KR 120 R2700-2

Technical data

Maximum reach	2701 mm
Rated payload	120 kg
Maximum payload	167 kg
Maximum supplementary load, rotating 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. 1069 kg

Axis data

Motion range	
A1	±185 °
A2	-140 ° / -5 °
A3	-120 ° / 168 °
A4	±350 °
A5	±125 °
A6	±350 °
Speed with rated payload	
A1	120 °/s
A2	115 °/s
A3	120 °/s
A4	190 °/s
A5	180 °/s
A6	260 °/s

Operating conditions

Ambient temperature during operation	0 °C to 55 °C (273 K to 328 K)

Protection rating

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

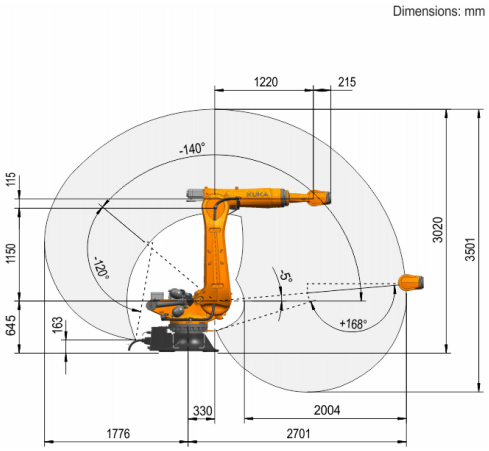
Controller

Controller	KR C5-2; KR C5

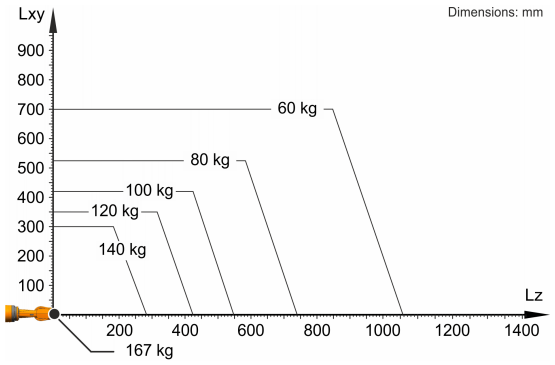
Certificates

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

Workspace graphic

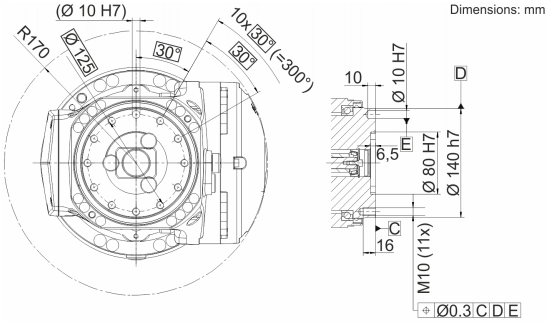


Payload diagram



The KR 120 R2700-2 is designed for a rated payload of 120 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 167 kg can be mounted. The specific KUKA Load case must be verified using KUKA. For further consultation, please contact KUKA Service.

Mounting flange



Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered and services performed is determined by the subject matter of the specific contract. No liability accepted for errors or omissions.
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