

KR 640 R2800-2 HI



Technical data

Maximum reach	2800 mm
Rated payload	640 kg
Maximum payload	835 kg
Maximum supplementary load, rotating column / link arm / arm	550 kg / 130 kg / 150 kg
Pose repeatability (ISO 9283)	± 0.08 mm
Number of axes	6
Mounting position	Floor
Footprint	968 mm x 944 mm
Weight	approx. 2130 kg

Axis data

Motion range	
A1	±185 °
A2	-130 ° / 20 °
A3	-100 ° / 165 °
A4	±350 °
A5	±120 °
A6	±350 °
Speed with rated payload	
A1	80 °/s
A2	70 °/s
A3	70 °/s
A4	80 °/s
A5	80 °/s
A6	110 °/s

Operating conditions

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

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

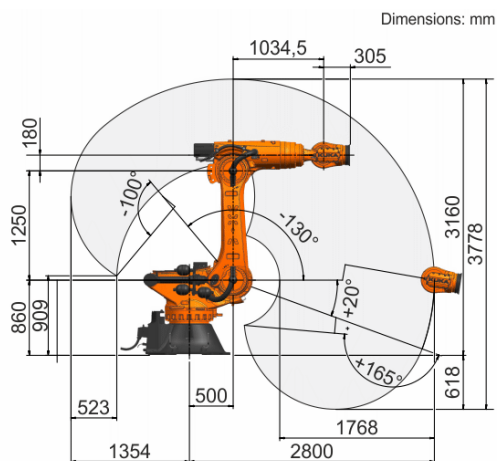
Controller

Controller	KR C5
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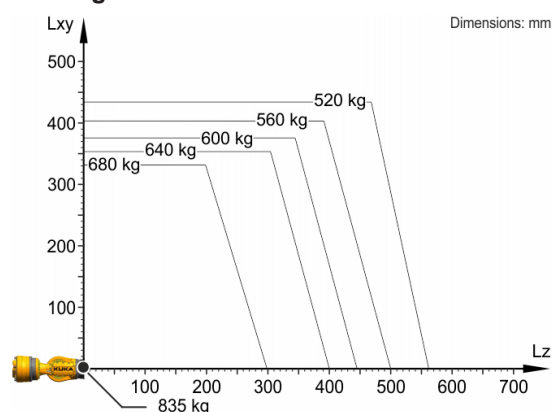
Certificates

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



Payload diagram



The KR 640 R2800-2 HI is designed for a rated payload of 640 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 835 kg can be mounted. The specific KUKA Load case must be verified using KUKA. For further consultation, please contact KUKA Service.

Mounting flange

