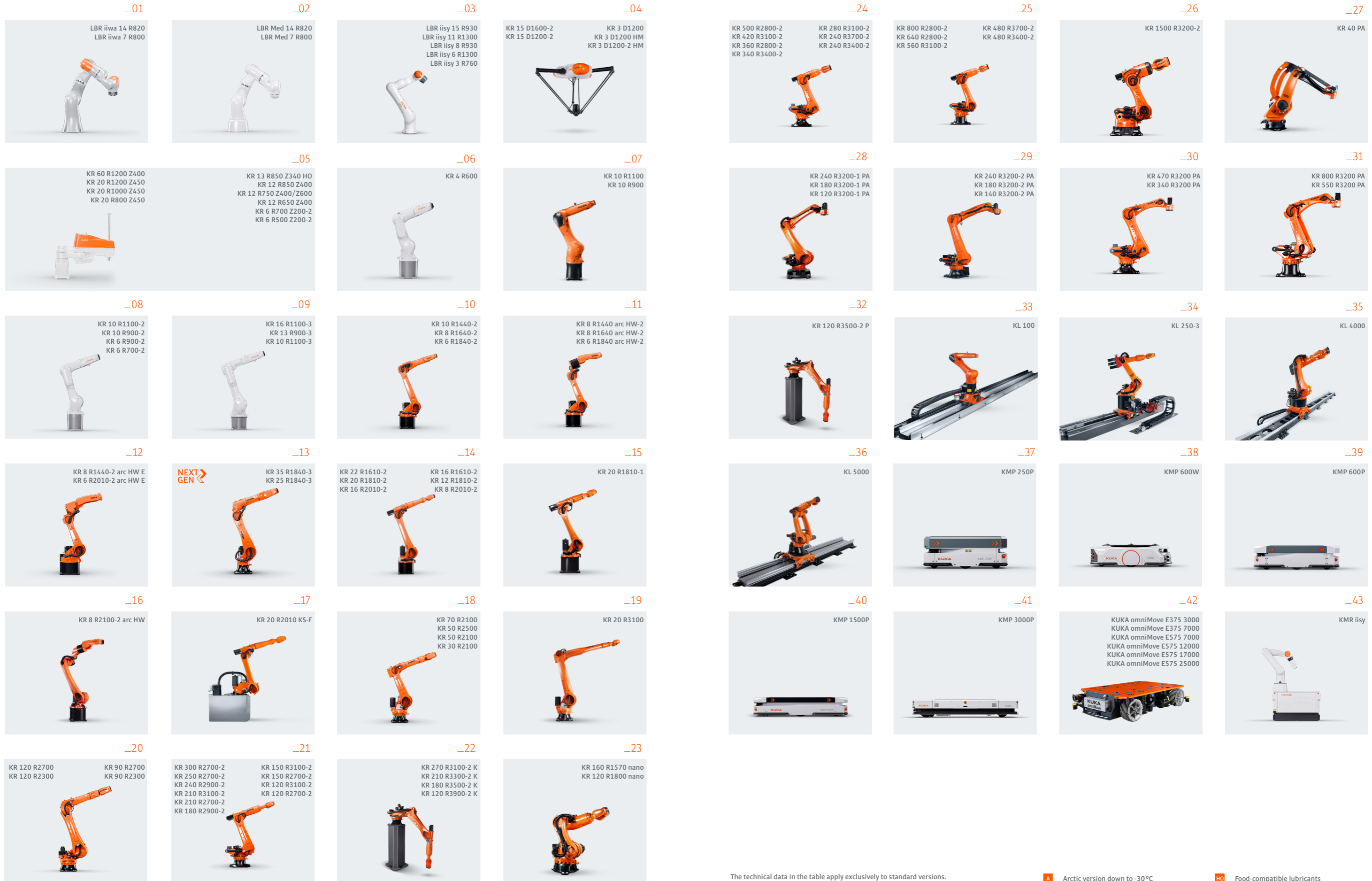


KUKA



Product Range_03/2026





-01

LBR iiwa 14 R820
LBR iiwa 7 R800

-02

LBR Med 14 R820
LBR Med 7 R800

-03

LBR iisy 15 R930
LBR iisy 11 R1300
LBR iisy 8 R930
LBR iisy 6 R1300
LBR iisy 3 R760

