

KR 8 R1440-2 arc HW E



Technical data

Maximum reach	1441 mm
Rated payload	8 kg
Maximum payload	11.3 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; Ceiling
Footprint	420 mm x 363 mm
Weight	approx. 195 kg

Axis data

Motion range	
A1	±170 °
A2	-185 ° / 65 °
A3	-122 ° / 178 °
A4	±165 °
A5	±140 °
A6	±350 °
Speed with rated payload	
A1	230 °/s
A2	230 °/s
A3	230 °/s
A4	430 °/s
A5	430 °/s
A6	630 °/s

Operating conditions

Ambient temperature during operation	0 °C to 45 °C (273 K to 318 K)
Cleanroom class (ISO 14644-1)	-

Protection rating

Protection rating (IEC 60529)	IP54
Protection rating, robot wrist (IEC 60529)	IP65

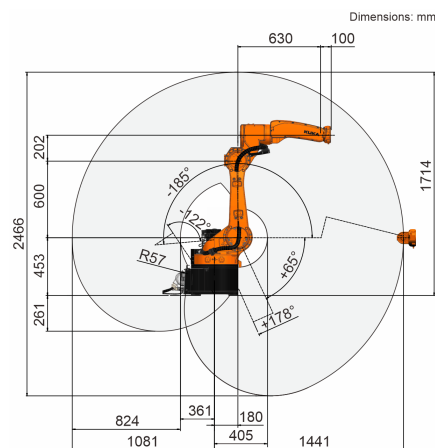
Controller

Controller	KR C5
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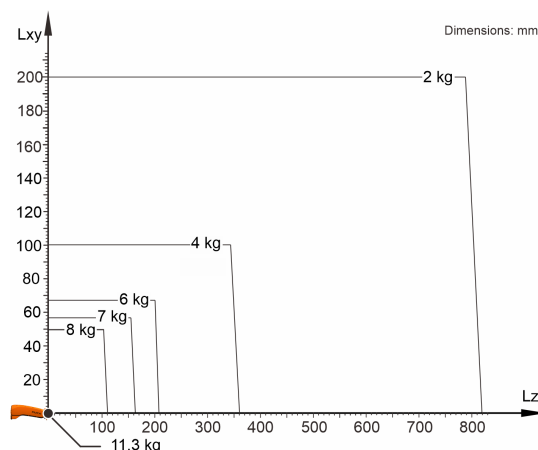
Certificates

ESD requirements	IEC61340-5-1; ANSI/ESD S20.20
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Workspace graphic



Payload diagram



The KR 8 R1440-2 arc HW E is designed for a rated payload of 8 kg in order to optimize the dynamic performance of the robot. With reduced load center distances and favorable supplementary loads, a maximum payload of up to 11.3 kg can be mounted. The specific KUKA Load case must be verified using KUKA. For further consultation, please contact KUKA Service.

Mounting flange

