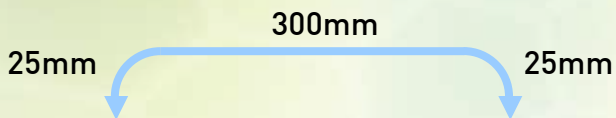


# Robot RA605 Series

A compact 6-axis jointed robot for complex assembly and processing tasks.  
Applications from transport of mechanical parts to assembly of electrical parts.  
Multiple installation method: Floor, ceiling, and wall.

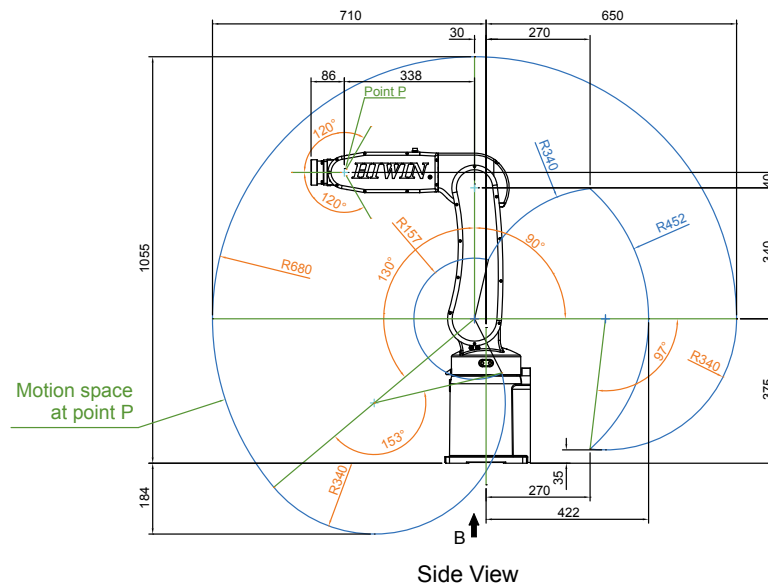
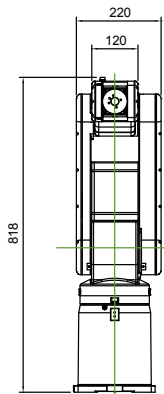
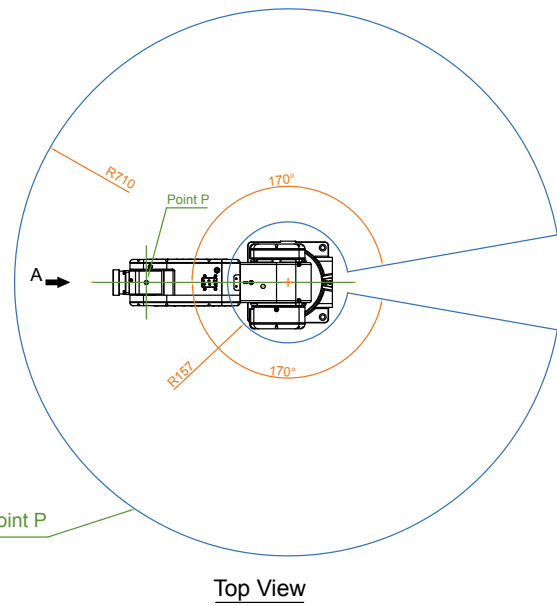
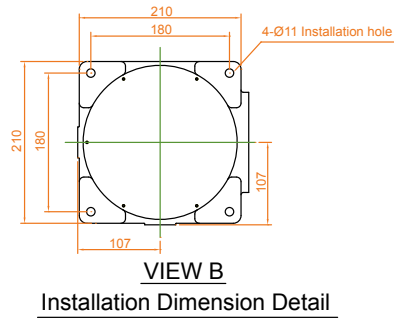
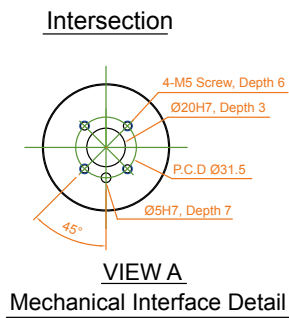


Cycle time is based on back-and-forth movement over a vertical distance of 25 mm and horizontal distance of 300 mm when the load is 1kg.

## Specification

Model	unit	RA605-710
Degrees of freedom		6
Maximum load capacity	kg	6
Maximum reach radius	mm	710
Operating Range (MaximumSpeed)	J1	±170 (360)
	J2	+130~-90 (288)
	J3	+70~-190 (420)
	J4	±190 (450)
	J5	±120 (450)
	J6	±360 (720)
Cycle time*1	sec	0.5
Position repeatability	mm	±0.02
Allowable load moment at wrist	J4	8.5
	J5	8.5
	J6	5.6
Allowable load inertia at wrist	J4	0.3
	J5	0.3
	J6	0.1
Tool wiring		Hand: 4 output point/4 input point
Tool pneumatic pipes		Secondary:φ4×6
Machine cable	m	3 (connector on both end)
Connected controller		XRC6
Mass	kg	40 (Without controller)

# External Dimensions / Operating Range



**HIWIN®**  
Motion Control and System Technology



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