-04

KR 15 D1600-2 KR 3 D1200
KR 15 D1200-2 KR 3 D1200 HM
KR 3 D1200-2 HM

-24

KR 500 R2800-2 KR 280 R3100-2
KR 420 R3100-2 KR 240 R3700-2
KR 360 R2800-2 KR 240 R3400-2
KR 340 R3400-2

-25

KR 800 R2800-2 KR 480 R3700-2
KR 640 R2800-2 KR 480 R3400-2
KR 560 R3100-2

-26

KR 1500 R3200-2

-27

KR 40 PA

-05

KR 60 R1200 Z400
KR 20 R1200 Z450
KR 20 R1000 Z450
KR 20 R800 Z450

-06

KR 4 R600

-07

KR 10 R1100
KR 10 R900

-28

KR 240 R3200-1 PA
KR 180 R3200-1 PA
KR 120 R3200-1 PA

-29

KR 240 R3200-2 PA
KR 180 R3200-2 PA
KR 140 R3200-2 PA

-30

KR 470 R3200 PA
KR 340 R3200 PA

-31

KR 800 R3200 PA
KR 550 R3200 PA

-08

KR 10 R1100-2
KR 10 R900-2
KR 6 R900-2
KR 6 R700-2

-09

KR 16 R1100-3
KR 13 R900-3
KR 10 R1100-3

-10

KR 10 R1440-2
KR 8 R1640-2
KR 6 R1840-2

-11

KR 8 R1440 arc HW-2
KR 8 R1640 arc HW-2
KR 6 R1840 arc HW-2

-32

KL 120 R3500-2 P

-33

KL 100

-34

KL 250-3

-35

KL 4000

-12

KR 8 R1440-2 arc HW E
KR 6 R2010-2 arc HW E

-13



KR 35 R1840-3
KR 25 R1840-3

-14

KR 22 R1610-2 KR 16 R1610-2
KR 20 R1810-2 KR 12 R1810-2
KR 16 R2010-2 KR 8 R2010-2

-15

KR 20 R1810-1

-36

KL 5000

-37

KMP 250P

-38

KMP 600W

-39

KMP 600P

-16

KR 8 R2100-2 arc HW

-17

KR 20 R2010 KS-F

-18

KR 70 R2100
KR 50 R2500
KR 50 R2100
KR 30 R2100

-19

KR 20 R3100

-40

KMP 1500P

-41

KMP 3000P

-42

KUKA omniMove E375 3000
KUKA omniMove E375 7000
KUKA omniMove E575 7000
KUKA omniMove E575 12000
KUKA omniMove E575 17000
KUKA omniMove E575 25000

-43

KMR iisy

-20

KR 120 R2700
KR 120 R2300

-21

KR 300 R2700-2 KR 150 R3100-2
KR 250 R2700-2 KR 150 R2700-2
KR 240 R2900-2 KR 120 R3100-2
KR 210 R3100-2 KR 120 R2700-2
KR 210 R2700-2
KR 180 R2900-2

-22

KR 270 R3100-2 K
KR 210 R3300-2 K
KR 180 R3500-2 K
KR 120 R3900-2 K

-23

KR 160 R1570 nano
KR 120 R1800 nano

The technical data in the table apply exclusively to standard versions.

