

**KUKA**



Chilled out. KUKA robots for  
temperatures down to  $-30^{\circ}\text{C}$ .

**KR QUANTEC PA arctic.**

# KR QUANTEC PA arctic

**CHILLED OUT AND ONE-OF-A-KIND. DOWN TO -30 °C.** The KR QUANTEC PA arctic robot is specially designed for palletizing at extremely low temperatures. It can work in the freezing cold without any protective suit. In addition, its energy supply system leading right up to the flange is adapted to the cold.

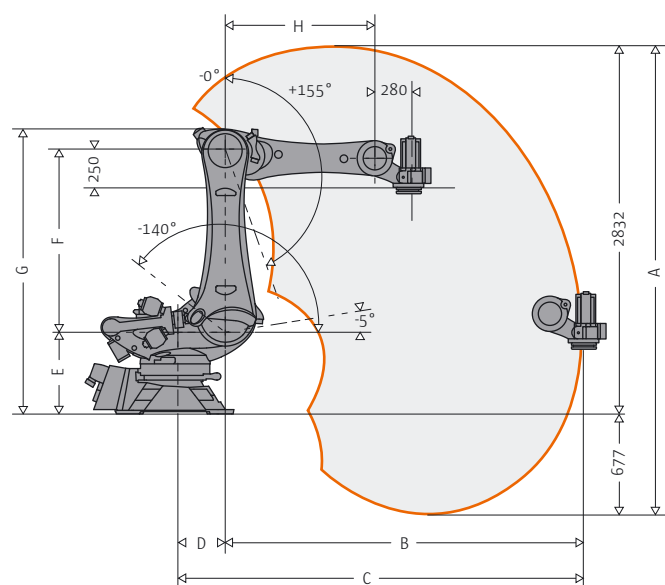
**A TRUE EXPERT. WITHOUT COMPROMISES.** No temperature fluctuations – no loss of quality. No formation of ice on the frozen goods. The KR QUANTEC PA arctic is designed to work uncompromisingly, reliably and extremely fast without heaters in the robot arm – now also in deep-freeze environments.

**CAREFUL HANDLING OF FOODSTUFFS. SENSITIVE HANDLING OF COSTS.** The KR QUANTEC PA arctic functions without a protective suit, offering radical cost savings compared with conventional shrouded solutions. For example, no annual costs and downtime for exchange work are required. Furthermore, cost-intensive heat emissions in the cold storage depot are avoided as no heating is required.



	KR 240 R3200 PA arctic	KR 180 R3200 PA arctic	KR 120 R3200 PA arctic
Max. reach	3,195 mm	3,195 mm	3,195 mm
Rated payload	240 kg	180 kg	120 kg
Rated suppl. load, arm/link arm/rot. col.	50 kg/-/-	50 kg/-/-	50 kg/-/-
Rated total load	290 kg	230 kg	170 kg
Pose repeatability	±0.06 mm	±0.06 mm	±0.06 mm
Number of axes	4	4	4
Hollow shaft in the wrist flange	60 mm	60 mm	60 mm
Mounting position	Floor	Floor	Floor
Robot footprint	830 mm x 830 mm	830 mm x 830 mm	830 mm x 830 mm
Weight (excluding controller), approx.	1,103 kg	1,093 kg	1,075 kg

Work envelope <sup>1)</sup>	Dimensions A	Dimensions B	Dimensions C	Dimensions D	Dimensions E	Dimensions F	Dimensions G	Dimensions H	Volume
KR 240 R3200 PA	3,509 mm	2,845 mm	3,195 mm	350 mm	675 mm	1,350 mm	2,215 mm	1,220 mm	77.90 m <sup>3</sup>
KR 180 R3200 PA	3,509 mm	2,845 mm	3,195 mm	350 mm	675 mm	1,350 mm	2,215 mm	1,220 mm	77.90 m <sup>3</sup>
KR 120 R3200 PA	3,509 mm	2,845 mm	3,195 mm	350 mm	675 mm	1,350 mm	2,215 mm	1,220 mm	77.90 m <sup>3</sup>



#### Axis data/

#### Range of motion

Axis 1 (A1)	+/-185°
Axis 2 (A2)	-5°/-140°
Axis 3 (A3)	0°/+155°
Axis 6 (A6)	+/-350°

#### Operating conditions

Ambient temperature -30 °C to +5 °C

#### Protection rating

Protection rating of the robot	IP 65
Protection rating of the wrist	IP 65

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