

Roboter – Technische Daten
Manipulator Specifications

FD-H5

Model	FD-H5(H)	
Kinematic	Vertical artic. type	
No. of Axes	6	
P-Point (Working Range)	R 866 mm	
Maximum Payload Capacity	5 kg	
Positional Repeatability(*1)	± 0.05 mm	
Driving Method	AC Servo Motor	
Working Range	Arm	
	J1 (Rotation)	± 170°
	J2 (Vertical)	-125° ~ +90°
	J7	
	J3* (Rotation)	-140° ~ +245°
	Wrist	
J4 (Rotation)	± 190°	
J5 (Bending)	-30° ~ +210°	
J6 (Rotation)	± 360°	
Maximum Speed	Arm	
	J1 (Rotation)	200°/s
	J2 (Vertical)	200°/s
	J7	
	J3* (Rotation)	260°/s
	Wrist	
J4 (Rotation)	380°/s	
J5 (Bending)	380°/s	
J6 (Rotation)	510°/s	
Maximum Payload	Allowable Moment	
	J1 (Rotation)	11.9 Nm
	J2 (Vertical)	11.9 Nm
	J3* (Rotation)	5.2 Nm
	J4 (Rotation)	0.30 kg/m ²
	J5 (Bending)	0.30 kg/m ²
J6 (Rotation)	0.05 kg/m ²	
Ambient Temp./Humidity	0 ~ 45°, 20 ~ 80%	
Mass (weight)	59 kg	
Upper arm max. Carrying capacity(*2)	1 kg	
Origin Return	Note 3	
Installation Position	F, W, C	

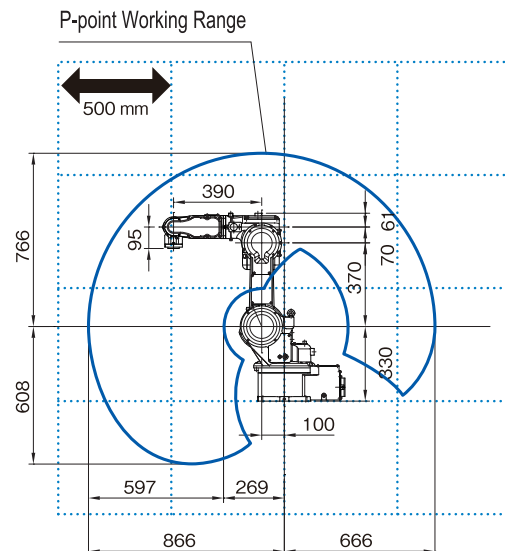
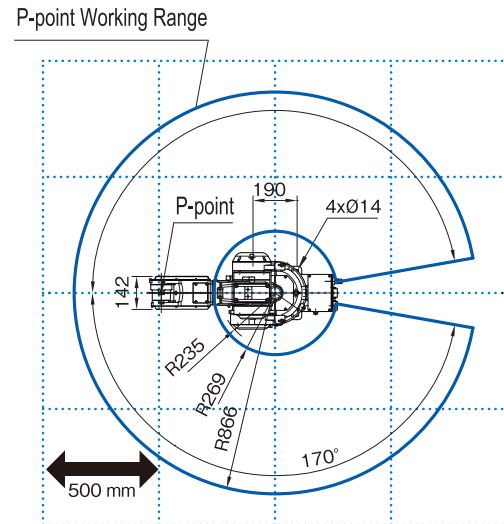


J3* (Rotation): A combined rotation of the axes J2 and J3
 Note 1: Measured value obtained after sufficient repetition of automatic operation for stabilizing conditions.
 Note 2: When the output flange of the wrist axis is loaded with maximum payload capacity.
 Note 3: Positional data protected by battery-backed storage inside the manipulator.
 F = Floor W = Wall C = Ceiling

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