- 1) Refers to intersection of axes 4 and 5
- 2) Different Axis data for ceiling-mounted variants
- 3) Only available in special versions
- 4) Complies with IEC 60601-1
- 5) Also applies to A7
- 6) Only available in selected countries
- 7) Provisional values

- A** Arctic version down to -30 °C
- CR** Suitable for clean rooms
- CR lite** Robot with improved ISO class
- CV** Covered
- EX** For potentially explosive areas
- F** Foundry version
- HM** Hygienic machine
- HO** Food-compatible lubricants
- S** Speed
- WP** Splash-proof
- HI** High Inertia
- EP** Electrostatic discharge plus (ESD plus)
- MT** Machine tooling



Small Payloads

Types	_01		_02		_03		_04		_05		_06		_07	
	LBR iiwa	LBR Med ^{d)}	LBR iisy	KR DELTA	KR SCARA	KR 4 AGILUS	KR AGILUS-1 ¹⁾							
Rated payload	14 kg 7 kg	14 kg 7 kg	15 kg 11 kg 8 kg 6 kg 3 kg	8 kg 8 kg 3 kg 10 kg	20 kg 10 kg 6 kg 6 kg 3 kg	6 kg 6 kg 6 kg 3 kg	4 kg	5 kg						
Maximum payload	-	-	16.41 kg 11.72 kg 8 kg ^{d)} 6 kg ^{d)} 3.34 kg	15 kg 20 kg 6 kg 20 kg 6 kg	60 kg 20 kg 20 kg 12 kg 6 kg 6 kg	13 kg 12 kg 12 kg 12 kg 6 kg 6 kg	4.63 kg	10 kg						
Rated supplementary load on arm	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Max. reach ¹⁾ / Z-stroke	820 mm 800 mm	820 mm 800 mm	930 mm 1300 mm 930 mm 1300 mm 760 mm	1600 mm ^{d)} 1200 mm ^{d)} 1200 mm ^{d)} 1200 mm ^{d)}	1200 mm / 400 mm 1000 mm / 450 mm 800 mm / 450 mm	850 mm / 340 mm 850 mm / 400 mm 750 mm / 600 mm 650 mm / 400 mm 700 mm / 200 mm 500 mm / 200 mm	601 mm	1101 mm 901 mm						
Number of axes	7	7	6	4	4	4	6	6						
Positioning repeatability	±0.15/0.1 mm	±0.15/0.1 mm	±0.1 mm	±0.05 mm	±0.025-0.05 mm	±0.02-0.025 mm	±0.02 mm	±0.03 mm						
Weight (robot) approx.	29.9 kg 23.9 kg	32.3 kg 25.5 kg	43.2 kg 46.3 kg 43.2 kg 46.3 kg 22.8 kg	95 kg 94.8 kg 105 kg 95 kg 95 kg	120 kg 64 kg 64 kg 60 kg	55 kg 51 kg 51 kg 49 kg 22 kg 20 kg	27 kg	54 kg 52 kg						
Mounting position	Floor, Ceiling, Wall	Floor, Ceiling, Wall	Floor, Ceiling, Wall, Angle	Ceiling	Floor	Floor	Floor, Ceiling, Wall, Angle	Floor, Ceiling, Wall, Angle						
Version (optional)	CR	-	CR	HM	CR	CR HO	-	CR EX HM WP						
Comments	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Axis data	±170°	±170°	±185°	+42°/-109° ^{a)}	±140°	±132°/±145° ^{b)}	±170°	±170°						
A2	±120°	±120°	+50°/-230°	+42°/-109° ^{a)}	±140°	±145°	+40°/-195°	+45°/-190°						
A3	±170°	±170°	±150°	+42°/-109° ^{a)}	-	-	+150°/-115°	+156°/-120°						
A4	±120°	±120°	+175°	+355° ^{d)}	±355°	±355°	±185°	±185°						
A5	±170°	±170°	±110°	-	-	-	±120°	±120°						
A6	±120°	±120°	±220°	-	-	-	±350°	±350°						
A7	±175°	±175°	-	-	-	-	-	-						
A1	85°/s 98°/s	85°/s 98°/s	200°/s 200°/s 200°/s ^{d)} 200°/s ^{d)} 200°/s	670°/s 280°/s 610°/s 168°/s 600°/s	230°/s 400°/s 350°/s 420°/s	390°/s 400°/s 430°/s 450°/s 420°/s 420°/s	336°/s	300°/s 300°/s						
A2	85°/s 98°/s	85°/s 98°/s	200°/s 200°/s 200°/s ^{d)} 200°/s ^{d)} 200°/s	670°/s 670°/s 610°/s 168°/s 600°/s	260°/s 470°/s 530°/s 590°/s	645°/s 660°/s 660°/s 665°/s 720°/s 720°/s	336°/s	225°/s						
A3	100°/s 100°/s	100°/s 100°/s	200°/s 200°/s 200°/s ^{d)} 200°/s ^{d)} 200°/s	670°/s 670°/s 610°/s 168°/s 600°/s	-	-	488°/s	225°/s						
A4	75°/s 130°/s	75°/s 130°/s	230°/s 230°/s 230°/s ^{d)} 230°/s ^{d)} 300°/s	720°/s 720°/s 840°/s 162°/s 840°/s	690°/s 1400°/s 1400°/s 1400°/s	2700°/s 2700°/s 2700°/s 2000°/s 2000°/s	600°/s	381°/s 381°/s						
A5	130°/s 140°/s	130°/s 140°/s	260°/s 260°/s 260°/s ^{d)} 260°/s ^{d)} 300°/s	-	-	-	529°/s	311°/s 311°/s						
A6	135°/s 180°/s	135°/s 180°/s	430°/s 430°/s 430°/s ^{d)} 430°/s ^{d)} 400°/s	-	-	-	800°/s	492°/s 492°/s						

