Technical data

- Maximum reach: 706.7 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. 50 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 compact

Teach pendant

- Teach pendant: KUKA smartPAD

Cycle time

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

Workspace graphic

Payload diagram

The KR 6 R700 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.