



KR 150 R3100-2



Technical data

Maximum reach	3100 mm
Rated payload	150 kg
Maximum payload	220 kg
Maximum supplementary load, ro- tating 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. 1105 kg

Axis data

Motion range			
A1		±18	5°
A2	-140	°/-	5°
A3	-120 °	/ 16	8°
A4		±35	0 °
A5		±12	5°
A6		±35	0 °
Speed with rated payload			
A1		105	°/s
A2		107	°/s
A3		114	°/s
A4		190	°/s
A5		180	°/s
A6		260	°/s

Operating conditions

Ambient temperature during opera- 0 °C to 55 °C (273 K to 328 K) tion

Protection rating

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

Controller

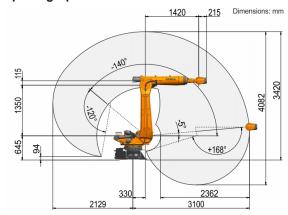
Controller	KR C5;
	KR C4

Certificates

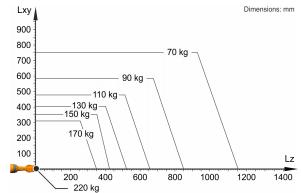
ESD requirements

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

Workspace graphic

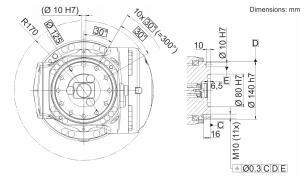


Payload diagram



The KR 150 R3100-2 is designed for a rated payload of 150 kg in order to optimize the dynamic performance of the robot. The maximum payload of 220 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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