



Standard Specifications

RS003N-A

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Kawasaki Heavy Industries, Ltd.
Robot Business Division

Specification number : 90151-0095DEC

Robot specifications

1. Model	RS003N-A																						
2. Type	Articulated robot																						
3. Degree of freedom	6 axes																						
4. Max. payload	3 kg																						
5. Max. reach	620 mm																						
6. Position repeatability	±0.02 mm (wrist flange surface) conforms to ISO 9283																						
7. Axis specification	<table border="1"> <thead> <tr> <th>Operating axis</th> <th>Motion range</th> <th>Max. speed</th> </tr> </thead> <tbody> <tr> <td>Arm rotation (JT1)</td> <td>±160 °</td> <td>360 °/s</td> </tr> <tr> <td>Arm out-in (JT2)</td> <td>+150 ° - -60 °</td> <td>250 °/s</td> </tr> <tr> <td>Arm up-down (JT3)</td> <td>+120 ° - -150 °</td> <td>225 °/s</td> </tr> <tr> <td>Wrist swivel (JT4)</td> <td>±360 °</td> <td>540 °/s</td> </tr> <tr> <td>Wrist bend (JT5)</td> <td>±135 °</td> <td>225 °/s</td> </tr> <tr> <td>Wrist twist (JT6)</td> <td>±360 °</td> <td>540 °/s</td> </tr> </tbody> </table>		Operating axis	Motion range	Max. speed	Arm rotation (JT1)	±160 °	360 °/s	Arm out-in (JT2)	+150 ° - -60 °	250 °/s	Arm up-down (JT3)	+120 ° - -150 °	225 °/s	Wrist swivel (JT4)	±360 °	540 °/s	Wrist bend (JT5)	±135 °	225 °/s	Wrist twist (JT6)	±360 °	540 °/s
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9. Mass	20 kg (without options)																						
10. Mounting	Floor or Ceiling mounting																						
11. Installation Environment	Ambient Temperature: 0 - 45 °C																						
	Relative Humidity: 35 - 85 % (with no dew condensation)																						
12. Color	Munsell 10GY9/1 equivalent																						
13. Degree of protection	IP54 equivalent																						
14. Built-in utilities	Pneumatic piping (φ4 × 2 lines)																						
15. Options	Sensor harness	4 circuits																					
	Solenoid valve	Double solenoid / Single solenoid valves (2 units max.)																					
	Color																						

Consult Kawasaki about maintenance parts and spare parts.

