C4LH

Origin on the non-motor side is selectable

Ordering method

C4LH - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Model	Lead designation	Brake	Direction of air coupler installation	Origin position change	Stroke	Cable length Note 1
	12: 12mm 6: 6mm 2: 2mm	No entry: With no brake BK: With brake	LJ: Left (Standard) RJ: 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 Note 2	Driver: Power-supply voltage / Power capacity	LCD monitor	I/O selection	Battery
TS-X	105: 100V/100W or less 205: 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 Note 3	B: With battery (Absolute) N: None (Incremental)

SR1-X - **05** - [ ] - [ ] - [ ]

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

RDV-X - **2** - **05**

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

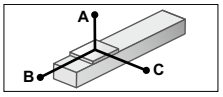
Note 1. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable. See P.732 for details on robot cable.
Note 2. See P.634 for DIN rail mounting bracket.
Note 3. Select this selection when using the gateway function. For details, see P.96.

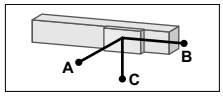
Basic specifications

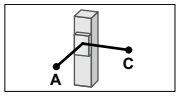
AC servo motor output (W)		30		
Repeatability Note 1 (mm)		+/-0.02		
Deceleration mechanism		Ball screw ϕ8		
Ball screw lead (mm)		12	6	2
Maximum speed (mm/sec)		720	360	120
Maximum payload (kg)	Horizontal	4.5	6	6
	Vertical	1.2	2.4	7.2
Rated thrust (N)		32	64	153
Stroke (mm)		50 to 400 (50mm pitch)		
Overall length (mm)	Horizontal	Stroke+205		
	Vertical	Stroke+243		
Maximum outside dimension of body cross-section (mm)		W45×H55		
Cable length (m)		Standard: 3.5 / Option: 5, 10		
Degree of cleanliness		ISO CLASS 3 (ISO14644-1) Note 2		
Intake air (Nℓ/min) Note 3		50	30	15

Note 1. Positioning repeatability in one direction.
Note 2. CLASS 10 (0.1μm) 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 Note







Horizontal installation (Unit: mm)

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

Wall installation (Unit: mm)

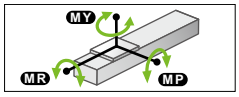
		A	B	C
Lead 12	2kg	136	72	295
Lead 6	4.5kg	44	20	111
	3kg	101	41	254
	6kg	27	10	127
Lead 2	3kg	110	41	805
	6kg	28	10	290

Vertical installation (Unit: mm)

		A	C
Lead 12	1.2kg	118	118
Lead 6	2.4kg	52	54
	3kg	38	39
Lead 2	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



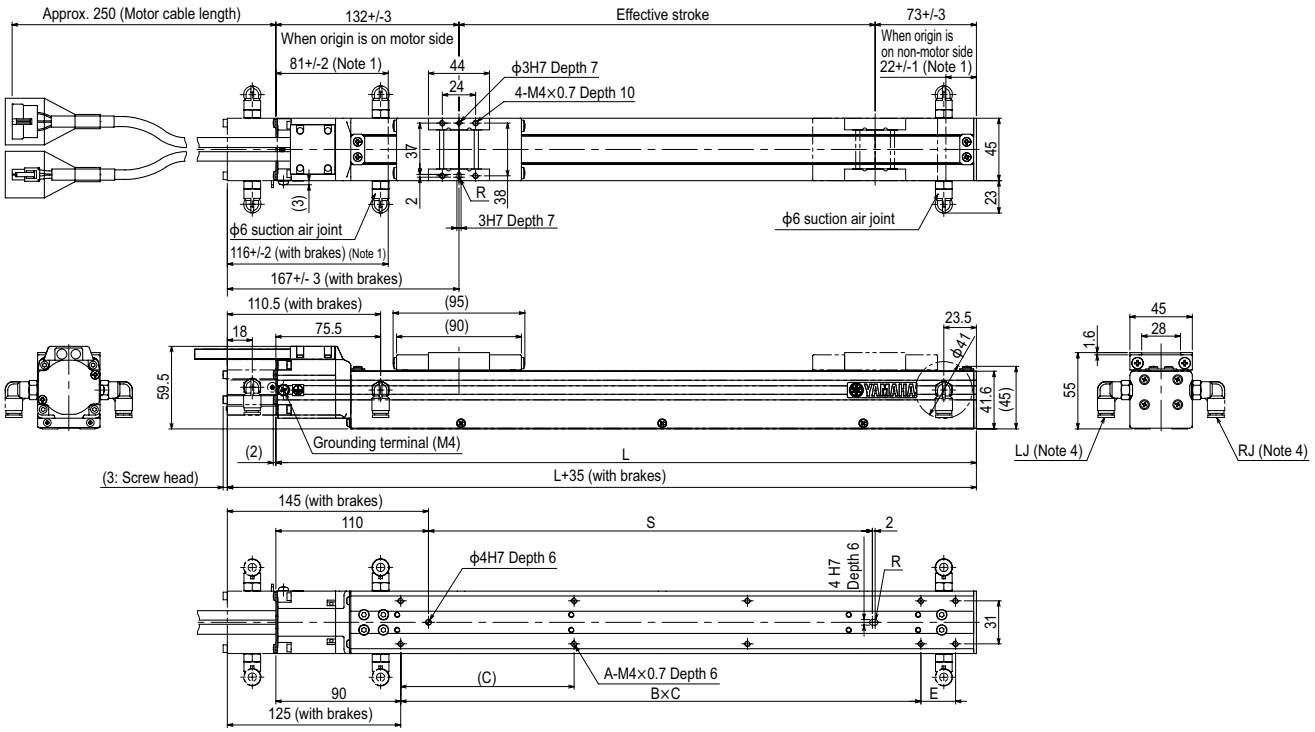
(Unit: N·m)

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	I/O point trace / Remote command
TS-X205	
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) Note 3		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 ϕ6 intake air joint. (The left side is the standard.)
Note 5. External view of C4LH is identical to C4L.

Controller SR1-X ▸ 652 TS-X ▸ 626 RDV-X ▸ 640