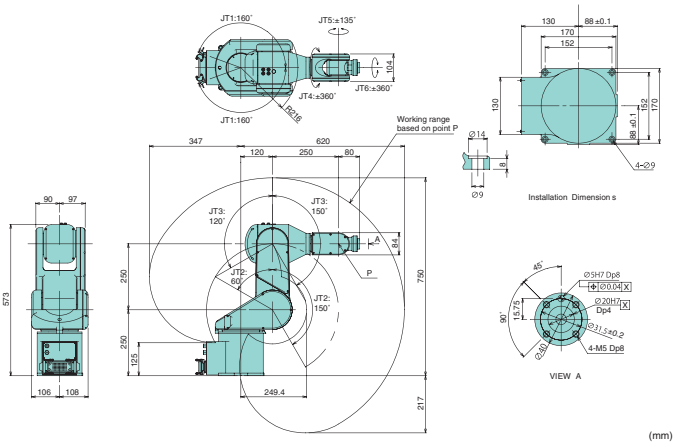
Kawasaki Robotics (USA), Inc.

RS03N

Product Specification

Standard Applications:

- Arc Welding
- Dispensing
- Sealing
- Material Handling
- Material Removal
- Machine Tending
- Assembly
- Inspection



(mm)

Arm Type	Articulated		
Degrees of Freedom	6		
Axes Work Envelope and Maximum Speed	**Axis**	**Work Envelope**	**Maximum Speed**
	Arm Rotation (JT1)	± 160°	360° /s
	Arm Out-In (JT2)	+150° ~ -60°	250° /s
	Arm Down-Up (JT3)	+120° ~ -150°	225° /s
	Wrist Swivel (JT4)	± 360°	540° /s
	Wrist Bend (JT5)	± 135°	225° /s
	Wrist Twist (JT6)	± 360°	540° /s
Position Repeatability	±0.05 mm		
Payload	3 kg		
Maximum Speed	6,000 mm/s		
Wrist Load Capacity	(kgf * m * s²) (kg * mm²) (Note)		
		Torque	Moment of Inertia
	JT4	5.8 N*m	0.12 kg*m²
	JT5	5.8 N*m	0.12 kg*m²
	JT6	2.9 N*m	0.03 kg*m²
	* Note: each value in this table shows allowable moment of inertia of JT4/JT5/JT6 when maximum allowed torque is applied to each axis. If more detailed data is required for your application, please contact Kawasaki.		
Driving Motor	Brushless AC Servomotor		
Mass	20 kg (excluding options)		
Color	Kawasaki Standard		
Installation	Floor, Ceiling and Wall Mount		
Ambient Temperature Relative Humidity	0 ~ 45° C for manipulator 35 ~ 85% non-condensing		
Power/Signal Cable Length	5 m		
Built-in Circuit	Built-in Sensor Harness; 4 Circuits, 24 VDC, GND		
Pneumatic Piping	Built-in Pneumatic Piping		
Options	Power/Signal Cable Length: 10 m, 15 m		
	Built-in Valve		
	Riser		
Consult us about Maintenance Parts and Spare Parts.			

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