



Standard Specifications

CP110L-A

1st ed. 13-Jan-26

2nd ed. 03-Feb-26

Kawasaki Heavy Industries, Ltd.
Robot Business Division

Specification number : 90151-0442DEB

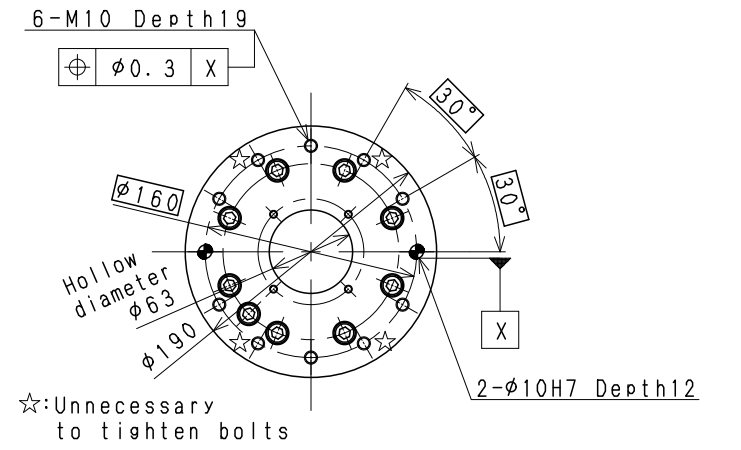
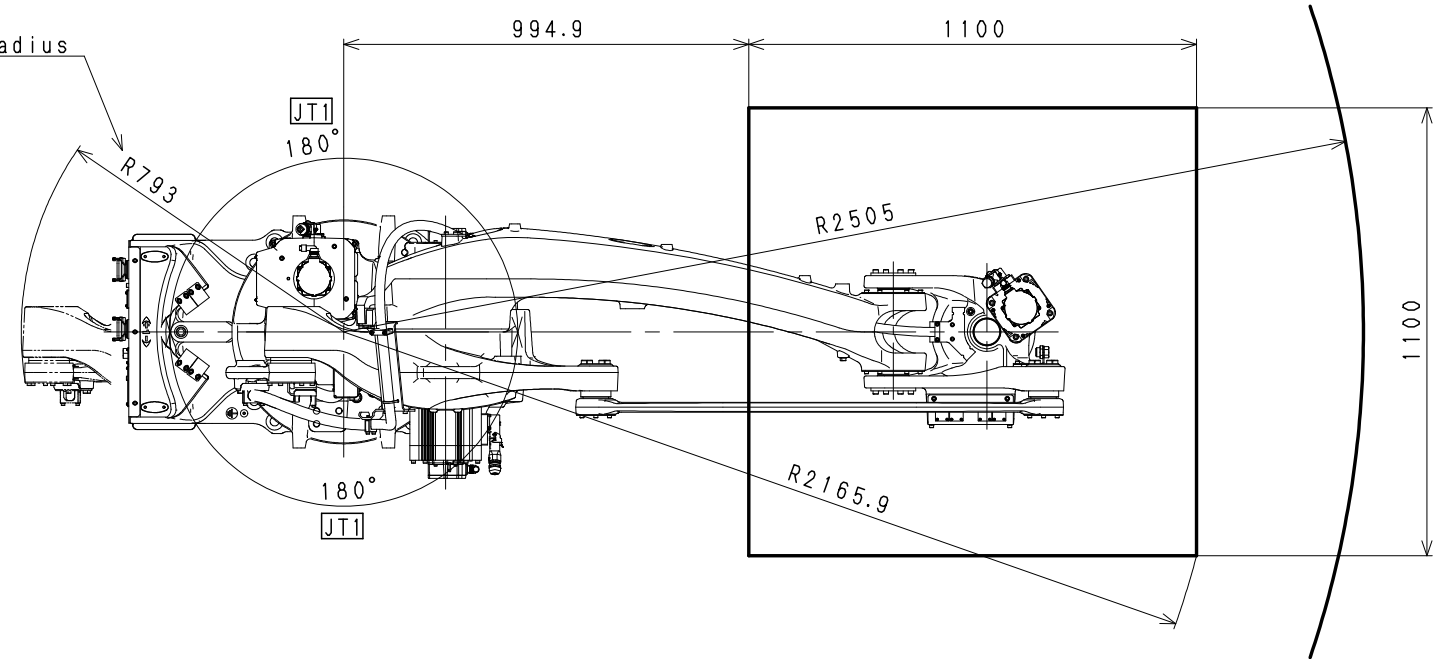
Materials and specifications are subject to change without notice.

