

I = Incremental WA = Battery less absolute A = Absolute

Description	Model Name	External view	External dimensions (mm) (L x W x H)	Mass (Weight)	Motor type (W)	Operation range (deg)	Allowable dynamic thrust load (N)	Allowable load moment (N·m)	Deceleration ratio	Maximum Torque (N·m)	Maximum speed (deg/s)	Encoder	Positioning repeatability (deg)
ELECYLINDER	EC-RTC9		with brake 155 x 90 x 47 without brake 133 x 90 x 47	with brake 0.99 kg without brake 0.86 kg	24V Stepper motor	330	50	5	1/45	1.5	600	I	±0.05
	EC-RTC12		with brake 204.5 x 117 x 61 without brake 166.5 x 117 x 61	with brake 1.90 kg without brake 1.74 kg				400		Horizontal: 18, Vertical: 12			8.0
Stepper motor	RCP2-RTBS		72 x 46 x 70	0.52 kg	24V Stepper motor	330 (RTBS)	30	3.6	1/30	0.24	400	I	±0.05
	RCP2-RTBSL		88 x 42 x 83.5							with brake 1.2 kg without brake 0.86 kg			
	RCP2-RTB		124 x 76 x 107	with brake 3.0 kg without brake 2.3 kg	24V Stepper motor	330 (RTB)	200	17.7	1/20	3	600	I	±0.01
	RCP2-RTBL									360 (RTBL)			
	RCP2-RTBB		72 x 68 x 45	0.48 kg	24V Stepper motor	330 (RTBS)	30	3.6	1/45	0.24	400	I	±0.05
	RCP2-RTBBL									360 (RTBBL)			
	RCP2-RTCS		88 x 81 x 55	with brake 1.3 kg without brake 0.92 kg	24V Stepper motor	330 (RTCS)	50	3.9	1/20	1.1	600	I	±0.01
	RCP2-RTCSL									360 (RTCSL)			
	RCP2-RTCB		124 x 114 x 68	with brake 2.9 kg without brake 2.2 kg	24V Stepper motor	330 (RTCB)	20	17.7	1/20	3	600	I	±0.01
RCP2-RTCBL		360 (RTCBL)								20			
RCP6-RTFML		MT: 224.5 x 90 x 169.5 MR: 171.5 x 140 x 169.5	with brake 2.9 kg without brake 2.2 kg	24V Stepper motor	±180	600	30	1/30	5.2	800	WA	±0.01	
Servo Motor 200V	RCS2-RTC8L <small>(Small standard)</small>		135 x 85 x 77	8L-with brake: 2.1 kg 8L-without brake: 2.3 kg	200V AC servo motor (20W)	360	400	5	1/24	0.55	750	I A	±0.005
	RCS2-RTC8HL <small>(Small-high power)</small>		150 x 85 x 77	8HL-with brake: 2.4 kg 8HL-without brake: 2.2 kg	200V AC servo motor (30W)					1/15			
	RCS2-RTC10L <small>(Medium)</small>		171 x 99 x 86	with brake 3.5 kg without brake 3.3 kg	200V AC servo motor (60W)	360	600	10	1/15	1.7	1200	I A	±0.005
	RCS2-RTC12L <small>(Large)</small>		233 x 123 x 92	with brake 6.5 kg without brake 6.2 kg	200V AC servo motor (150W)	360	800	25	1/18	5.6	800	I A	±0.005
	RS-30		112 x 64.5 x 207	2.0 kg	200V AC servo motor (30W)	360	392	9.8	1/50	6.6	360	I A	±0.028
	RS-60		112 x 83 x 250	3.2 kg	200V AC servo motor (60W)	360	980	24.5	1/50	11.17	360	I A	±0.028

