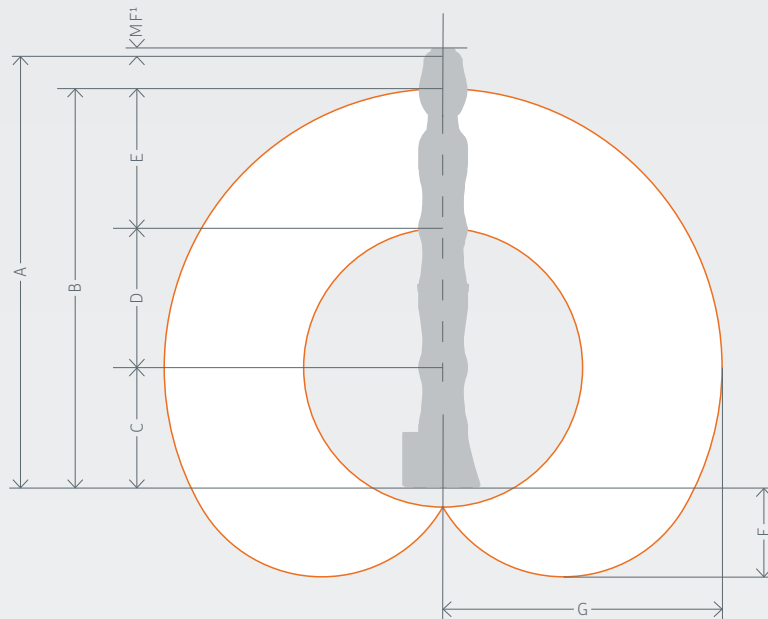


Technical data



¹ dependent on the media flange option

Workspace	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 m ³
LBR iiwa 14 R820	1,306 mm	1,180 mm	360 mm	420 mm	400 mm	255 mm	820 mm	1.8 m ³

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
Positioning accuracy (ISO 9283)	± 0.1 mm	± 0.1 mm
Axis-specific torque accuracy	± 2 %	± 2 %
Weight	23.9 kg	29.9 kg
Protection rating	IP 54	IP 54

Axis data /		LBR iiwa 7 kg		LBR iiwa 14 kg	
Range of motion		Maximum torque	Maximum velocity	Maximum torque	Maximum velocity
Axis 1 (A1)	± 170°	176 Nm	98°/s	320 Nm	85°/s
Axis 2 (A2)	± 120°	176 Nm	98°/s	320 Nm	85°/s
Axis 3 (A3)	± 170°	110 Nm	100°/s	176 Nm	100°/s
Axis 4 (A4)	± 120°	110 Nm	130°/s	176 Nm	75°/s
Axis 5 (A5)	± 170°	110 Nm	140°/s	110 Nm	130°/s
Axis 6 (A6)	± 120°	40 Nm	180°/s	40 Nm	135°/s
Axis 7 (A7)	± 175°	40 Nm	180°/s	40 Nm	135°/s

Programmable Cartesian stiffness

Min. (X, Y, Z)	0.0 N/m	0.0 N/m
Max. (X, Y, Z)	5,000 N/m	5,000 N/m
Min. (A, B, C)	0.0 N/rad	0.0 N/rad
Max. (A, B, C)	300 Nm/rad	300 Nm/rad

KUKA Sunrise Cabinet

Processor	Quad-core processor
Hard drive	SSD
Interfaces	USB, EtherNet, DVI-I
Protection rating	IP20
Dimensions (D x W x H)	500 mm x 483 mm x 190 mm
Weight	23 kg

Power supply connection

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

30,000 operating hours

Sensitive robotics_LBR iiwa