Robot specifications

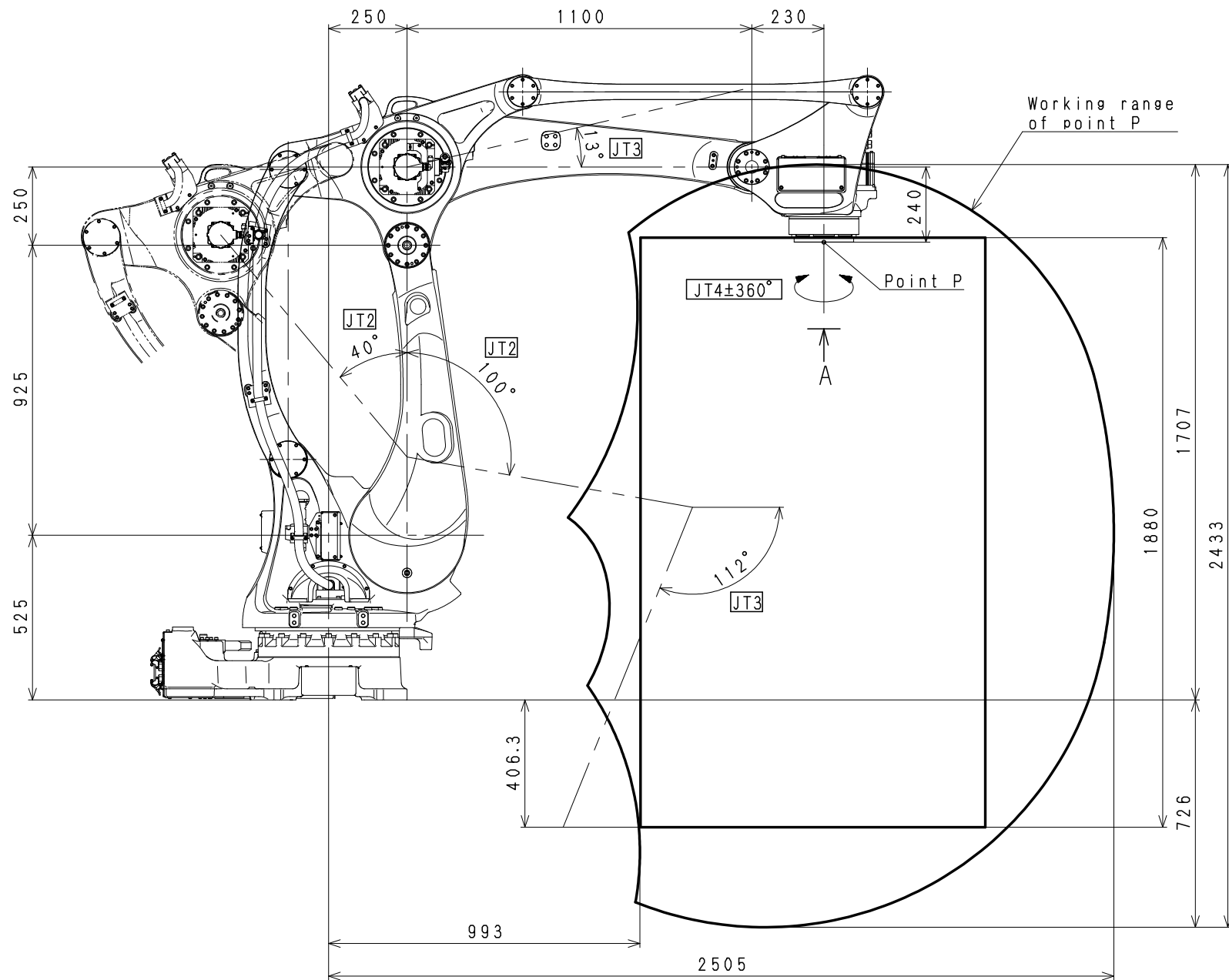
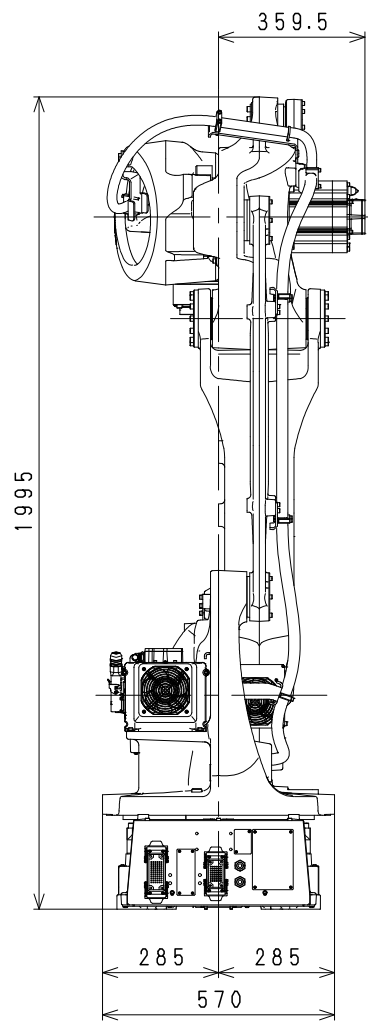
1. Model	CP110L-A																
2. Type	Articulated robot																
3. Degree of freedom	4 axes																
4. Max. payload	110 kg																
5. Max. reach	2,505 mm																
6. Palletizing Capacity	Approx. 2,200 cycles/h																
Condition	Load 60 kg, up-down 400 mm, right-left 2,000 mm																
7. Position repeatability	±0.05 mm (wrist flange surface) conforms to ISO 9283																
8. 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>145 ° /s</td> </tr> <tr> <td>Arm out-in (JT2)</td> <td>+100 ° - -40 °</td> <td>140 ° /s</td> </tr> <tr> <td>Arm up-down (JT3)</td> <td>+13 ° - -112 °</td> <td>170 ° /s</td> </tr> <tr> <td>Wrist twist (JT4)</td> <td>±360 °</td> <td>420 ° /s</td> </tr> </tbody> </table>		Operating axis	Motion range	Max. speed	Arm rotation (JT1)	±180 °	145 ° /s	Arm out-in (JT2)	+100 ° - -40 °	140 ° /s	Arm up-down (JT3)	+13 ° - -112 °	170 ° /s	Wrist twist (JT4)	±360 °	420 ° /s
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9. Load capacity of wrist	<table border="1"> <thead> <tr> <th></th> <th>Max. torque</th> <th>Moment of inertia*</th> </tr> </thead> <tbody> <tr> <td>JT4</td> <td>—</td> <td>70 kg·m²</td> </tr> </tbody> </table> <p>Note* Value in this table shows allowable moment of inertia of JT4 when max. allowed torque is applied to the axis. If more detailed data is required for your application, please contact Kawasaki.</p>			Max. torque	Moment of inertia*	JT4	—	70 kg·m ²									
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JT4	—	70 kg·m ²															
10. Mass	820 kg (without options)																
11. Mounting	Floor mounting																
12. Installation Environment	Ambient Temperature: 0 - 45 °C																
	Relative Humidity: 35 - 85 % (with no dew condensation)																
13. Color	Munsell 10GY9/1 equivalent																
14. Degree of protection	IP54 equivalent																
15. Built-in utilities	Air tube to operate the hand (φ12 × 2 line)																
16. Options	Mechanical Stopper	Adjustable stopper JT1															
	Valve harness	8 point															
	Sensor harness	12 point															
	Fork Pocket																
	Air cleaning equipment																
	Servo on lamp																

