

Ordering method

C6											
Model	Lead	Brake	Direction of air coupler installation	Option	Stroke	Cable length	Controller	Driver	Usable for CE	Input/Output selection	Battery
	12: 12mm 6: 6mm	No entry: With no brake BK: With brake	L: Left (Standard) R: Right	Origin position None: Standard Z: Non-motor side	50 to 600 (50mm pitch)	3L: 3.5m (Standard) 5L: 5m 10L: 10m	SR1-X TS-X <small>Note 2</small>	05: 100W or less 105 (TS-X)	No entry: Standard E: CE marking	N: NPN P: PNP CC: CC-Link DN: DeviceNet PB: Profibus YC: YC-Link <small>Note 3</small>	No entry: None (Incremental specification) B: With battery (Absolute specification)

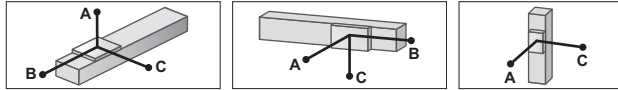
Note 1. The robot cable is a standard cable and may be changed to a flex-resistant type. (consult factory)
 Note 2. To find TS-X selection options, see the ordering method listed on each controller's page.
 Note 3. Available only for the SR1-X slave.

Basic specifications

AC servo motor output (W)	60
Repeatability <small>Note 1</small> (mm)	+/-0.02
Deceleration mechanism	Ball screw (Class C10)
Ball screw lead (mm)	12 6
Maximum speed (mm/sec)	800 400
Maximum payload (kg)	Horizontal: 12 30 Vertical: 4 8
Rated thrust (N)	85 170
Stroke (mm)	50 to 600 (50mm pitch)
Overall length (mm)	Horizontal: Stroke+247.5 Vertical: Stroke+282.5
Maximum outside dimension of body cross-section (mm)	W65 x H65
Cable length (m)	Standard: 3.5 / Option: 5, 10
Degree of cleanliness	CLASS 10 <small>Note 2</small>
Intake air (Nl/min)	20 to 30 <small>Note 3</small>

Note 1. Positioning repeatability in one direction.
 Note 2. Per 1cf (0.1µm base), when suction blower is used.
 Note 3. The necessary intake amount varies depending on the use conditions and environment.

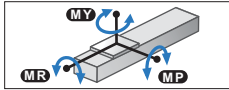
Allowable overhang



Horizontal installation (Unit: mm)				Wall installation (Unit: mm)				Vertical installation (Unit: mm)					
	A	B	C		A	B	C		A	B	C		
Lead 12	3kg	622	125	336	Lead 12	3kg	291	96	317	Lead 12	1kg	353	351
	8kg	271	41	121		8kg	87	13	110		2kg	163	164
	12kg	214	24	76		12kg	41	0	126		4kg	68	70
Lead 6	5kg	692	73	236	Lead 6	5kg	202	45	237	Lead 6	2kg	169	170
	10kg	372	33	109		10kg	70	5	97		4kg	71	73
	30kg	157	0	25		30kg	0	0	0		8kg	21	24

Note 1. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

Static loading moment



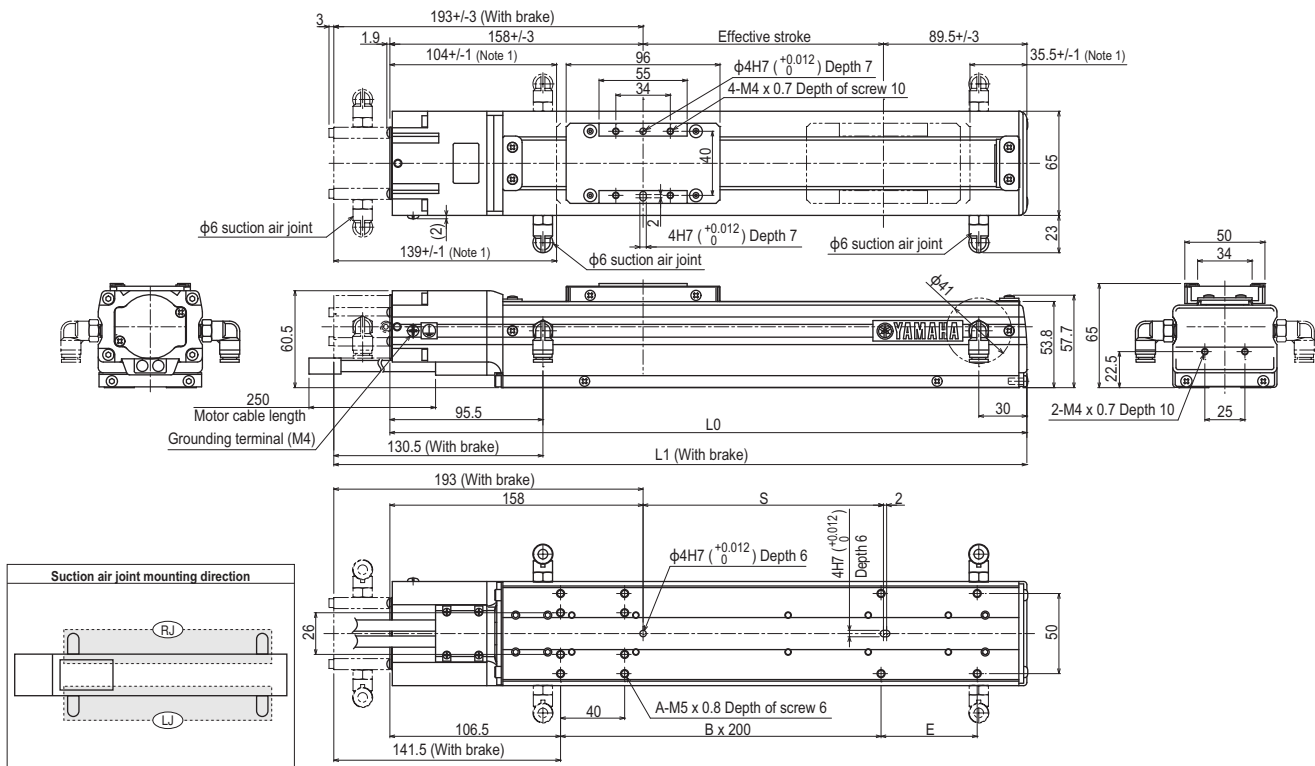
MY	MP	MR
35	40	50

(Unit: N-m)

Controller

Controller	Operation method
SR1-X-05	Programming / I/O point trace (BCD) / Remote command / Operation using RS-232C communication
TS-X105	I/O point trace (BCD)

C6



Effective stroke	50	100	150	200	250	300	350	400	450	500	550	600
A	10	10	10	12	12	12	12	14	14	14	14	16
B	0	0	0	1	1	1	1	2	2	2	2	3
E	150	200	200	100	100	200	200	100	100	200	200	100
L0	297.5	347.5	397.5	447.5	497.5	547.5	597.5	647.5	697.5	747.5	797.5	847.5
L1	332.5	382.5	432.5	482.5	532.5	582.5	632.5	682.5	732.5	782.5	832.5	882.5
S	50	100	150	200	250	300	350	400	450	500	550	600
Weight (kg) <small>Note 4</small>	2.7	3.0	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.4	5.7

Note 1. Distance from both ends to the mechanical stopper.
 Note 2. Either right or left can be selected for the installation direction for the φ6 intake air joint.
 Note 3. Minimum bend radius of motor cable is R50.
 Note 4. 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.