



Ordering method

C4LH

Model	Lead designation	Brake	Direction of air coupler installation	Origin position change	Stroke	Cable length
	12: 12mm 6: 6mm 2: 2mm	No entry: With no brake BK: With brake	L: Left (Standard) R: Right	None: Standard Z: Non-motor side	50 to 400 (50mm pitch)	3L: 3.5m 5L: 5m 10L: 10m 3K/5K/10K (Flexible cable)

TSX

Positioner	Driver: Power supply voltage / Power capacity	LCD monitor	I/O selection	Battery
TS-X	10S: 100V/100W or less 20S: 200V/100W or less	No entry: None L: With LCD	NP: NPN PN: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board	N: None (Incremental)

SR1-X

Controller	Driver: Power capacity	Usable for CE	I/O selection	Battery
05	05: 100W or less	No entry: Standard E: CE marking	N: NPN P: PNP CC: CC-Link DN: DeviceNet™ PB: PROFIBUS	N: None (Incremental)

RDV-X

Driver	Power supply voltage	Driver: Power capacity
2	2: AC200V	05: 100W or less

Note 1. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable.

See P.614 for details on robot cable.

Note 2. See P.522 for DIN rail mounting bracket.

Note 3. Select this selection when using the gateway function. For details, see P.66.

Basic specifications

AC servo motor output (W)	30
Repeatability (mm)	+/-0.02
Deceleration mechanism	Ball screw $\phi 8$
Ball screw lead (mm)	12 6 2
Maximum speed (mm/sec)	720 360 120
Maximum payload (kg)	4.5 6 6
Rated thrust (N)	32 64 153
Stroke (mm)	50 to 400 (50mm pitch)
Overall length (mm)	Stroke+205
Maximum outside dimension of body cross-section (mm)	Stroke+243
Cable length (m)	Standard: 3.5 / Option: 5, 10
Degree of cleanliness	ISO CLASS 3 (ISO14644-1)
Intake air (Nl/min)	50 30 15

Note 1. Positioning repeatability in one direction.

Note 2. CLASS 10 (0.1 μ m) FED-STD-209D or equivalent when a suction blower is used.

Note 3. The necessary intake amount varies depending on the use conditions and environment.

Allowable overhang

Horizontal installation (Unit: mm)

		A	B	C
Lead 12	2kg	339	90	174
	4.5kg	169	37	72
Lead 6	3kg	352	58	133
	6kg	234	27	62
Lead 2	3kg	1105	59	142
	6kg	520	27	66

Wall installation (Unit: mm)

		A	B	C
Lead 12	2kg	136	72	295
	4.5kg	44	20	111
Lead 6	3kg	101	41	254
	6kg	27	10	127
Lead 2	3kg	110	41	805
	6kg	28	10	290

Vertical installation (Unit: mm)

		A	C
Lead 12	1.2kg	118	118
	2.4kg	52	54
Lead 6	3kg	38	39
	7.2kg	0	0

Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

Note. Service life is calculated for 300mm stroke models.

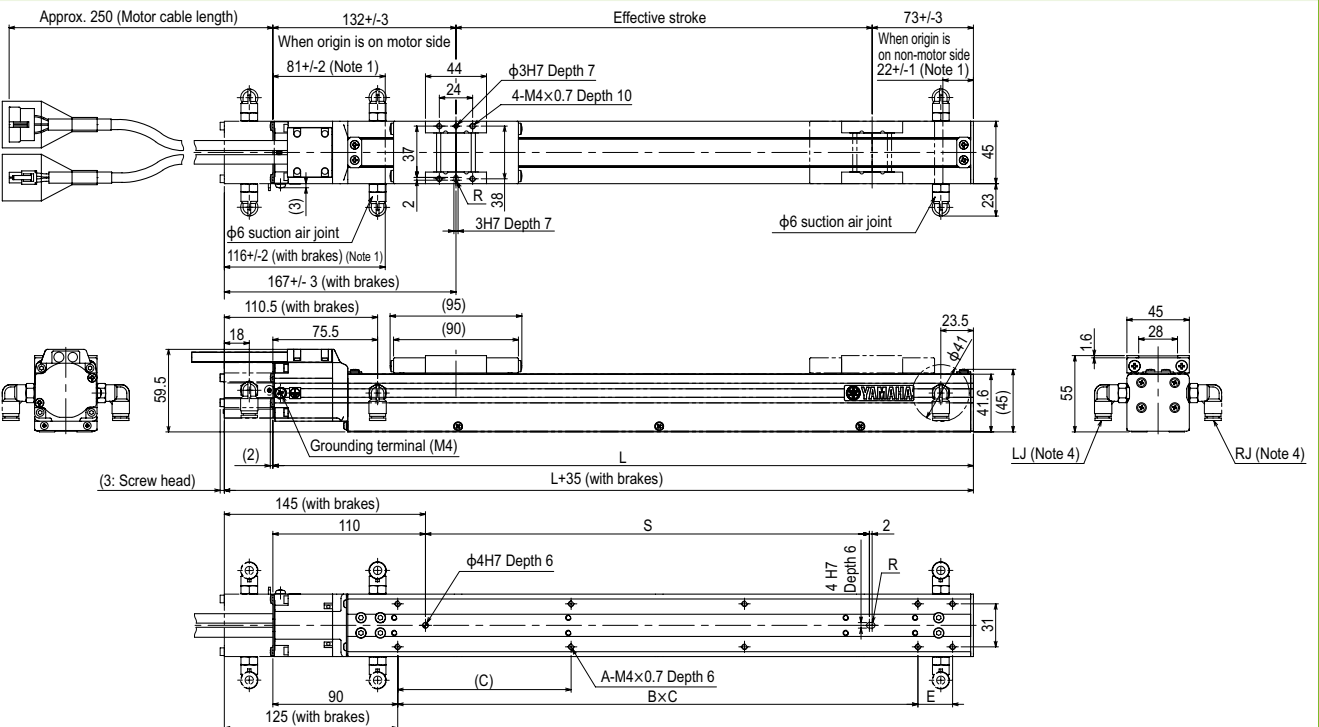
Static loading moment

MY	MP	MR
15	19	18

Controller

Controller	Operation method
SR1-X05 RCX320 RCX221/222 RCX340	Programming / I/O point trace / Remote command / Operation using RS-232C communication
TS-X105 TS-X205	I/O point trace / Remote command
RDV-X205	Pulse train control

C4LH



Effective stroke	50	100	150	200	250	300	350	400
L	255	305	355	405	455	505	555	605
A	4	6	6	8	8	10	10	10
B	1	2	2	2	2	3	3	4
C	150	100	125	125	125	125	125	125
E	0	0	0	50	100	25	75	0
S	70	120	170	220	270	320	370	420
Weight (kg)	1.4	1.5	1.7	1.8	2	2.1	2.3	2.4
Maximum speed for each stroke (mm/sec)	Lead 12	720						
	Lead 6	360						
	Lead 2	120						

Note 1. Stop positions are determined by the mechanical stoppers at both ends.

Note 2. Minimum bend radius of motor cable is R30.

Note 3. Weight of models with no brake. The weight of brake-attached models is 0.2 kg heavier than the models with no brake shown in the table.

Note 4. Either right or left can be selected for the installation direction for the $\phi 6$ intake air joint. (The left side is the standard.)

Note 5. External view of C4LH is identical to C4L.