



Delivery time inquiry here

RCP6-HSA6XC

Product Features

±10μm
標準

簡易防塵

バッテリーレスアプソ

中間サポート

モーターストレート

本体幅
60mm

24V
パルスモーター

Installation position

水平

垂直

横立て

天吊り

Catalog PDF

Instruction manual PDF

2D CAD drawings

Parametric CAD Drawings

Request information



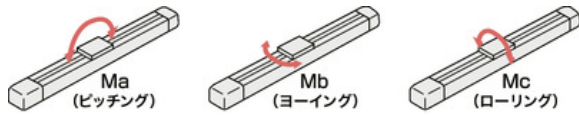
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Main Specifications

Specification 1
 Specification 2

		item	Contents			
Lead		Ball screw lead (mm)	20	12	6	3
Horizontal	Payload capacity	Maximum payload (kg) (high output effective)	15	28	42	42
		Maximum payload (kg) (high output disabled)	8	14	20	twenty five
	Speed/Acceleration	Maximum speed (mm/s)	1120	800	400	200
		Minimum speed (mm/s)	twenty five	15	8	4
		Rated acceleration/deceleration (G)	0.3	0.1	0.1	0.3
		Maximum acceleration/deceleration (G)	1	1	1	1
vertical	Payload capacity	Maximum payload (kg) (high output effective)	1	2.5	6	16
		Maximum payload (kg) (high output disabled)	0.75	2	5	10
	Speed/Acceleration	Maximum speed (mm/s)	960	700	400	200
		Minimum speed (mm/s)	twenty five	15	8	4
		Rated acceleration/deceleration (G)	0.3	0.3	0.3	0.3
		Maximum acceleration/deceleration (G)	0.5	0.5	0.5	0.5
Pressing	Maximum thrust when pressing (N)	67	112	224	449	
	Maximum pressing speed (mm/s)	30	30	20	20	
brake	Brake specifications	Non-excitation electromagnetic brake				
	Brake holding force (kgf)	1	2.5	6	16	
stroke	Minimum stroke (mm)	500	500	500	500	
	Maximum stroke (mm)	1500	1500	1400	1000	
	Stroke pitch (mm)	50	50	50	50	

Slider type moment direction



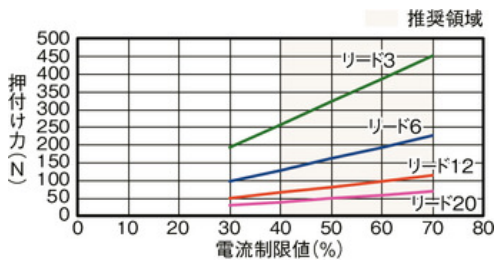
Stroke and maximum speed

(Unit: mm/s)

Lead (mm)	Connection Controller	500 to 700 (in 50mm increments)	750 (mm)	800 (mm)	850 (mm)	900 (mm)	950 (mm)	1000 (mm)	1050 (mm)	
20	High output enabled	1120 <960>				970 <960>	940	860	790	
	High output disabled	800 <640>							790 <640>	730
12	High output enabled	800 <700>	770 <700>	680	620	560	510	460	425	
	High output disabled	560					510	460	425	
6	High output enabled	400	380	340	310	280	255	230	210	
	High output disabled	340 <280>			310 <280>		280	255	230	210
3	High output enabled	200	190	165	145	135	125	115		
	High output disabled	140				135	125	115		

(Note) <> indicates vertical use. Blank indicates non-operational.

Correlation diagram between pressing force and current limit value



Payload capacity by speed and acceleration *High output setting is enabled at the time of shipment. For details, see page 1-23 .

High output setting enabled (power mode) The maximum speed varies depending on the payload. The payload is in kg. Blank spaces indicate that the operation is not possible.

