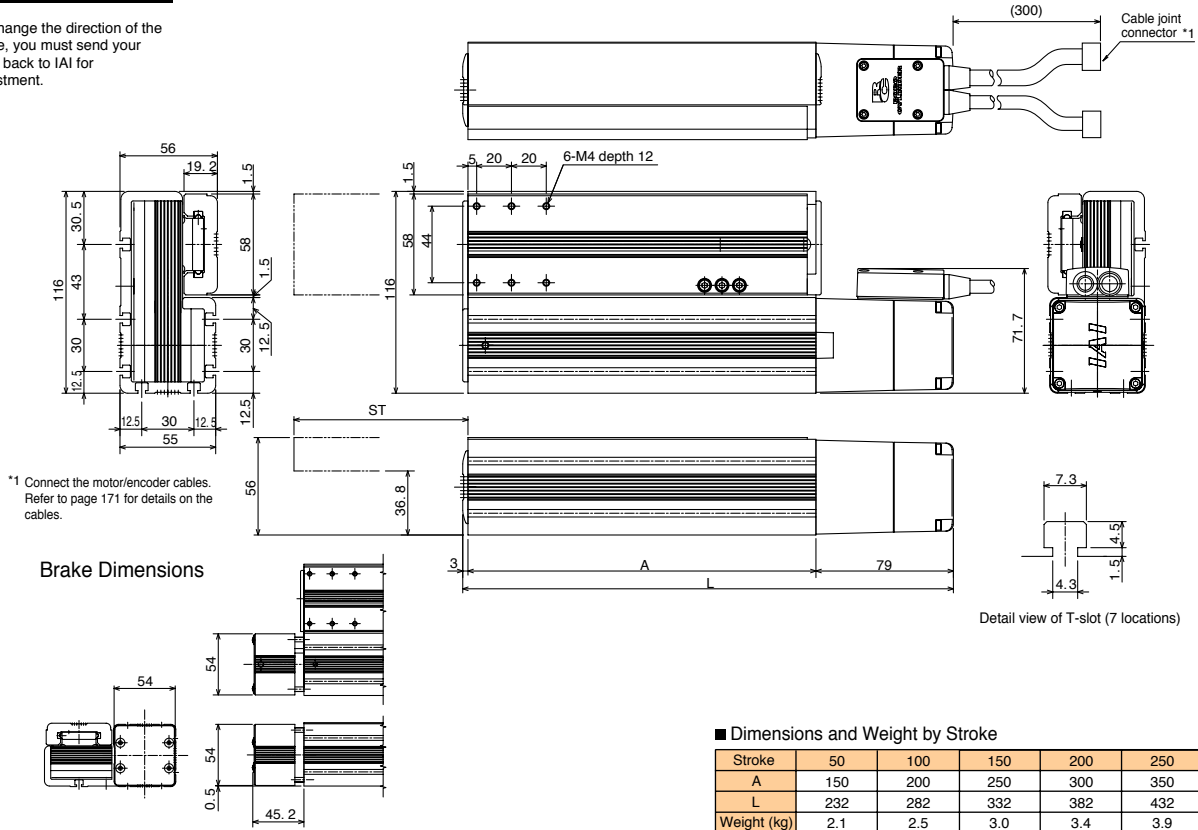
Name	Model	Page
Brake	B	→P137
Reversed-home specification	NM	→P137

Common Specifications

Drive system	Ball screw ϕ 12mm, rolled C10
Positioning repeatability	\pm 0.02mm
Backlash	0.05mm or less
Guide	Built-in linear guide
Allowable load moment	Ma: 4.5N · m Mb: 5.4N · m Mc: 4.1N · m
Base	Material: Aluminum with white alumite treatment
Cable length (Note 2)	P: 1m, S: 3m, M: 5m, X□□: Length specification, R□□: Robot cable

Dimensions

* To change the direction of the home, you must send your RCS back to IAI for adjustment.



Dimensions and Weight by Stroke

Stroke	50	100	150	200	250	300
A	150	200	250	300	350	400
L	232	282	332	382	432	482
Weight (kg)	2.1	2.5	3.0	3.4	3.9	4.3

Applicable Controller Specifications

Applicable Controller	Maximum number of controlled axes	Compatible encoder type	Program operation	Positioner operation	Pulse-train control	Power supply voltage	Page
RCS-C	1 axis	Absolute/Incremental	X	O	X	AC100/200V	→P163
E-Con	1 axis		X	O	X	AC100/200V	Refer to the separate catalog.
P-Driver	1 axis	Incremental	X	X	O	AC100/200V	
X-SEL	4 axes	Absolute/Incremental	O	△	X	AC100/200V	

Caution

(Note 1) The load capacity is based on operation at the maximum speed and an acceleration of 0.3 G (or 0.2 G for the L type). The horizontal load capacity must not exceed the allowable moment, so refer to page 125.

(Note 2) The maximum cable length is 15 m. Specify the desired length in meters (e.g., X08 = 8 m).

* Refer to page 23 for other points to note.