



KR 8 R1440-2 arc HW



Technical data

Axis data

Motion range

A1

A2

A3

A4

A5

A6

A1

A2

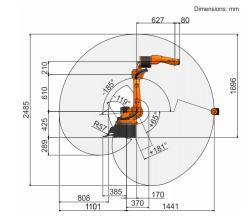
A3 A4

A5

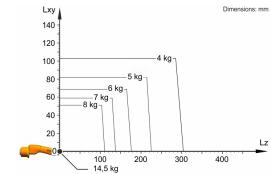
A6

Maximum reach	1441 mm
Rated payload	8 kg
Maximum payload	14.5 kg
Maximum supplementary load, rotating column / link arm / arm	-
Pose repeatability (ISO 9283)	± 0.04 mm
Number of axes	6
Mounting position	Floor; Ceiling; Wall; Desired angle
Footprint	333.5 mm x 307 mm
Weight	approx. 167 kg

Workspace graphic



Payload diagram



The KR 8 R1440-2 arc HW is designed for a rated payload of 8 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 14.5 kg can be mounted. The specific KUKA Load case must be verified using KUKA. For further consultation, please contact KUKA Service.

Mounting flange

±170

±165

±350 °

220 °/s

210 °/s

270 °/s

430 °/s

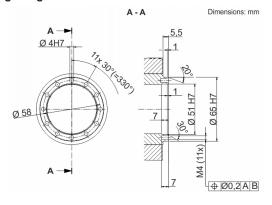
430 °/s

628 °/s

-185 ° / 65

-119 ° / 181

-115 ° / 140 °



Operating conditions

Speed with rated payload

- Frank - S - Frank	
Ambient temperature during operation	0 °C to 55 °C (273 K to 328 K)
Cleanroom class (ISO 14644-1)	Class 5 at 40% override;
	Class 5 at 80% override

Protection rating

Protection rating (IEC 60529)	IP65
Protection rating, robot wrist (IEC 60529)	IP54
Controller	
Controller	KR C5

Certificates

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

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