a) Not valid for KR 3 D1200 HM b) Only KR 13 R850 Z340 HO c) Not valid for KR 15 D1600-2 and KR 15 D1200-2 d) Not valid for KR 16 R1100-3 e) Workspace diameter



Low Payloads

Types	_08		_09		_10		_11		_12		_13		_14		_15		_16		_17	
	KR AGILUS-2	KR AGILUS-3 ultra	KR CYBERTECH nano	KR CYBERTECH nano ARC	KR CYBERTECH nano ARC E ¹⁾	KR CYBERTECH-3	KR CYBERTECH-2	KR CYBERTECH-1	KR CYBERTECH-2 ARC	KR CYBERTECH-1 KS-F										
Rated payload	10 kg 10 kg 6 kg 6 kg	16 kg 13 kg 10 kg	10 kg 8 kg 8 kg	8 kg 8 kg 6 kg	8 kg 6 kg	35 kg 25 kg	22 kg 20 kg 16 kg 16 kg 12 kg 8 kg	20 kg	8 kg	20 kg										
Maximum payload	11.1 kg 11.3 kg 6.7 kg 6.8 kg	19.3 kg 16.2 kg 12.4 kg	14.3 kg 12 kg 9 kg	14.5 kg 10.7 kg 12.6 kg	9 kg 6.56 kg	49 kg 38 kg	27.3 kg 23.9 kg 19.2 kg 20 kg 14.5 kg 9.8 kg	23.9 kg	9.3 kg	23.9 kg										
Rated supplementary load on arm	-	-	10 kg	10 kg	10 kg	-	10 kg	10 kg	10 kg	10 kg										
Max. reach ¹⁾ / Z-stroke	1101 mm 901 mm 901 mm 726 mm	1103 mm 901 mm 1101 mm	1440 mm 1640 mm 1840 mm	1450 mm 1441 mm 1641 mm 1843 mm	1441 mm 2010 mm	1840 mm 1840 mm	1612 mm 1813 mm 2013 mm 1612 mm 1813 mm 2013 mm	1813 mm	2101 mm	2010 mm										
Number of axes	6	6	6	6	6	6	6	6	6	6										
Positioning repeatability	±0.02 mm	±0.02-0.03 mm	±0.04 mm	±0.04 mm	±0.04 mm	±0.03 mm	±0.04 mm	±0.04 mm	±0.04 mm	±0.04 mm										
Weight (robot) approx.	55 kg 55 kg 55 kg 53 kg	89 kg 57 kg 58 kg	153 kg 158 kg 162 kg	167 kg 172 kg 175 kg	195 kg 204 kg	237 kg 237 kg	255 kg 255 kg 260 kg 255 kg 255 kg 260 kg	250 kg	260 kg	242 kg										
Mounting position	Floor, Ceiling, Wall, Angle	Floor, Ceiling, Wall, Angle	Floor, Ceiling, Wall, Angle	Floor, Ceiling, Wall, Angle	Floor, Ceiling	Floor, Ceiling, Wall, Angle	Floor, Ceiling, Wall, Angle	Floor, Ceiling, Wall, Angle	Floor, Ceiling, Wall, Angle	Floor										
Version (optional)	HO EP	HO EP	HO	-	-	-	CR F HO	-	F											
Comments	-	-	-	Arc welding	Arc welding	-	-	Arc welding	-											
