

Heavy duty handling robots lift loads of 350kg

MC350



MC350

◆ Robot specifications

Item		Specifications		
Robot model		MC350-01		
Structure		Articulated		
Number of axes		6		
Drive system		AC servo system		
Max. operating area	Arm	J1	Swivel	±3.14rad(±180°)
		J2	Forward/backward	+0.70～-1.75rad(+40°～-100°)
		J3	Upward/downward	+2.27～-3.14rad(+130°～-180°)
	Wrist	J4	Rotation2	±6.28rad(±360°)
		J5	Bend	±2.18rad(±125°)
		J6	Rotation1	±6.28rad(±360°)
	Arm	J1	Swivel	1.83rad/s(105°/s)
		J2	Forward/backward	1.66rad/s(95°/s)
		J3	Upward/downward	1.66rad/s(95°/s)
	Wrist	J4	Rotation2	1.92rad/s(110°/s)
		J5	Bend	1.92rad/s(110°/s)
		J6	Rotation1	3.14rad/s(180°/s)
Payload	Wrist		350kg	
	Forearm*1		Max. 50kg	
Allowable static load torque	J4	Rotation2	2750N·m	
	J5	Bend	2750N·m	
	J6	Rotation1	1235N·m	
Max. allowable moment of inertia*2	J4	Rotation2	400kg·m ²	
	J5	Bend	400kg·m ²	
	J6	Rotation1	250kg·m ²	
Repeatability*3		±0.2mm		
Ambient temperature		0～45°C		
Ambient humidity		20～85%RH(without condensation)		
Vibration		Less than 0.5G		
Installation		Floor		
Robot mass		1620kg		

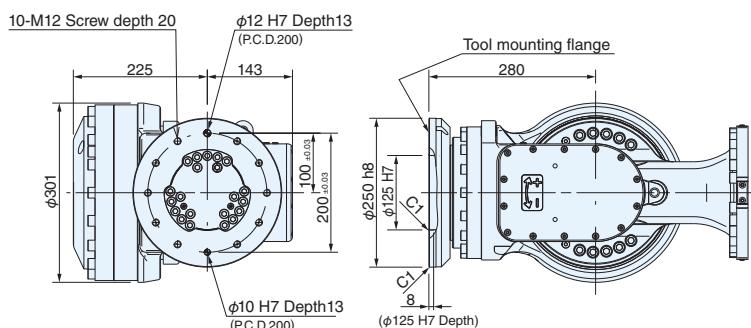
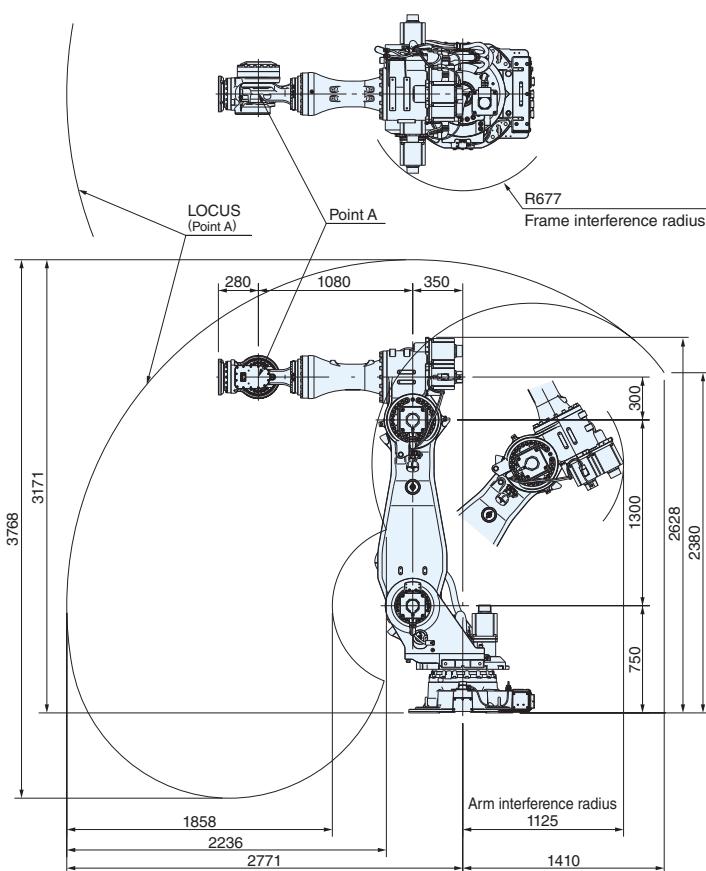
$$1[\text{rad}] = 180/\pi[\text{°}], \quad 1[\text{N}\cdot\text{m}] = 1/9.8[\text{kgt}\cdot\text{m}]$$

*1 : This value varies from the installed position and the wrist load mass.

*2 : Note that wrist moment of inertia varies depending on wrist load conditions.

*3 : IIS B 8432 compliant

◆ Exterior dimensions and operating envelope



- The specifications are subject to changes without notice.
 - In case that an end user uses this product for military purpose or production of weapon, this product may be liable for the subject of export restriction stipulated in the Foreign Exchange and Foreign Trade Control Law. Please go through careful investigation and necessary formalities for export.

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