KR 1000 R4200-2 F

Technical data

Maximum reach	4218 mm
Rated payload	1000 kg
Maximum payload	1204 kg
Maximum supplementary load, rotating column / link arm / arm	80 kg / 130 kg / 150 kg;
Pose repeatability (ISO 9283)	± 0.08 mm
Number of axes	6
Mounting position	Floor
Footprint	1422 mm x 1300 mm;
Weight	approx. 4750 kg

Axis data

Motion range	
A1	±170 °
A2	-120 ° / 5 °
A3	-100 ° / 150 °
A4	±350 °
A5	±120 °
A6	±350 °
Speed with rated payload	
A1	50 °/s
A2	40 °/s
A3	40 °/s
A4	60 °/s
A5	60 °/s
A6	80 °/s

Operating conditions

Ambient temperature during operation	0 °C to 50 °C (273 K to 323 K);

Protection rating

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

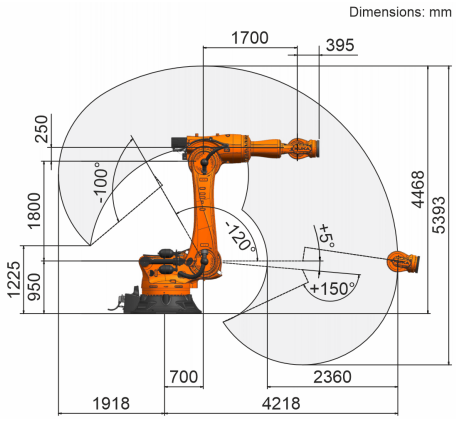
Controller

Controller	KR C5

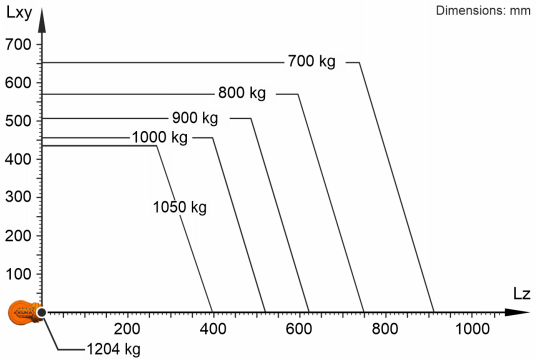
Certificates

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

Workspace graphic

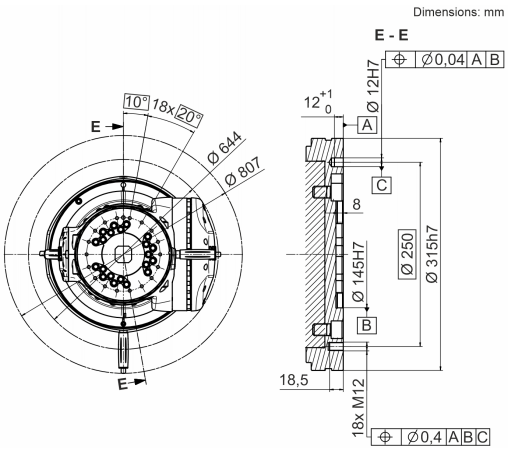


Payload diagram



The KR 1000 R4200-2 F is designed for a rated payload of 1000 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 1204 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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