



KR 180 R3500-2 K



Technical data

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|--|--------------------------|
| Maximum reach | 3505 mm |
| Rated payload | 180 kg |
| Maximum payload | 228 kg |
| Maximum supplementary load, rotating column / link arm / arm | 300 kg / 130 kg / 150 kg |
| Pose repeatability (ISO 9283) | ± 0.05 mm |
| Number of axes | 6 |
| Mounting position | Floor |
| Footprint | 754 mm x 754 mm |
| Weight | approx. 1256 kg |

Axis data

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|--------------------------|----------------|
| Motion range | |
| A1 | ±185 ° |
| A2 | -120 ° / 70 ° |
| A3 | -120 ° / 168 ° |
| A4 | ±350 ° |
| A5 | ±125 ° |
| A6 | ±350 ° |
| Speed with rated payload | |
| A1 | 105 °/s |
| A2 | 101 °/s |
| A3 | 110 °/s |
| A4 | 150 °/s |
| A5 | 180 °/s |
| A6 | 260 °/s |

Operating conditions

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|--------------------------------------|--------------------------------|
| Ambient temperature during operation | 0 °C to 55 °C (273 K to 328 K) |
|--------------------------------------|--------------------------------|

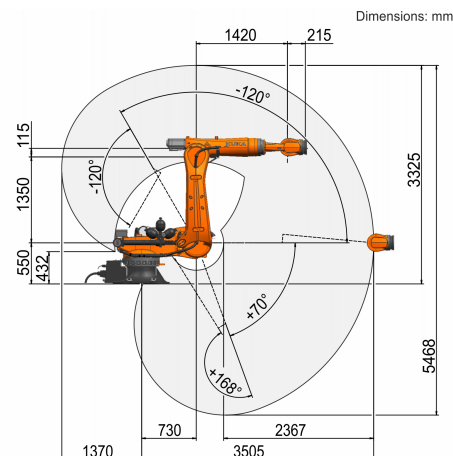
Protection rating

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

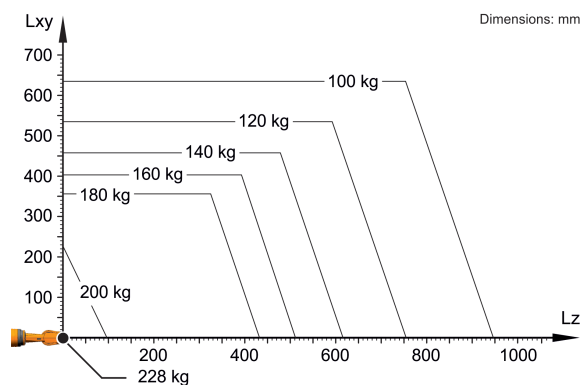
Controller

| | |
|------------|-----------------|
| Controller | KR C5; KR C4 |
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Workspace graphic



Payload diagram



The KR 180 R3500-2 K is designed for a rated payload of 180 kg in order to optimize the dynamic performance of the robot. The maximum payload of 228 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

