

**KUKA**



ii am sensitive



ii am flexible



ii am precise



ii am safe

A revolution in robotics.

With a sensitive touch.

LBR iiwa



## LBR iiwa 7 R800

## LBR iiwa 14 R820

Rated payload	7 kg	14 kg
Number of axes	7	7
Wrist variant	In-line wrist	In-line wrist
Mounting flange A7	DIN ISO 9409-1-A50	DIN ISO 9409-1-A50
Installation position	any	any
Repeatability (ISO 9283)	±0.1 mm	±0.15 mm
Axis-specific torque accuracy (of maximum torque)	±2 %	±2 %
Weight	23.9 kg	29.9 kg
Ambient temperature	+5°C to +45°C	+5°C to +45°C
Protection rating of the robot	IP 54	IP 54

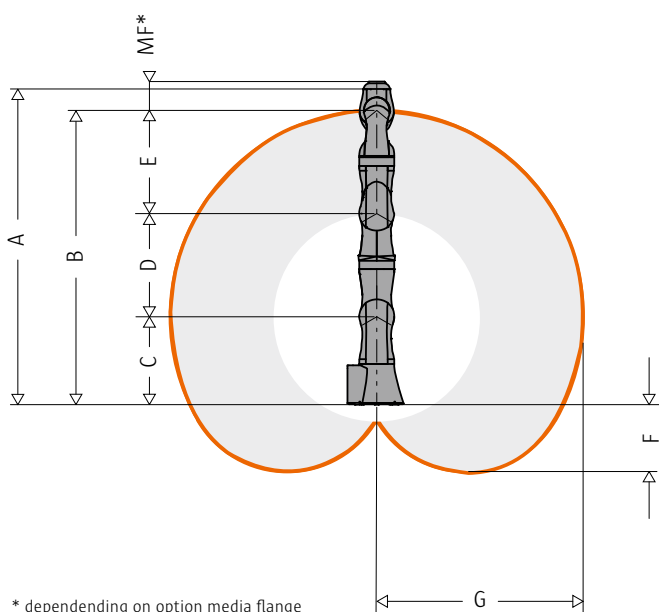
### Axis data/

Range of motion	Maximum torque	Maximum speed
Axis 1 (A1) — +/ -170°	176 Nm	98°/s
Axis 2 (A2) — +/ -120°	176 Nm	98°/s
Axis 3 (A3) — +/ -170°	110 Nm	100°/s
Axis 4 (A4) — +/ -120°	110 Nm	130°/s
Axis 5 (A5) — +/ -170°	110 Nm	140°/s
Axis 6 (A6) — +/ -120°	40 Nm	180°/s
Axis 7 (A7) — +/ -175°	40 Nm	180°/s

### Axis data/

Range of motion	Maximum torque	Maximum speed
Axis 1 (A1) — +/ -170°	320 Nm	85°/s
Axis 2 (A2) — +/ -120°	320 Nm	85°/s
Axis 3 (A3) — +/ -170°	176 Nm	100°/s
Axis 4 (A4) — +/ -120°	176 Nm	75°/s
Axis 5 (A5) — +/ -170°	110 Nm	130°/s
Axis 6 (A6) — +/ -120°	40 Nm	135°/s
Axis 7 (A7) — +/ -175°	40 Nm	135°/s

Work envelope	Dimensions A	Dimensions B	Dimensions C	Dimensions D	Dimensions E	Dimensions F	Dimensions G	Volume
LBR iiwa 7 R800	1,266 mm	1,140 mm	340 mm	400 mm	400 mm	260 mm	800 mm	1.7 m³
LBR iiwa 14 R820	1,306 mm	1,180 mm	360 mm	420 mm	400 mm	255 mm	820 mm	1.8 m³



### Programmable Cartesian stiffness

Min. (X, Y, Z)	0.01 N/m	Min. (A, B, C)	0.01 Nm/rad
Max. (X, Y, Z)	5.000 N/m	Max. (A, B, C)	300 Nm/rad



### KUKA Sunrise Cabinet

Processor	Quad-core processor
Interfaces	USB, Ethernet
Protection rating	IP20
Dimensions (DxWxH)	500 mm x 483 mm x 190 mm
Weight	23 kg
Ambient temperature	+ 5° C to + 45° C

### Power supply connection

Rated supply voltage	AC 110 V – 230 V
Permissible tolerance of rated voltage	±10 %
Mains frequency	50 Hz ± 1Hz or 60 Hz ± 1Hz
Mains-side fusing	2 x 16 A slow-blowing

### KUKA Robot GmbH

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