

\bigcirc

KR 420 R3080 F



Technical data

| Maximum reach | 3076 mm |
|------------------------------------|-------------------|
| Rated payload | 420 kg |
| Maximum payload | 526 kg |
| Maximum supplementary load, rotat- | - |
| ing column / link arm / arm | |
| Pose repeatability (ISO 9283) | ± 0.08 mm |
| Number of axes | 6 |
| Mounting position | Floor |
| Footprint | 1050 mm x 1050 mm |
| Weight | approx. 2415 kg |
| | |

Axis data

| Motion range | |
|--------------------------|----------------|
| A1 | ±185 ° |
| A2 | -130 ° / 20 ° |
| A3 | -100 ° / 144 ° |
| A4 | ±350 ° |
| A5 | ±120 ° |
| A6 | ±350 ° |
| Speed with rated payload | |
| A1 | 90 °/s |
| A2 | 80 °/s |
| A3 | 75 °/s |
| A4 | 90 °/s |
| A5 | 83 °/s |
| A6 | 130 °/s |
| | |

Operating conditions

Ambient temperature during opera- 10 $^\circ\mathrm{C}$ to 55 $^\circ\mathrm{C}$ (283 K to 328 K) tion

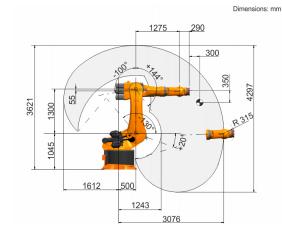
Protection rating

| - | |
|--|------|
| Protection rating (IEC 60529) | IP65 |
| Protection rating, robot wrist (IEC 60529) | IP67 |
| | |

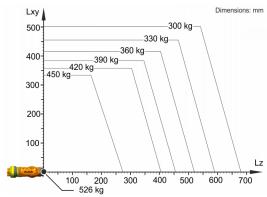
Controller

| Controller | KR C5; |
|------------|--------|
| | KR C4 |

Workspace graphic

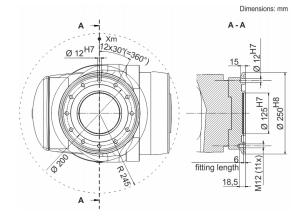


Payload diagram



The KR 420 R3080 F is designed for a rated payload of 420 kg in order to optimize the dynamic performance of the robot. The maximum payload of 526 kg applies only if the position of the center of mass is 0 mm and a supplementary load optimized for the load case is mounted. The specific load case must be verified using KUKA.Load or KUKA Compose. 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. 0000-233-242 / V21.1 / 27.05.2022 / en

KUKA Deutschland GmbH Zugspitzstrasse 140, 86165 Augsburg, Germany. Tel.: +49 821 797-4000, www.kuka.com