



KR 6 R500 Z200



Technical data

Maximum reach	500 mm
Maximum payload	6 kg
Pose repeatability (ISO 9283)	± 0.02 mm
Number of axes	4
Mounting position	Floor
Footprint	262 mm x 190 mm
Weight	approx. 20 kg

Axis data

Motion range	
Motion range, axis 1	±132 °
Motion range, axis 2	±145 °
Motion range, axis 3	-200 mm / 0 mm
Motion range, axis 4	±355 °
Speed with rated payload	
Axis velocity, axis 1	420 °/s
Axis velocity, axis 2	720 °/s
Axis velocity, axis 3	1.1 m/s
Axis velocity, axis 4	2000 °/s

Operating conditions

Ambient temperature during operation	- 5 °C to 40 °C (278 K to 313 K)
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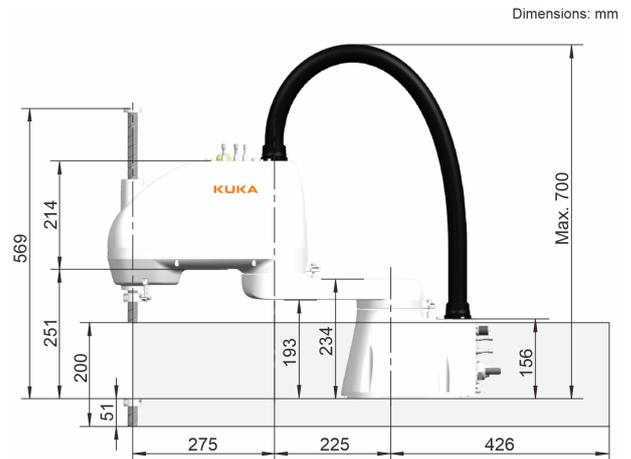
Protection rating

Protection rating (IEC 60529)	IP20
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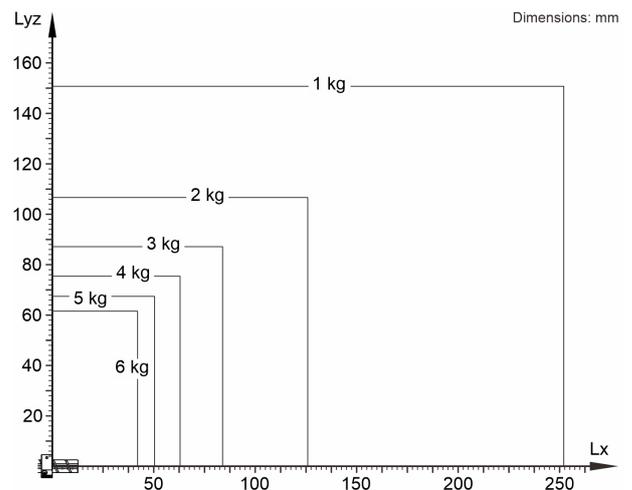
Controller

Controller	KR C5 micro
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Workspace graphic



Payload diagram



The KR 6 R500 Z200 is designed for a rated payload of 3 kg in order to optimize the dynamic performance of the manipulator. With the reduced load center distances, higher loads up to the maximum payload may be used. The specific load case must be verified using KUKA.Load. For further consultation, please contact KUKA Support.

Cycle time

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

