



Standard Specifications

BA006L-B

1st ed. 05-Oct-21

Kawasaki Heavy Industries, Ltd.
Robot Business Division

Specification number : 90151-0369DEA

Materials and specifications are subject to change without notice.

Robot specifications

1. Model	BA006L-B																						
2. Type	Articulated robot																						
3. Degree of freedom	6 axes																						
4. Max. payload	6 kg																						
5. Max. reach	2,036 mm																						
6. Position repeatability	±0.08 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>±165 °</td><td>210 °/s</td></tr> <tr> <td>Arm out-in (JT2)</td><td>+150 ° - -90 °</td><td>210 °/s</td></tr> <tr> <td>Arm up-down (JT3)</td><td>+90 ° - -175 °</td><td>220 °/s</td></tr> <tr> <td>Wrist swivel (JT4)</td><td>±180 °</td><td>430 °/s</td></tr> <tr> <td>Wrist bend (JT5)</td><td>±135 °</td><td>430 °/s</td></tr> <tr> <td>Wrist twist (JT6)</td><td>±360 °</td><td>650 °/s</td></tr> </tbody> </table>		Operating axis	Motion range	Max. speed	Arm rotation (JT1)	±165 °	210 °/s	Arm out-in (JT2)	+150 ° - -90 °	210 °/s	Arm up-down (JT3)	+90 ° - -175 °	220 °/s	Wrist swivel (JT4)	±180 °	430 °/s	Wrist bend (JT5)	±135 °	430 °/s	Wrist twist (JT6)	±360 °	650 °/s
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9. Mass	160 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. Built-in utilities	Pneumatic piping (φ8 × 1 line), Gas piping (φ8 × 1 line) Internal welding cable (60sq, from BASE(JT1) to JT3)																						
14. Options	Shock sensor	Shock sensor made by BINZEL, TOKIN, Others																					
	Welding torch	350A/ 500A, air cooling/water cooling * include welding cable from torch to wire feeder Welding cable for wire feeder made by DAIHEN, Others																					
	Solenoid valve	Double solenoid / Single solenoid valves (2 units max.)																					
	Mechanical stopper	Adjustable mechanical stopper JT1																					
	Installation stand	300 mm / 600 mm height																					
	Installation base plate	750 mm × 750 mm																					
	Color																						

- Consult Kawasaki about maintenance parts and spare parts.
- This robot is for arc welding only. If you are willing to use this robot for other application, please consult us.

