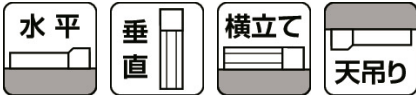


RCP6-HSA6XR

Product Features



Installation position



Catalog PDF	Instruction manual PDF
2D CAD drawings	Parametric CAD Drawings
Request information	



(Note) The photo above shows the motor left-folded specification (ML).

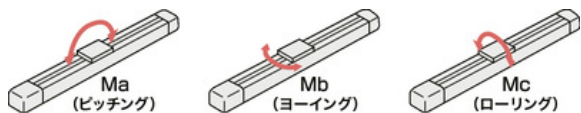
[Dimensions](#)
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[Adaptive Controller](#)

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



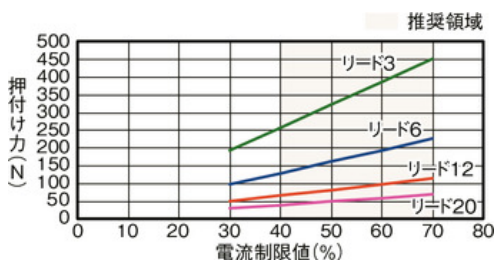
Stroke and maximum speed

(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

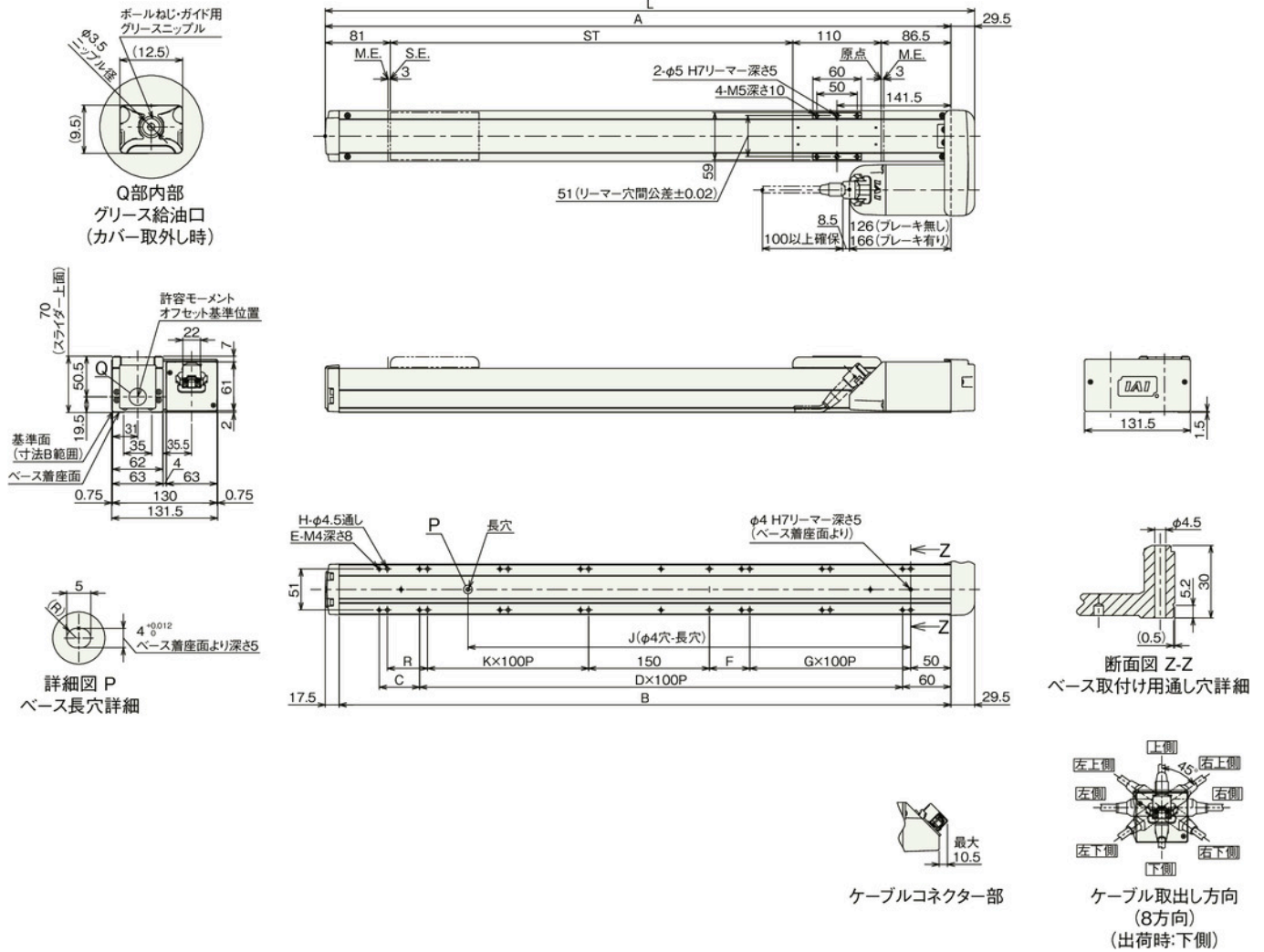
ME: Mechanical end

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) The diagram below shows the motor left-side reverse specification (ML).

(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	1250	1300	1350	1400	1450	1500	
L	807	857	907	957	1007	1057	1107	1157	1207	1257	1307	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	
A	777.5	827.5	877.5	927.5	977.5	1027.5	1077.5	1127.5	1177.5	1227.5	1277.5	1327.5	1377.5	1427.5	1477.5	1527.5	1577.5	1627.5	1677.5	1727.5	1777.5	
B	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	
C	50	0	50	0	50	0	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	14	14	15	15	16	16	
E	16	16	18	18	20	20	twenty two	twenty two	twenty four	twenty four	26	26	28	28	30	30	32	32	34	34	36	36
F	50	0	0	50	50	0	0	50	50	0	0	50	50	0	0	50	50	0	0	50	50	
G	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	
H	16	16	16	18	20	20	20	twenty two	twenty four	twenty four	twenty four	26	28	28	28	30	30	32	32	34	34	
J	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	
K	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	7	7	7	7	
R	50	50	0	0	50	50	0	0	50	50	0	0	50	50	0	0	50	50	0	0	50	

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	5.0	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.9	9.1	9.3
	With brake	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.2	9.4	9.6