	Lead 20	Lead 12	Lead 6	Lead 3					
posture	Horizontal				vertical				
speed (mm/s)	Acceleration (G)								
	0.1	0.3	0.5	0.7	1	0.1	0.3	0.5	
0	15	15	10	8	7	1	1	1	
160	15	15	10	8	7	1	1	1	
320	12	12	10	8	6	1	1	1	
480	12	12	9	8	6	1	1	1	
640	12	12	6.5	5	4	1	1	1	
800	9.5	9.5	5	3	2	1	1	1	

960		7	3	2	1		0.5	0.5
1120		5	1					

High output setting disabled (energy saving mode) The maximum speed varies depending on the payload. The payload is in kg. Blank spaces indicate that the operation is not possible.

	Lead 20	Lead 12	Lead 6	Lead 3	
posture			Horizontal		vertical
speed (mm/s)			Acceleration (G)		
			0.3	0.7	0.3
0			8	5	0.75
160			8	5	0.75
320			8	5	0.75
480			8	4	0.75
640			6	3	0.75
800			3	0.5	

Adaptive Controller

The actuators on this page can be operated with the following controllers. Please select the type that suits your application.

name	exterior	Maximum number of connectable axes	Power supply voltage	Positioner	Pulse train	program
MSEL-PC/PG		4	Single phase AC 100-230V	-	-	●
PCON-CB/CGB		1	DC24V	● ※Select	● ※Select	-
PCON-CYB/PLB/POB		1		● ※Select	● ※Select	-
RCON		16 (ML3, SSN, ECM are 8)		-	-	-
RSEL		8		-	-	●

(Note) For network abbreviations such as DV and CC, please see page [8-15](#).

International Standards



Selection considerations

<p>選定上の 注意</p>	<p>(1) As the stroke becomes longer, the maximum speed decreases due to the critical speed of the ball screw. Check the maximum speed for the desired stroke.</p> <p>(2) The maximum load capacity is shown in "Main specifications". For details, refer to "Load capacity by speed and acceleration table".</p> <p>(3) When performing a pressing operation, refer to "Correlation diagram of pressing force and current limit value". The pressing force is a guideline value.</p> <p>(4) The duty ratio must be limited depending on the ambient temperature during use. For details, refer to page 1-326.</p> <p>(5) Caution is required depending on the mounting position. For details, refer to page 1-307.</p> <p>(6) The guideline for the overhang load length is 300 mm or less in the Ma, Mb, and Mc directions. For details on the overhang load length, refer to the "Main specifications".</p>
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Dimensions

