



OTC DAIHEN EUROPE

**Roboter – Technische Daten
Manipulator Specifications**

FD-V210

Model		FD-V210	
Kinematic		Vertical artic. type	
No. of Axes		6	
P-Point (Working Range)		R 2,674 mm	
Maximum Payload Capacity		210 kg	
Positional Repeatability(*1)		± 0.15 mm	
Driving Method		AC Servo Motor	
Working Range	Arm	J1 (Rotation)	-± 180°
		J2 (Vertical)	-80° ≈ +60°
		J7	
	Wrist	J3* (Rotation)	-146,5° ≈ +150°
		J4 (Rotation)	± 360°
		J5 (Bending)	± 130°
Maximum Speed	Arm	J6 (Rotation)	± 360°
		J1 (Rotation)	115°/s
		J2 (Vertical)	105°/s
	Wrist	J7	
		J3* (Rotation)	113°/s
		J4 (Rotation)	140°/s
Maximum Payload	Allowable Moment	J5 (Bending)	133°/s
		J6 (Rotation)	200°/s
		J1 (Rotation)	1337 Nm
		J2 (Vertical)	1337 Nm
		J3* (Rotation)	720 Nm
		J4 (Rotation)	141.1 kg/m ²
Ambient Temp./Humidity		0 ≈ 45°, 20 ≈ 85%	
Mass (weight)		990 kg	
Upper arm max. Carrying capacity(*2)		90 kg	
Origin Return		Note 3	
Installation Position		F	



J3* (Rotation): A combined rotation of the axes J2 and J3

Note 1: Measured value obtained after sufficient repetition of automatic operation for stabilizing conditions.

Note 2: When the output flange of the wrist axis is loaded with maximum payload capacity.

Note 3: Positional data protected by battery-backed storage inside the manipulator.

F = Floor W = Wall C = Ceiling



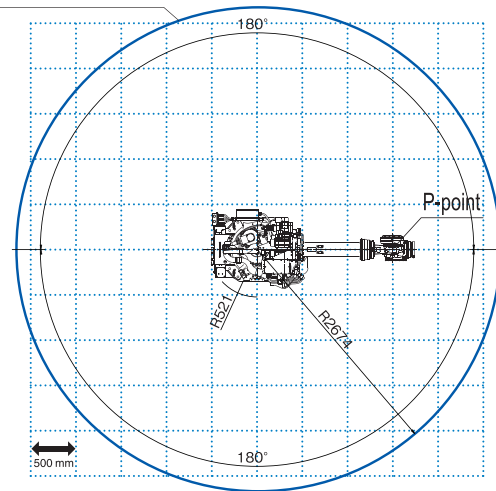
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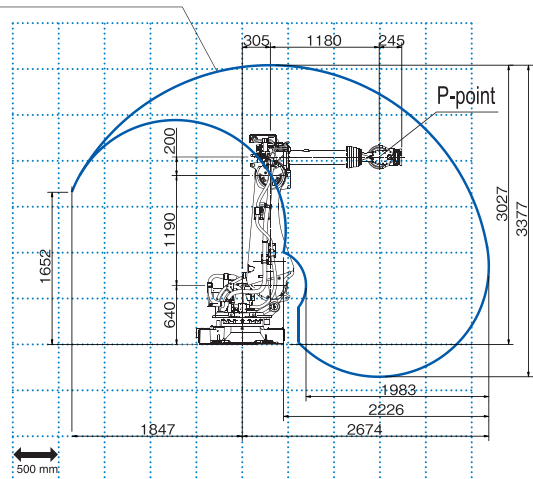
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