KR 120 R3500 prime K

Technical data

Maximum reach	3501 mm
Rated payload	120 kg
Rated supplementary load, rotating column / link arm / arm	0 kg / 0 kg / 50 kg
Rated total load	170 kg
Pose repeatability (ISO 9283)	± 0.06 mm
Number of axes	6
Mounting position	Floor
Footprint	830 mm x 830 mm
Weight	approx. 1192 kg

Axis data

Motion range	
A1	±185 °
A2	-120 ° / 70 °
A3	-120 ° / 155 °
A4	±350 °
A5	±125 °
A6	±350 °
Speed with rated payload	
A1	105 °/s
A2	107 °/s
A3	114 °/s
A4	292 °/s
A5	258 °/s
A6	284 °/s

Operating conditions

Ambient temperature during operation	10 °C to 55 °C (283 K to 328 K)

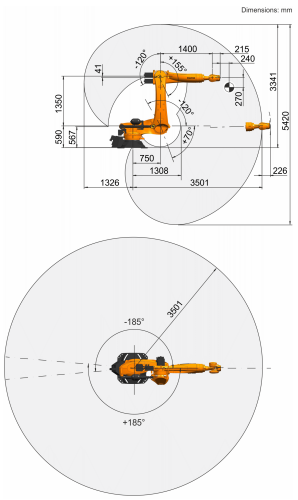
Protection rating

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

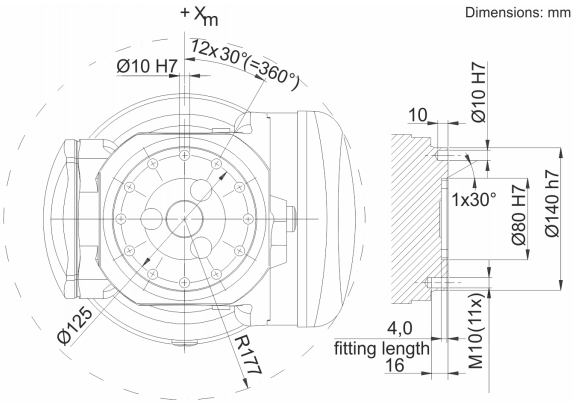
Controller

Controller	KR C4

Workspace graphic



Mounting flange



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