Technical data

Maximum reach: 901.5 mm
Maximum payload: 6 kg
Pose repeatability (ISO 9283): ± 0.03 mm
Number of axes: 6
Mounting position: Floor; Ceiling; Wall; Desired angle
Footprint: 320 mm x 320 mm
Weight: approx. 52 kg

Axis data

Motion range
A1: ±170 °
A2: -190 ° / 45 °
A3: -120 ° / 156 °
A4: ±185 °
A5: ±120 °
A6: ±350 °

Operating conditions

Ambient temperature during operation: 5 °C to 45 °C (278 K to 318 K)

Protection rating

Protection rating (IEC 60529): IP54
Protection rating, in-line wrist (IEC 60529): IP54

Controller

Controller: KR C4 smallsize-2; KR C4 compact

Teach pendant

Teach pendant: KUKA smartPAD

Cycle time

150 cycles per minute (25 mm / 305 mm / 25 mm, 1 kg)

Payload diagram

The KR 6 R900 CR is designed for a rated payload of 3 kg in order to optimize the dynamic performance of the robot. With reduced load center distances, higher loads up to the maximum payload may be used. The specific load case must be verified using KUKA.Load. For further consultation, please contact KUKA Support.

Mounting flange

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered and services performed is determined by the subject matter of the specific contract. No liability accepted for errors or omissions.