



KR 20 R2010 KS-F



Technical data

Maximum reach	2010 mm
Rated payload	20 kg
Maximum payload	23.9 kg
Maximum supplementary load, rotating column / link arm / arm	20 kg / 15 kg / 15 kg
Pose repeatability (ISO 9283)	± 0.04 mm
Number of axes	6
Mounting position	Floor
Footprint	440 mm x 370 mm
Weight	approx. 242 kg

Axis data

Motion range	
A1	±125 °
A2	-120 ° / 90 °
A3	-138 ° / 175 °
A4	±350 °
A5	±130 °
A6	±350 °
Speed with rated payload	
A1	200 °/s
A2	175 °/s
A3	190 °/s
A4	430 °/s
A5	430 °/s
A6	630 °/s

Operating conditions

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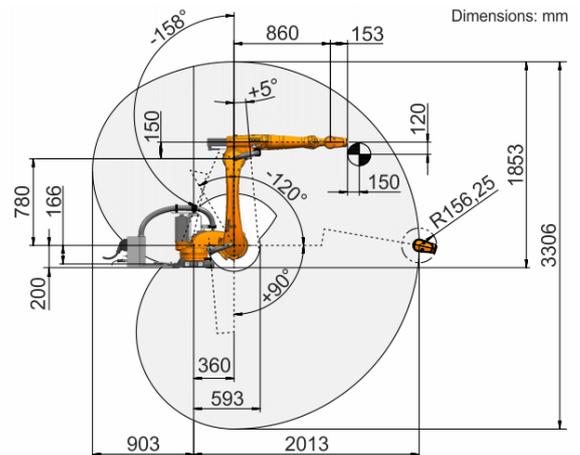
Protection rating

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

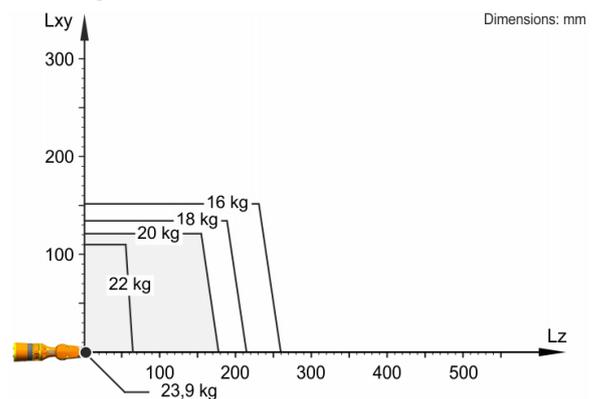
Controller

Controller	KR C5; KR C4
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Workspace graphic



Payload diagram



The KR 20 R2010 KS-F is designed for a rated payload of 20 kg in order to optimize the dynamic performance of the robot. The maximum payload of 23.9 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

