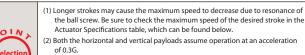
S4-SA7C Simple Battery Motor 230_v Dust-70 mm AC Servo Motor Straight proof Absolute Coupled Model Specification RCS4 — SA7C — Model WA 200 **T2** Applicable Controllers Cable Length Lead Options Refer to Option WA: Battery-less Absolute T2:SCON 200: Servo m 36:36mm 50:50mm N: None 200W 24:24mm 16:16mm MSCON SSEL XSEL-P/Q P:1m S:3m M:5m table below. 800:800mm 8: 8mm X□□: Specified Length R□□: Robot Cable 4: 4mm XSEL-RA/SA





- (3) When the acceleration is increased, the payload will be reduced.

 Please refer to "Table of Payload by Acceleration" on P.139 for more details.
- (4) Estimated allowable duty varies depending on operating conditions (payload, acceleration/deceleration, etc.). Please refer to P. 149 for more information.

(Unit: mm/s)

760

750 800 (mm)

560 500

1620 1420 1260 1120

1095

720

355 315 275 245

175 155 135 120

965 850

635

Actuator Specifications ■ Lead and Payload Stroke and Max Speed Motor Max. payload Stroke 50~500 550 Lead 600 (mm) Model Number Stroke (mm wattage RCS4-SA7C-WA-200-36-①-T2-②-③ 36 95 36 1800 RCS4-SA7C-WA-200-24-①-T2-②-③ 30 1500 1440 1240 24 7 142 24 50~800 RCS4-SA7C-WA-200-16-①-T2-②-③ 200 40 12 (50mm 1000 830 16 965 ncrements) RCS4-SA7C-WA-200-8-①-T2-②-③ 8 45 20 427 8 500 475 410 RCS4-SA7C-WA-200-4-①-T2-②-③ 4 50 25 855 240 235 205 Legend: Stroke Cable Length Option

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

Options		
Name	Option Code	Reference Page
Brake	В	See P.131
Cable exit direction (Top)	CJT	See P.131
Cable exit direction (Right)	CJR	See P.131
Cable exit direction (Left)	CJL	See P.131
Cable exit direction (Bottom)	CJB	See P.131
High-Precision specification (*1)	HPR	See P.134
Non-motor end specification	NM	See P.136
Slider roller specification	SR	See P.137
Double slider (*2)	W	See P.137

Actuator Specifications	
Item	Description
Drive system	Ball screw ø12mm, rolled C10
Positioning repeatability (*1)	±0.01mm [±0.005mm]
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Allowable static moment	Ma direction 115N·m, Mb direction 115N·m, Mc direction 229N·m
Allowable dynamic moment (*2)	Ma direction 44.7N·m, Mb direction 44.7N·m, Mc direction 89.1N·m
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)

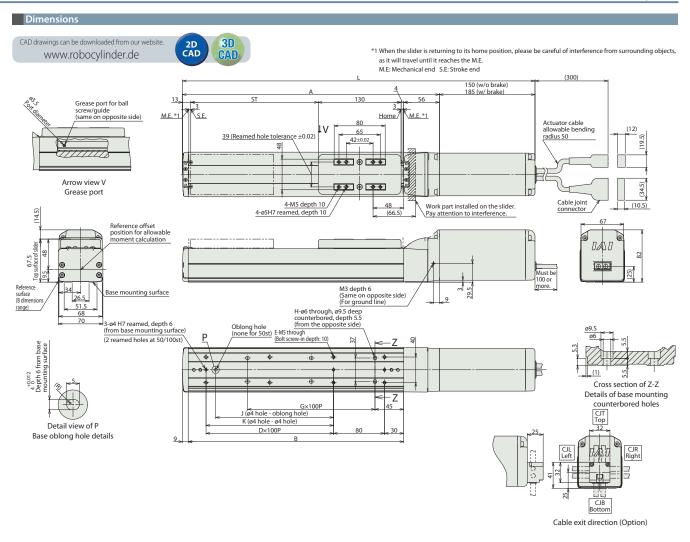
- (*1) Values in [] are for high-precision (for lead 4/8/16) specification.
- (*2) Assumes a standard rated life of 5000km. The service life will vary depending on operation and installation conditions. Please contact IAI for details of the running life.
- Reference for overhang load length: Ma: 300mm or less, Mb, Mc: 300mm or less Allowable load moment directions Overhang load lengths

Ma	Mb	Mc	Ma L	Mc
			GF .	

If the load moments in Ma/Mb/Mc direction are within the allowable ranges, there is no overhang load length limit.

Round cable joint connector with screw locking (*3)	EU	See P.131
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- (*1) When the lead is 24/36, it cannot be selected. Double slider cannot be selected. (*2) Some leads cannot be selected. (Please see P. 150)
- (*3) EU option will be available soon.



■ Dimensions and Mass by Stroke

	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
	W/o brake	403	453	503	553	603	653	703	753	803	853	903	953	1003	1053	1103	1153
L	W/ brake	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188
	A	253	303	353	403	453	503	553	603	653	703	753	803	853	903	953	1003
	В	188	238	288	338	388	438	488	538	588	638	688	738	788	838	888	938
	D	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8
	E	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20
	G	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	Н	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
	J	0	85	85	185	185	285	285	385	385	485	485	585	585	685	685	785
	K	0	0	100	200	200	300	300	400	400	500	500	600	600	700	700	800
Mass	W/o brake	3.5	3.8	4.0	4.3	4.5	4.7	5.0	5.2	5.4	5.7	5.9	6.1	6.4	6.6	6.8	7.1
(kg)	W/ brake	4.0	4.3	4.5	4.8	5.0	5.2	5.5	5.7	5.9	6.2	6.4	6.6	6.9	7.1	7.3	7.6

ne RCS4 series actuators o	an be operated	by the conti	rollers indicated be	low. Please se	elect the type	depending o	n your intended use.			
	External view	Max. number of connectable	Input power	Danitianas	Control method Positioner Pulse train Program Network * Option			Maximum number of positioning points	Reference page	
SCON-CB/CGB	View	axes		Positioner	•	Program _	Network * Option DeviceNet	512 (768 for network spec.)	Please see P.151	
SCON-LC/LCG (*)	I	1		-	-	•	CompoNet Ether Net / IP Note: The type of compatible networks will vary depending on the	512 (768 for network spec.)		
SCON-CAL/CGAL		1	Single phase 115V/230VAC	•	-	_		512 (768 for network spec.)	Please see the	
MSCON-C	BBS	6				This model is network-compatible only.		256	dedicated contro	
SSEL-CS		2		•	_	•		20000		
(SEL-P/Q or (SEL-RA/SA (*)	P III TA		Single phase 230VAC Three-phase 230VAC		-	•	controller. Please refer to the reference page for more information.	20000 or 55000 (Depending on the type)		