



OTC DAIHEN EUROPE

**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 | |
| | Wrist | J3 (Rotation) | -140° ~ +245° |
| | | J4 (Rotation) | ± 190° |
| | | J5 (Bending) | -30° ~ +210° |
| Maximum Speed | Arm | J6 (Rotation) | ± 360° |
| | | J1 (Rotation) | 200°/s |
| | | J2 (Vertical) | 200°/s |
| | Wrist | J7 | |
| | | J3 (Rotation) | 260°/s |
| | | J4 (Rotation) | 380°/s |
| Maximum Payload | Allowable Moment | J5 (Bending) | 380°/s |
| | | J6 (Rotation) | 510°/s |
| | | J1 (Rotation) | 11.9 Nm |
| | | J2 (Vertical) | 11.9 Nm |
| | | J3 (Rotation) | 5.2 Nm |
| | | J4 (Rotation) | 0.30 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 | |



- 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

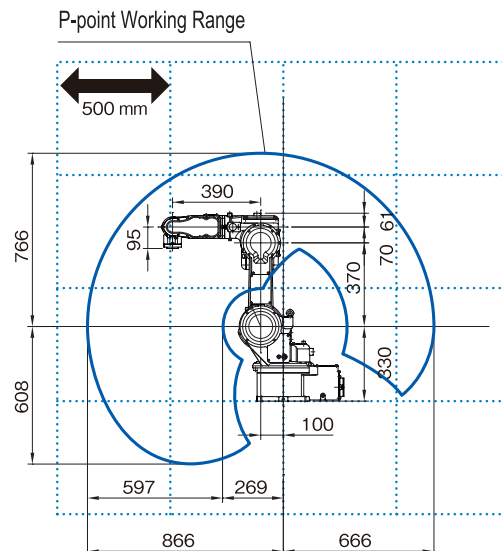
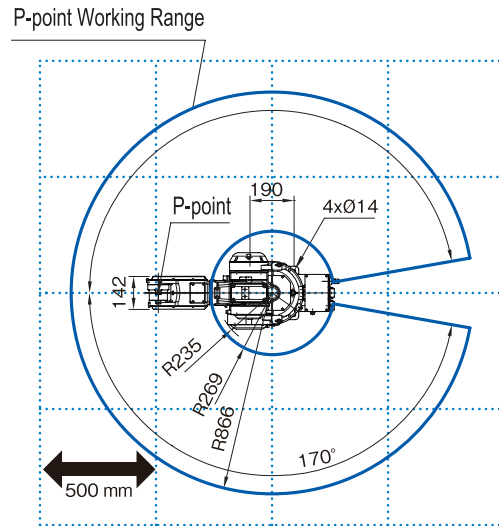


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| | Wrist | J3 (Rotation) -140° ≈ +245° J4 (Rotation) ± 190° J5 (Bending) -30° ≈ +210° J6 (Rotation) ± 360° | | |
| | | Maximum Speed | Arm J1 (Rotation) 200°/s J2 (Vertical) 200°/s J7 | |
| | | | Wrist | J3 (Rotation) 260°/s J4 (Rotation) 380°/s J5 (Bending) 380°/s J6 (Rotation) 510°/s |
| | | | | Maximum Payload |
| | Ambient Temp./Humidity | 0 ≈ 45°, 20 ≈ 80% | | |
| Mass (weight) | 59 kg | | | |
| Upper arm max. Carrying capacity(*2) | 1 kg | | | |
| Origin Return | Note 3 | | | |
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