



Standard Specifications

RA010N-A

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Kawasaki Heavy Industries, Ltd.
Robot Business Division

Specification number : 90151-0192DEC

Robot specifications

1. Model	RA010N-A																							
2. Type	Articulated robot																							
3. Degree of freedom	6 axes																							
4. Max. payload	10 kg																							
5. Max. reach	1,450 mm																							
6. Position repeatability	±0.03 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>±180 °</td> <td>250 °/s</td> </tr> <tr> <td>Arm out-in (JT2)</td> <td>+145 ° - -105 °</td> <td>250 °/s</td> </tr> <tr> <td>Arm up-down (JT3)</td> <td>+150 ° - -163 °</td> <td>215 °/s</td> </tr> <tr> <td>Wrist swivel (JT4)</td> <td>±270 °</td> <td>365 °/s</td> </tr> <tr> <td>Wrist bend (JT5)</td> <td>±145 °</td> <td>380 °/s</td> </tr> <tr> <td>Wrist twist (JT6)</td> <td>±360 °</td> <td>700 °/s</td> </tr> </tbody> </table>		Operating axis	Motion range	Max. speed	Arm rotation (JT1)	±180 °	250 °/s	Arm out-in (JT2)	+145 ° - -105 °	250 °/s	Arm up-down (JT3)	+150 ° - -163 °	215 °/s	Wrist swivel (JT4)	±270 °	365 °/s	Wrist bend (JT5)	±145 °	380 °/s	Wrist twist (JT6)	±360 °	700 °/s	
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9. Mass	150 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	IP65 equivalent																							
14. Built-in utilities	Pneumatic piping (φ8 × 2 lines)																							
15. Options	<table border="1"> <tbody> <tr> <td>Shock sensor</td> <td>by KHI, Others</td> </tr> <tr> <td>Torch bracket</td> <td>for 350A / 500A</td> </tr> <tr> <td>Solenoid valve</td> <td>Double solenoid / Single solenoid valves (3 units max.)</td> </tr> <tr> <td>Mechanical stopper</td> <td>Adjustable stoppers JT1/JT2/JT3</td> </tr> <tr> <td>Color</td> <td></td> </tr> <tr> <td>Mounting</td> <td>Wall mounting</td> </tr> <tr> <td>Installation stand</td> <td>300 mm / 600 mm height</td> </tr> <tr> <td>Base plate</td> <td>750 mm × 750 mm</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>		Shock sensor	by KHI, Others	Torch bracket	for 350A / 500A	Solenoid valve	Double solenoid / Single solenoid valves (3 units max.)	Mechanical stopper	Adjustable stoppers JT1/JT2/JT3	Color		Mounting	Wall mounting	Installation stand	300 mm / 600 mm height	Base plate	750 mm × 750 mm						
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Consult Kawasaki about maintenance parts and spare parts.