Consult Kawasaki about maintenance parts and spare parts.

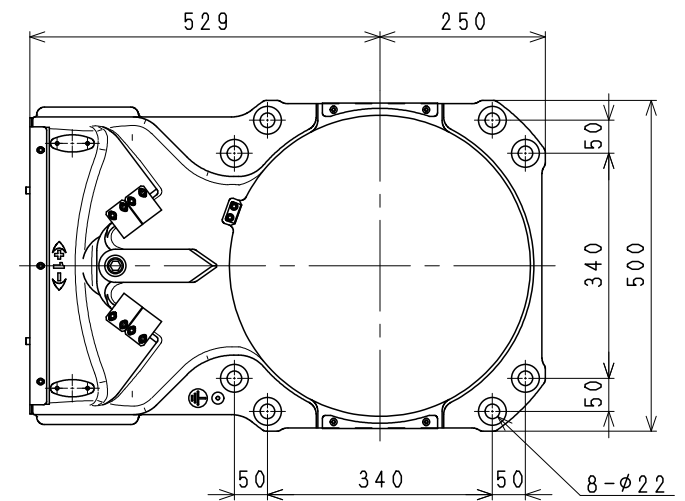
Rear side interference radius



VIEW A



Working range of point P



Installation dimensions

CP110L
WORKING RANGE