

C17

Origin on the non-motor side is selectable



Ordering method

C17	Model	Lead	Brake	Option	Stroke	Cable length	TSX	220													
		20: 20mm 10: 10mm	No entry: With no brake BK: With brake	Origin position change None: Standard Z: Non-motor side	200 to 1250 (50mm pitch)	3L: 3.5m 5L: 5m 10L: 10m 3K/5K/10K (Flexible cable)	Positioner TS-X	Driver: Power supply voltage / Power capacity 220: 200V/400 to 600W	Regenerative unit No entry: None R: With RGT	LCD monitor No entry: None L: With LCD	I/O selection N: NPN P: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board	Battery B: With battery (Absolute) N: None (Incremental)									
	SR1-X	20					Controller	Driver: Power capacity 20: 400 to 600W	Usable for CE No entry: Standard E: CE marking	Regenerative unit No entry: None R: With RG1	I/O selection N: NPN P: PNP CC: CC-Link DN: DeviceNet™ PB: PROFIBUS	Battery B: With battery (Absolute) N: None (Incremental)									
	RDV-X	2	20				Driver	Power supply voltage 2: AC200V		Regenerative unit 20: 400W or less	I/O selection RBR1 (Horizontal) RBR2 (Vertical)										

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)	400
Repeatability (mm)	+/-0.01
Deceleration mechanism	Ball screw φ20
Ball screw lead (mm)	20 10
Maximum speed (mm/sec)	1000 600
Maximum payload (kg)	Horizontal 80 120 Vertical 15 35
Rated thrust (N)	339 678
Stroke (mm)	200 to 1250 (50mm pitch)
Overall length (mm)	Horizontal Stroke+395 Vertical Stroke+425
Maximum outside dimension of body cross-section (mm)	W168 × H114
Cable length (m)	Standard: 3.5 / OP: 5, 10
Degree of cleanliness	CLASS 10
Intake air (Nl/min)	30 to 90

Note 1. Positioning repeatability in one direction.
 Note 2. When the stroke is longer than 950mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table below.
 Note 3. Per 1cf (0.1um base), when suction blower is used.
 Note 4. 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)					
Lead	Weight	A	B	Weight	A	B	C	Lead	Weight	A			
20	30kg	2660	871	1040	20	30kg	1017	789	2576	20	5kg	3000	3000
	50kg	1911	508	615		50kg	583	426	1808		10kg	2443	2443
	80kg	1541	303	377		80kg	338	221	1380		15kg	1633	1633
10	60kg	2443	418	580	10	60kg	525	336	2443	10	15kg	1728	1728
	100kg	2000	237	330		100kg	271	155	2000		25kg	1013	1013
	120kg	1841	192	268		120kg	207	109	1841		35kg	707	707

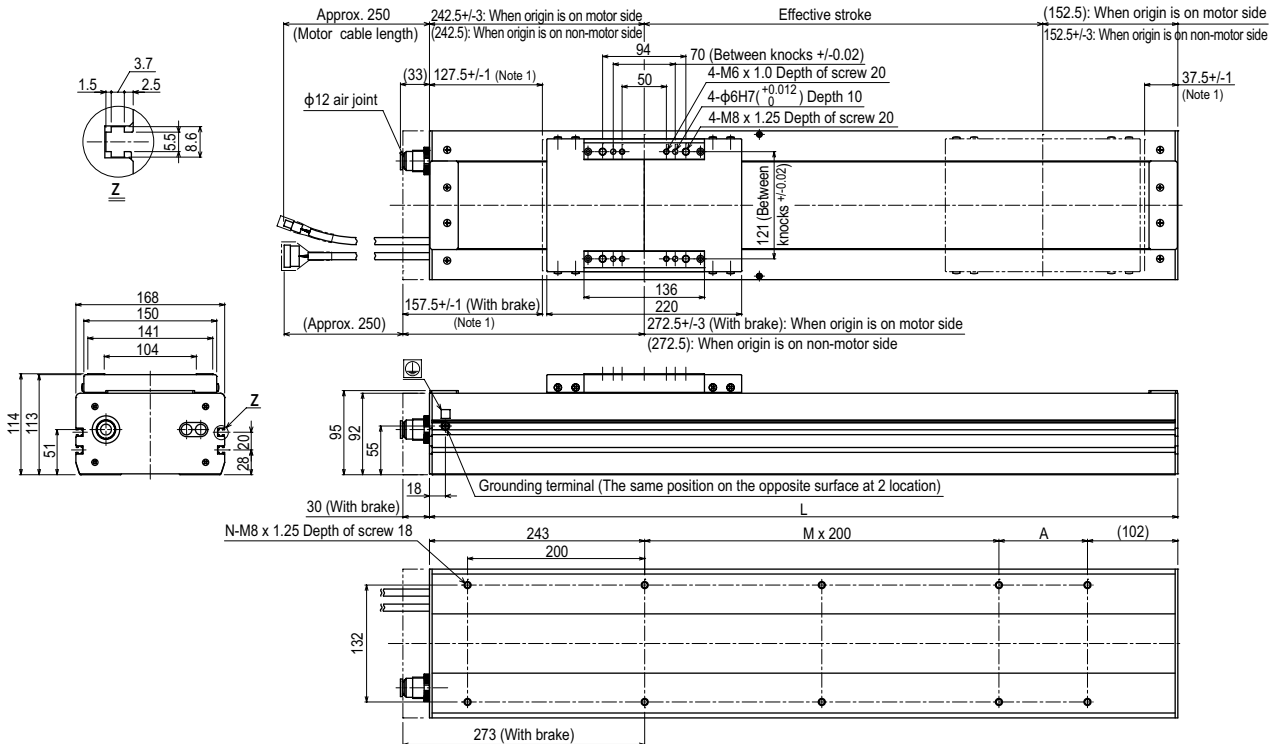
Note. Distance from center of slider top to center of gravity of object being carried at a guide service life of 10,000 km.

Controller

Controller	Operation method
SR1-X20	Programming / I/O point trace / Remote command / Operation using RS-232C communication
RCX320, RCX221/222, RCX340	
TS-X220	
TS-X220	I/O point trace / Remote command
RDV-X220-RBR1 (Horizontal)	Pulse train control
RDV-X220-RBR2 (Vertical)	

Note. [The following arrangements require a regeneration unit] • Using in the upright position.

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Effective stroke	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	595	645	695	745	795	845	895	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545	1595	1645
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18
Weight (kg)	15.0	16.0	17.0	17.9	18.9	19.8	20.8	21.7	22.7	23.6	24.6	25.5	26.5	27.4	28.4	29.3	30.3	31.2	32.2	33.1	34.1	35.0
Maximum speed (mm/sec)	Lead 20		1000																			
	Lead 10		500																			
Speed setting			-																			
			80%																			

Note 1. Stop positions are determined by the mechanical stoppers at both ends.
 Note 2. Minimum bend radius of motor cable is R50.
 Note 3. Weight of models with no brake. The weight of brake-attached models is 1.5 kg heavier than the models with no brake shown in the table.

Note 4. When the stroke is longer than 950mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table at the left.

Controller

SR1-X ▶ 652 TS-X ▶ 626 RDV-X ▶ 640