■ Ordering method **C20** Model None: Standard 200 to 1250 (50mm pitch)

3.5m 5L: 5m 10L: 10m 3K/5K/10K (Flexible cable

Allowable overhang

**TSX** 220

I/O selection PN: PNP

Note 1. Only the model with specifications with brake (vertical specifications) can

select a lead of 10mm.

Note 2. 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 3. See P.498 for DIN rail mounting bracket.

■ Basic specifications

Intake air (Nl/min)

(mm/sec) Speed setting

Note 4. Acceleration / deceleration is different depending the Positioner or Controller or Driver.

Note 5. Select this selection when using the gateway function. For details, see P.60

Battery (Absolute No entry: None L: With LCD N: None GW: No I/O board Note: 20 SR1-X Usable for CE - Regenerative unit I/O selection Battery NPN PNP CC-Link CC: CC-LITIN DN: DeviceNet<sup>TI</sup> PB: PROFIBUS RDV-X 2 20

RBR1 (Horizontal) RBR2 (Vertical) Static loading moment

**45kg** 939 939

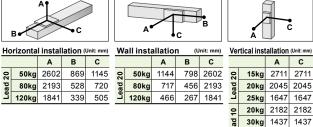
## AC servo motor output (W) Repeatability Note 1 (mm) 600 +/-0.01 **Deceleration mechanism** Ball screw (Class C7) Ball screw lead (mm) Maximum speed Note 2 (mm/sec) 1000 500 Maximum Horizontal 120 payload (kg) 45 Vertical 25 510 Rated thrust (N) 1020 Stroke (mm) 200 to 1250 (50mm pitch) Stroke+441 Overall length Horizontal (mm) Vertical Stroke+471 Maximum outside dimension W202 × H117 of body cross-section (mm) Cable length (m) Standard: 3.5 / Option: 5, 10 CLASS 10 Note 3 30 to 90 Note 4 Degree of cleanliness

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 (0.1µm base), when suction blower is used.

Note 4. The necessary intake amount varies depending on the use conditions and environment.



Distance from center of slider top to center of gravity of object being carried at a guide service life of  $10,000 \ \text{km}$ .

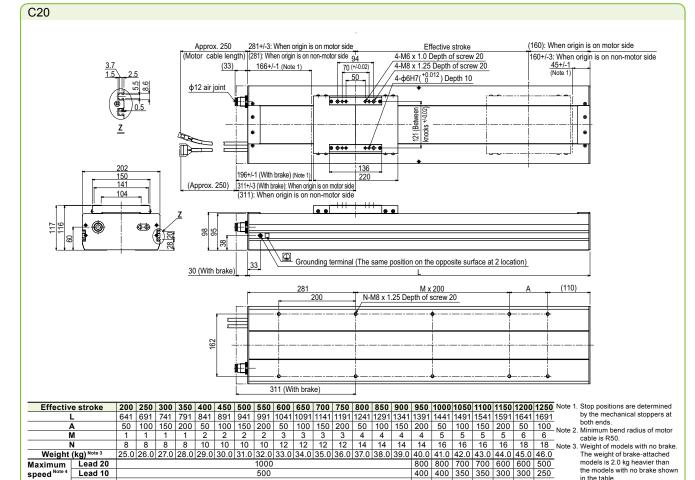


)	(Un		
	MY	MP	MR
_	1101	1103	968

## Controller

Controller	Operation method
and the Note	Programming /
SR1-X20 Note	I/O point trace /
RCX221/222	Remote command /
RCX240/340	Operation using RS-
	232C communication
TS Y220 Note	I/O point trace /
13-7220	Remote command
	Pulse train control (Horizontal)
RDV-X220-RBR2	Pulse train control (Vertical)

Note. Regenerative unit is required when used vertically and moving at maximum speeds exceeding 1000mm/sec.



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.

80% 80% 70% 70% 60% 60% 50%

in the table