Axis data	±170°	±170°	±170°	±170°	±170°	±185°	±185°	±185°	±185°	±185°										
A2	+45°/-190°	+45°/-190° ^{d)}	+65°/-185°	+65°/-185°	+65°/-185°	+65°/-185°	+65°/-185°	+65°/-185°	+65°/-185°	+90°/-120°										
A3	+156°/-120°	+158°/-120° ^{d)}	+163°/-137°	+181°/-119°	+178°/-122°	+178°/-120°	+175°/-138°	+175°/-138°	+175°/-138°	+175°/-138°										
A4	±185°	±200°	±185°	±165°	±165°	±180°	±350°	±350°	±165°	±350°										
A5	±120°	±120°	±120°	+140°/-115°	±140°	±125°	±130°	±130°	±140°/-115°	±130°										
A6	±350°	±355°	±350°	±350°	±350°	±358°	±350°	±350°	±350°	±350°										
A1	300°/s 300°/s 300°/s 360°/s 360°/s	290°/s 300°/s 300°/s 300°/s	220°/s 220°/s 220°/s 220°/s	220°/s 220°/s 220°/s 220°/s	230°/s 200°/s 200°/s	200°/s 200°/s 200°/s	200°/s	200°/s	200°/s	200°/s	200°/s									
A2	225°/s 225°/s 300°/s 300°/s	270°/s 230°/s 230°/s	210°/s 210°/s 210°/s	210°/s 210°/s 210°/s	230°/s 165°/s	200°/s 220°/s	175°/s	175°/s	175°/s	175°/s	175°/s									
A3	330°/s 330°/s 360°/s 360°/s	270°/s 330°/s 330°/s	270°/s 270°/s 270°/s	270°/s 270°/s 270°/s	230°/s 210°/s	210°/s 280°/s	190°/s	190°/s	190°/s	190°/s	190°/s									
A4	360°/s 360°/s 450°/s 450°/s	430°/s 480°/s 480°/s	381°/s 381°/s 381°/s	430°/s 430°/s 430°/s	430°/s 430°/s 430°/s	400°/s 425°/s	430°/s	430°/s	430°/s	430°/s	430°/s									
A5	360°/s 360°/s 450°/s 450°/s	450°/s 400°/s 400°/s	311°/s 311°/s 311°/s	430°/s 430°/s 430°/s	430°/s 430°/s	400°/s 420°/s	430°/s	430°/s	430°/s	430°/s	430°/s									
A6	433°/s 433°/s 540°/s 540°/s	700°/s 600°/s	472°/s 472°/s 472°/s	628°/s 628°/s 628°/s	630°/s 630°/s	460°/s 590°/s	630°/s	630°/s	630°/s	630°/s	630°/s									

The technical data in the table apply exclusively to standard versions. 1) Refers to intersection of axes 4 and 5 2) Only available in special versions 3) Only available in selected countries 4) Complies with IEC 60601-1 5) Only available in selected countries 6) Only available in selected countries 7) Provisional values