CAD図面がホームページよりダウンロード出来ます。

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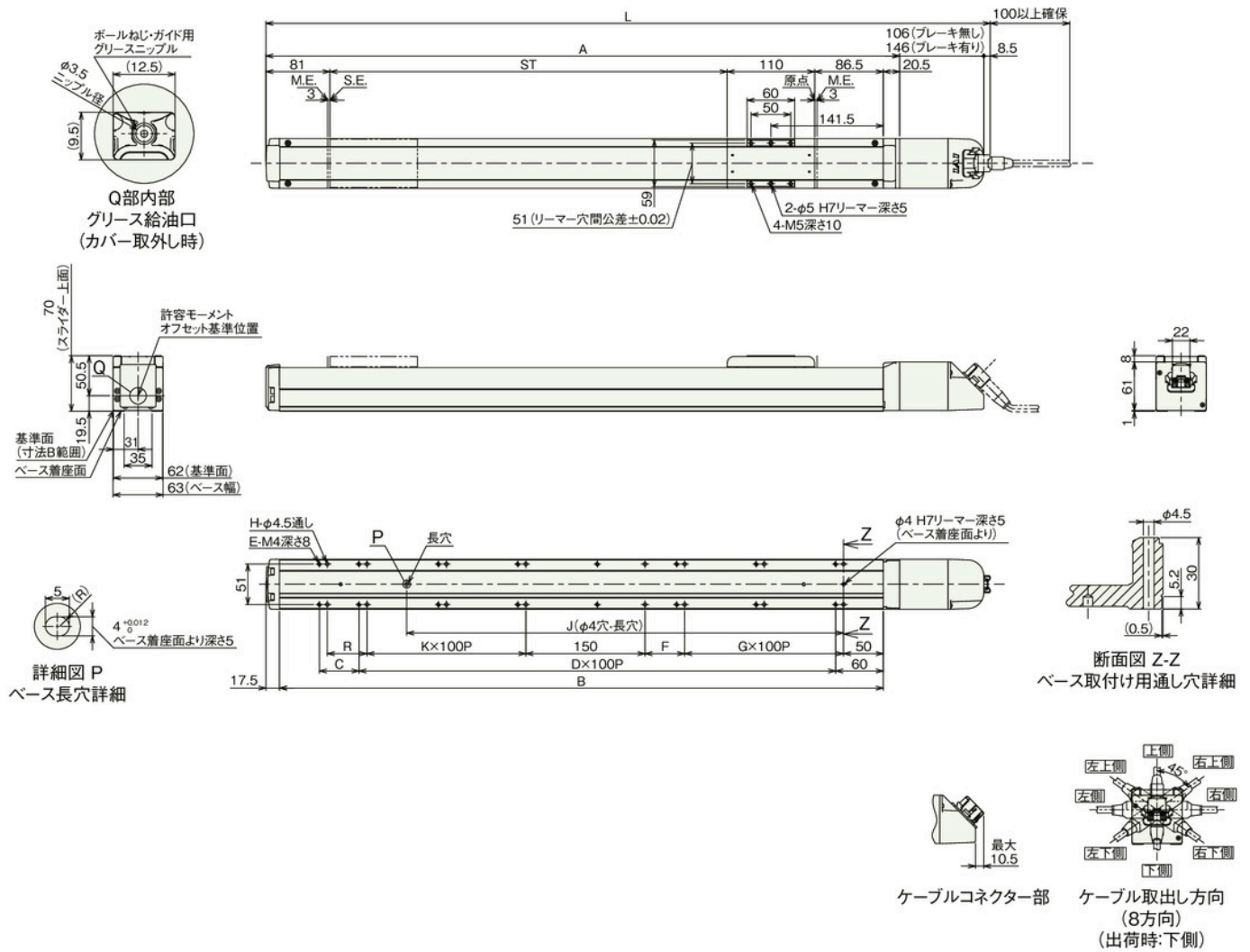
ST: Stroke

ME: Mechanical end

SE: Stroke end

(Note) When performing origin return, the slider will move to the ME, so please be careful not to interfere with the surroundings.

(Note) For details on precautions for changing the cable exit direction, refer to page [3-716](#).



Stroke dimensions

stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	
L	No brakes	912.5	962.5	1012.5	1062.5	1112.5	1162.5	1212.5	1262.5	1312.5	1362.5	1412.5	1462.5	1512.5	1562.5	1612.5
	With brake	952.5	1002.5	1052.5	1102.5	1152.5	1202.5	1252.5	1302.5	1352.5	1402.5	1452.5	1502.5	1552.5	1602.5	1652.5
A	798	848	898	948	998	1048	1098	1148	1198	1248	1298	1348	1398	1448	1498	
B	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	
C	50	0	50	0	50	0	50	0	50	0	50	0	50	0	50	
D	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	
E	16	16	18	18	20	20	twenty two	twenty two	twenty four	twenty four	26	26	28	28	30	
F	50	0	0	50	50	0	0	50	50	0	0	50	50	0	0	
G	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	
H	16	16	16	18	20	20	20	twenty two	twenty four	twenty four	twenty four	26	28	28	28	
J	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	
K	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	
R	50	50	0	0	50	50	0	0	50	50	0	0	50	50	0	

Mass by stroke

stroke	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	
Mass (kg)	No brakes	4.8	5.0	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.1
	With brake	5.1	5.3	5.5	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.2	9.4

