

C17L

Origin on the non-motor side is selectable

Note. Built-to-order product. Contact us for the delivery period.

Ordering method

C17L - 50

Model	Lead	Brake	Option	Stroke	Cable length
		No entry: With no brake BK: With brake	Origin position change None: Standard Z: Non-motor side	1150 to 2050 (100mm pitch)	3L: 3.5m 5L: 5m 10L: 10m 3K/5K/10K (Flexible cable)

Positioner	220	R	LCD monitor	I/O selection	Battery
TS-X	Driver: Power-supply voltage / Power capacity 220: 200V/400 to 600W	Regenerative unit R: With RGT	No entry: None L: With LCD	N: NPN P: PNP CC: CC-Link DN: DeviceNet™ EP: EtherNet/IP™ PT: PROFINET GW: No I/O board	B: With battery (Absolute) N: None (Incremental)

Controller	20	R	I/O selection	Battery
SR1-X	Driver: Power capacity 20: 400 to 600W	Usable for CE No entry: Standard E: CE marking	N: NPN P: PNP CC: CC-Link DN: DeviceNet™ PB: PROFIBUS	B: With battery (Absolute) N: None (Incremental)

Driver	2	20	Regenerative unit
RDV-X	Power-supply voltage 2: AC200V	Driver: Power capacity 20: 400W or less	RBR1 (Horizontal) RBR2 (Vertical)

Note 1. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable. See P.594 for details on robot cable.
 Note 2. See P.498 for DIN rail mounting bracket.
 Note 3. Acceleration / deceleration is different depending the Positioner or Controller or Driver.
 Note 4. Select this selection when using the gateway function. For details, see P.60.

Basic specifications

AC servo motor output (W)	600
Repeatability (mm)	+/-0.02
Deceleration mechanism	Ball screw (Class C10)
Ball screw lead (mm)	50
Maximum speed (mm/sec)	1000
Maximum payload (kg)	Horizontal: 50 Vertical: 10
Rated thrust (N)	204
Stroke (mm)	1150 to 2050 (100 pitch)
Overall length (mm)	Horizontal: Stroke+485 Vertical: Stroke+515
Maximum outside dimension of body cross-section (mm)	W168 x H114
Cable length (m)	Standard: 3.5 / Option: 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 1850mm, 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

Lead 50	Horizontal installation (Unit: mm)			Wall installation (Unit: mm)			Vertical installation (Unit: mm)			
	A	B	C	A	B	C	A	C		
10kg	4000	2687	3327	10kg	3436	2605	4000	2kg	1200	1200
30kg	3045	872	929	30kg	1169	790	3045	5kg	3000	3000
50kg	2602	509	714	50kg	666	427	2602	10kg	2579	2579

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

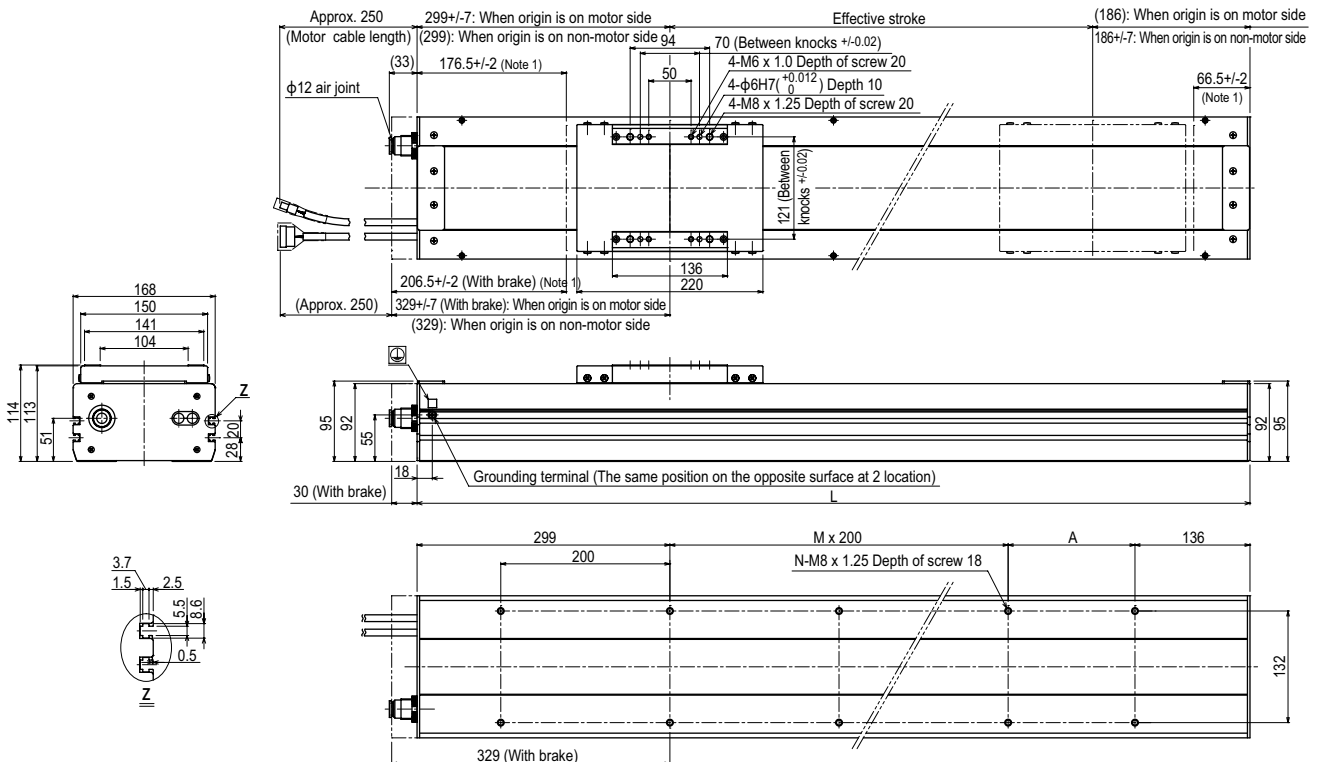
Static loading moment

(Unit: N·m)		
MY	MP	MR
1032	1034	908

Controller

Controller	Operation method
SR1-X20-R RCX221/222 RCX240/340	Programming / I/O point trace / Remote command / Operation using RS-232C communication
TS-X220-R	I/O point trace / Remote command
RDV-X220-RBR1 (Horizontal) RDV-X220-RBR2 (Vertical)	Pulse train control

C17L



Effective stroke	1150	1250	1350	1450	1550	1650	1750	1850	1950	2050
L	1635	1735	1835	1935	2035	2135	2235	2335	2435	2535
A	200	100	200	100	200	100	200	100	200	100
M	5	6	6	7	7	8	8	9	9	10
N	16	18	18	20	20	22	22	24	24	26
Weight (kg) Note 3	39.1	41.2	43.2	45.2	47.3	49.3	51.3	53.4	55.4	57.4
Maximum speed (mm/sec) Note 4	Lead 50					Speed setting				
	1000					-				
						90%				
						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 1850mm, 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.