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KR 6 R900-2



Technical data

Maximum reach	901 mm
Maximum payload	6.7 kg
Pose repeatability (ISO 9283)	± 0.02 mm
Number of axes	6
Mounting position	Floor;
	Ceiling;
	Wall;
	Desired angle
Footprint	208 mm x 208 mm
Weight	approx. 55 kg

Axis data

Motion range	
A1	±170 °
A2	-190 ° / 45 °
A2 A3 A4 A5 A6	-120 ° / 156 °
A4	±185 °
A5	±120 °
A6	±350 °

Operating conditions

Ambient temperature during opera- 0 °C to 45 °C (273 K to 318 K) tion

Protection rating

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

Controller

Controller	KR C5 micro;
	KR C4 compact

Certificates

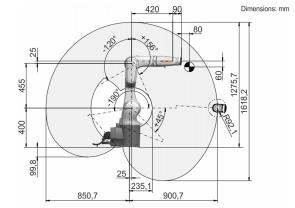
ESD requirements	IEC61340-5-1; ANSI/ESD S20.20

Cycle time

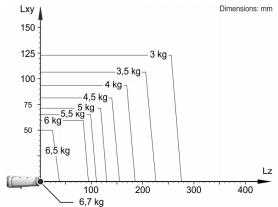
150 cycles per minute (25 mm / 305 mm / 25 mm, 1 kg)



Workspace graphic

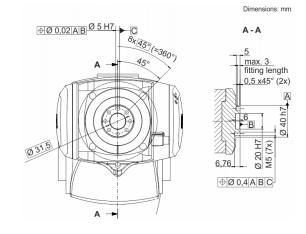


Payload diagram



The KR 6 R900-2 is designed for a rated payload of 3 kg in order to optimize the dynamic performance of the robot. The maximum payload of 6.7 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



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