

KR 500 R2830



Technical data

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| Maximum reach | 2826 mm |
| Maximum payload | 611 kg |
| Rated payload | 500 kg |
| Rated supplementary load, rotating column / link arm / arm | 0 kg / 0 kg / 50 kg |
| Pose repeatability (ISO 9283) | ± 0.08 mm |
| Number of axes | 6 |
| Mounting position | Floor |
| Footprint | 1050 mm x 1050 mm |
| Weight | approx. 2385 kg |

Axis data

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|--------------------------|----------------|
| 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

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|--------------------------------------|---------------------------------|
| Ambient temperature during operation | 10 °C to 55 °C (283 K to 328 K) |
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Protection rating

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| Protection rating (IEC 60529) | IP65 |
| Protection rating, in-line wrist (IEC 60529) | IP65 |

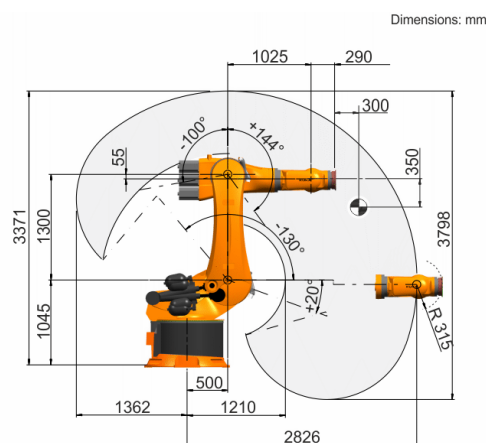
Controller

| | |
|------------|-------|
| Controller | KR C4 |
|------------|-------|

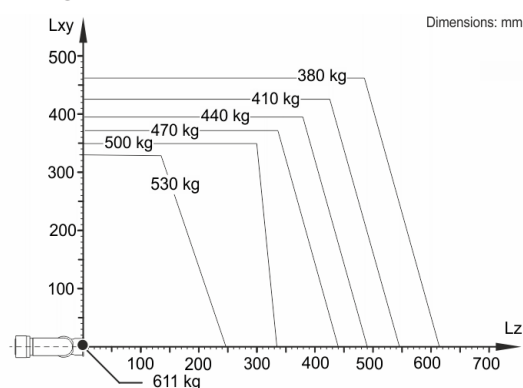
Teach pendant

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| Teach pendant | KUKA smartPAD |
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Workspace graphic



Payload diagram



The KR 500 R2830 is designed for a rated payload of 500 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