Medium Payloads

Types	Medium Payloads			
	<u>-18</u> KR IONTEC	<u>-19</u> KR IONTEC	<u>-20</u> KR IONTEC ultra	
Rated payload	70 kg 50 kg 50 kg 30 kg - -	20 kg - - - -	120 kg 120 kg 90 kg 90 kg - -	
Maximum payload	85 kg 61 kg 61 kg 36 kg - -	23.6 kg - - - -	155 kg 162 kg 116 kg 127 kg - -	
Rated supplementary load on arm	20 kg	20 kg	30 kg	
Max. reach ¹⁾ /Z-stroke	2101 mm 2101 mm 2501 mm 2101 mm - -	3101 mm - - - -	2702 mm 2305 mm 2702 mm 2305 mm - -	
Number of axes	6	6	6	
Positioning repeatability	±0.05 mm	±0.05 mm	±0.05 mm	
Weight (robot) approx.	536 kg 533 kg 559 kg 533 kg - -	549 kg - - - -	773 kg 751 kg 773 kg 751 kg - -	
Mounting position	Floor, Ceiling, Wall, Angle	Floor, Ceiling, Wall, Angle	Floor, Ceiling	
Version (optional)	CR lite F HO	CR lite	F HO	
Comments	-	-	-	
Axis data Range	A1	±185°	±185°	±185°
	A2	+60°/-175°	+60°/-175°	+60°/-140°
	A3	+165°/-120°	+170°/-120°	+171°/-95°
	A4	±180°	±350°	±180°
	A5	±125°	±130°	±125°
	A6	±350°	±350°	±350°
	A7	-	-	-
Velocity	A1	180°/s 180°/s 175°/s 180°/s - -	180°/s - - - -	140°/s - - - -
	A2	158°/s 175°/s 158°/s 165°/s - -	165°/s - - - -	100°/s - - - -
	A3	160°/s 175°/s 175°/s 180°/s - -	160°/s - - - -	120°/s - - - -
	A4	230°/s 250°/s 250°/s 250°/s - -	360°/s - - - -	210°/s - - - -
	A5	230°/s 250°/s 250°/s 250°/s - -	360°/s - - - -	200°/s - - - -
	A6	320°/s 360°/s 360°/s 360°/s - -	630°/s - - - -	300°/s - - - -

High Payloads

Types	High Payloads		
	<u>-21</u> KR QUANTEC		
Rated payload	300 kg 250 kg 240 kg 210 kg 180 kg -	210 kg 150 kg 150 kg 120 kg 120 kg -	
Maximum payload	370 kg 315 kg 319 kg 281 kg 253 kg -	275 kg 220 kg 218 kg 210 kg 167 kg -	
Rated supplementary load on arm	50 kg	50 kg	
Max. reach ¹⁾ /Z-stroke	2701 mm 2701 mm 2900 mm 3100 mm 2900 mm -	2701 mm 3100 mm 2701 mm 3100 mm 2701 mm -	
Number of axes	6	6	
Positioning repeatability	±0.05 mm	±0.05 mm	
Weight (robot) approx.	1101 kg 1101 kg 1120 kg 1134 kg 1105 kg -	1077 kg 1105 kg 1072 kg 1105 kg 1069 kg -	
Mounting position	Floor, Ceiling ²⁾	Floor	
Version (optional)	F HO	F HO	
Comments	-	-	
Axis data Range	A1	±185°	±185°
	A2	-5°/-140°	-5°/-140°
	A3	+168°/-120°	+168°/-120°
	A4	±350°	±350°
	A5	±122.5°	±125°
	A6	±350°	±350°
	A7	-	-
Velocity	A1	105°/s 105°/s 103°/s 105°/s 105°/s -	120°/s 105°/s 120°/s 120°/s 120°/s -
	A2	101°/s 107°/s 94°/s 94°/s 107°/s -	115°/s 107°/s 115°/s 115°/s 115°/s -
	A3	107°/s 110°/s 100°/s 100°/s 114°/s -	112°/s 114°/s 120°/s 120°/s 120°/s -
	A4	140°/s 170°/s 170°/s 136°/s 179°/s -	179°/s 190°/s 190°/s 190°/s 190°/s -
	A5	113°/s 129°/s 129°/s 129°/s 172°/s -	172°/s 180°/s 180°/s 180°/s 180°/s -
	A6	180°/s 206°/s 206°/s 206°/s 219°/s -	220°/s 260°/s 260°/s 260°/s 260°/s -

