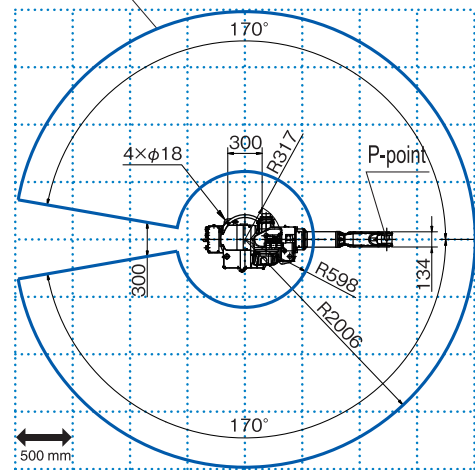


Roboter – Technische Daten Manipulator Specifications

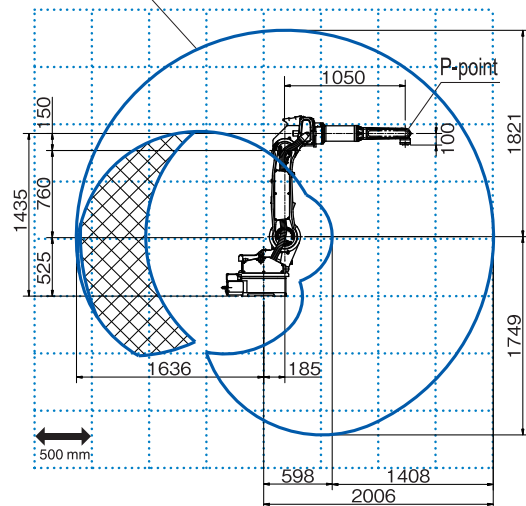
FD-V6L

Model	FD-V6L		
Kinematic	Vertical artic. type		
No. of Axes	6		
P-Point (Working Range)	R 2,006 mm		
Maximum Payload Capacity	6 kg		
Positional Repeatability(*1)	± 0.08 mm		
Driving Method	AC Servo Motor		
Working Range	Arm	J1 (Rotation) ± 170° J2 (Vertical) -155° ≈ +100° J7	
	Wrist	J3* (Rotation) -170° ≈ +260° J4 (Rotation) ± 180° J5 (Bending) -50° ≈ +230° J6 (Rotation) ± 360°	
		Maximum Speed	Arm J1 (Rotation) 195°/s J2 (Vertical) 200°/s J7
			Maximum Payload
	Allowable Moment		
		Ambient Temp./Humidity	
Mass (weight)		280 kg	
Upper arm max. Carrying capacity(*2)		20 kg (Note 2)	
Origin Return		Note 3	
Installation Position		F, W, C	

P-point Working Range



P-point Working Range



□ : For welding applications when floor-mounted
 ⊞ : For other than the above

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