AI = Index absolute AM = Multi-rotation absolute

Description	Model Name	External view	External dimensions (mm) (L x W x H)	Mass (Weight)	Motor type (W)	Allowable load moment (N·m)	Encoder type	Encoder (bit)	Operation Range (deg/s)	Maximum Torque (N·m)	Maximum speed (deg/s)	Positioning repeatability
Direct Drive Motor	DDA-LT18C		φ180 x 70	5.8 kg	Direct Motor Drive (200 W)	80	AI	Standard (17bit)	0~359.99	25.2	1800	±19.8sec. (±0.0055deg.)
							AM	High resolution (20bit)				±3.7sec. (±0.00103deg.)
	DDA-LT18C-B (with brake)		φ180 x 118	8.7 kg	Direct Motor Drive (200 W)	80	AI	Standard (17bit)	0~359.99	25.2	1800	±19.8sec. (±0.0055deg.)
							AM	High resolution (20bit)				±3.7sec. (±0.00103deg.)
	DDA-LH18C		φ180 x 122.8	13 kg	Direct Motor Drive (600 W)	80	AI	Standard (17bit)	0~359.99	75	1440	±19.8sec. (±0.0055deg.)
							AM	High resolution (20bit)				±3.7sec. (±0.00103deg.)
	DDA-LH18C-B (with brake)		φ180 x 187.8	17.4 kg	Direct Motor Drive (600 W)	80	AI	Standard (17bit)	0~359.99	75	1440	±19.8sec. (±0.0055deg.)
							AM	High resolution (20bit)				±3.7sec. (±0.00103deg.)
DDW Dust-proof/splashproof	DDW-LH18C		195 x 195 x 160.5	18.8 kg	Direct Motor Drive (600 W)	80	AI AM	Standard (17bit) High resolution (20bit)	0~359.99	67	1440	17bit: ±19.8 (±0.0055deg.) 20bit: ±3.7 (±0.00103deg.)
DDA cleanroom	DDACR-LT18C		φ180 x 70	5.8 kg	Direct Motor Drive (200 W)	80	AI	Standard (17bit)	0~359.99	25.2	1800	±19.8sec. (±0.0055deg.)
							AM	High resolution (20bit)				±3.7sec. (±0.00103deg.)
	DDACR-LH18C		φ180 x 122.8	13 kg	Direct Motor Drive (600 W)	80	AI	Standard (17bit)	0~359.99	75	1440	±19.8sec. (±0.0055deg.)
							AM	High resolution (20bit)				±3.7sec. (±0.00103deg.)

Description	External view	Axis configuration	External Dimension (mm) (L x W x H)	Mass (Weight)	Deceleration ratio	Positioning repeatability	Max. Torque (N·m)	Max. allowable moment of Inertia (kgm²)	Operation Range	Max load weight (kg)	Brake retaining torque (N·m)	Motor type
RCP6-RTFML		B-axis (wrist swing)	26 x 20 X 68	with brake 2.2kg without brake 2.1kg	1/30	±0.01	5.2	0.08	±180 deg.	1kg	4,2	42□ stepper motor

Model Name	External view	Axis configuration	External Dimension (mm) (L x W x H)	Mass (Weight)	Operation Range	Max. Torque (N·m)	Max. allowable moment of Inertia (kgm²)	Max load weight (kg)	Independent operation speed (deg/s)	Simultaneous operation speed of the B and T axis (deg/s)	Max. operation without load torque (deg/s²)	Max. operation with load torque (deg/s²)	Motor type
WU-S		B-axis (wrist swing)	26 x 20 X 68	1.6kg	±100 deg.	0.65	0.0085	1kg	750	600	0.7G (6865)	0.3G (2942)	28□ stepper motor
		T-axis (wrist rotation)											
WU-M		B-axis (wrist swing)	26 x 20 X 68	2.8kg	±105 deg.	1.65	0.015	2kg	900	600	0.7G (6865)	0.3G (2942)	28□ stepper motor
		T-axis (wrist rotation)											

Model Name	External view	Type	External Dimension (mm) (L x W x H)	Mass (Weight)	Rotation operation range (deg)	Max. Rotation speed (deg/s)	Max. Torque (N·m)	Allowable moment of inertia (kgm²)	Gripper stroke (mm)	Max. Grip force (N)	Grip operation time (S)	Grip operation frequency (CRM)
RCP6-RTCKSPE/RTCKSPI		Parallel	with brake 79.5 x40 X 208.5 without brake 79.5 x40 X 183.5	with brake 0.73kg without brake 0.67kg	0~360	1800	0.29	0.00023	4 (2 per side)	10 (5 per side)	0.03 or less	120
RCP6-RTCKSPE/RTCKSRI		Side-mounted	with brake 79.5 x40 X 125.5 without brake 79.5 x40 X 100.5	with brake 0.74kg without brake 0.68kg						0.36		
RCP6-RTCKMPE/RTCKMPI		Parallel	with brake 85.5 x48 X 222.5 without brake 85.5 x48 X 197.5	with brake 0.94kg without brake 0.88kg								
RCP6-RTCKMPE/RTCKMRI		Side-mounted	with brake 85.5 x48 X 128.5 without brake 85.5 x48 X 103.5	with brake 0.94kg without brake 0.88kg								