



OTC DAIHEN EUROPE

**Roboter – Technische Daten
Manipulator Specifications**

FD-V70

Model	FD-V70	
Kinematic	Vertical artic. type	
No. of Axes	6	
P-Point (Working Range)	R 2,050 mm	
Maximum Payload Capacity	70 kg	
Positional Repeatability(*1)	± 0.07 mm	
Driving Method	AC Servo Motor	
Working Range	Arm	
	J1 (Rotation)	± 165°
	J2 (Vertical)	-135° ~ +80°
	J7	
	J3* (Rotation)	-146° ~ +260°
	Wrist	
J4 (Rotation)	± 360°	
J5 (Bending)	± 125°	
J6 (Rotation)	± 450°	
Maximum Speed	Arm	
	J1 (Rotation)	175°/s
	J2 (Vertical)	145°/s
	J7	
	J3* (Rotation)	165°/s
	Wrist	
J4 (Rotation)	235°/s	
J5 (Bending)	235°/s	
J6 (Rotation)	350°/s	
Maximum Payload	Allowable Moment	
	J1 (Rotation)	300 Nm
	J2 (Vertical)	300 Nm
	J3* (Rotation)	150 Nm
	J4 (Rotation)	30.00 kg/m ²
	J5 (Bending)	30.00 kg/m ²
J6 (Rotation)	12.00 kg/m ²	
Ambient Temp./Humidity	0 ~ 45°, 20 ~ 80%	
Mass (weight)	640 kg	
Upper arm max. Carrying capacity(*2)	15 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