Heavy Payloads

Types	Heavy Payloads					
	<u>-22</u> KR QUANTEC-K	<u>-23</u> KR QUANTEC nano	<u>-24</u> KR FORTEC	<u>-25</u> KR FORTEC ultra	<u>-26</u> KR TITAN ultra	
Rated payload	270 kg 210 kg 180 kg 120 kg -	160 kg 120 kg -	500 kg 420 kg 360 kg 340 kg 280 kg 240 kg 240 kg	800 kg 640 kg 560 kg 480 kg 480 kg -	1500 kg -	
Maximum payload	344 kg 273 kg 228 kg 146 kg -	224 kg 197 kg -	611 kg 527 kg 474 kg 418 kg 358 kg 292 kg 300 kg	972 kg 835 kg 681 kg 568 kg 591 kg -	1858 kg -	
Rated supplementary load on arm	50 kg	50 kg	50 kg	50 kg	50 kg	
Max. reach ¹⁾ /Z-stroke	3105 mm 3305 mm 3505 mm 3904 mm -	1573 mm 1803 mm -	2800 mm 3100 mm 2800 mm 3100 mm 3400 mm 3100 mm 3750 mm 3400 mm	2800 mm 2800 mm 3100 mm 3700 mm 3400 mm -	3226 mm -	
Number of axes	6	6	6	6	6	
Positioning repeatability	±0.05 mm	±0.06 mm	±0.08 mm	±0.08 mm	±0.08 mm	
Weight (robot) approx.	1260 kg 1266 kg 1256 kg 1280 kg -	677 kg 684 kg -	1671 kg 1704 kg 1660 kg 1728 kg 1687 kg 1620 kg 1597 kg	2400 kg 2170 kg 2170 kg 2140 kg 2460 kg -	4640 kg -	
Mounting position	Floor	Floor, Ceiling ²⁾	Floor	Floor	Floor	
Version (optional)	F	-	F HI	MT F HI	F	
Comments	-	-	-	-	-	
Axis data Range	A1	±185°	±180°	±185°	±170°	
	A2	+70°/-120°	+45°/-145°	+5°/-130°	+20°/-130°	+5°/-120°
	A3	+168°/-120°	+150°/-130°	+162°/-110°	+165°/-100°	+150°/-100°
	A4	±350°	±350°	±350°	±350°	±350°
	A5	±122.5°/±125°	±125°	±120°	±120°	±120°
	A6	±350°	±350°	±350°	±350°	±350°
	A7	-	-	-	-	-
Velocity	A1	105°/s 105°/s 103°/s 105°/s 105°/s -	123°/s 123°/s -	100°/s 100°/s 103°/s 100°/s 103°/s 100°/s 103°/s	80°/s 90°/s 90°/s 80°/s 90°/s -	50°/s -
	A2	101°/s 107°/s 94°/s 94°/s 107°/s -	114°/s 114°/s -	80°/s 80°/s 94°/s 80°/s 97°/s 80°/s 97°/s	60°/s 80°/s 80°/s 60°/s 80°/s -	40°/s -
	A3	107°/s 110°/s 100°/s 100°/s 114°/s -	86°/s 86°/s -	90°/s 90°/s 100°/s 90°/s 104°/s 90°/s 104°/s	60°/s 75°/s 75°/s 60°/s 75°/s -	40°/s -
	A4	140°/s 170°/s 170°/s 136°/s 179°/s -	179°/s 292°/s -	90°/s 90°/s 117°/s 90°/s 90°/s 90°/s 120°/s	90°/s 90°/s 90°/s 90°/s 90°/s -	60°/s -
	A5	113°/s 129°/s 129°/s 129°/s 172°/s -	172°/s 258°/s -	100°/s 100°/s 110°/s 100°/s 100°/s 100°/s 125°/s	80°/s 90°/s 90°/s 90°/s 90°/s -	60°/s -
	A6	180°/s 206°/s 206°/s 206°/s 219°/s -	220°/s 284°/s -	163°/s 160°/s 163°/s 163°/s 163°/s 163°/s 125°/s	130°/s 130°/s 130°/s 140°/s 140°/s -	80°/s -

The technical data in the table apply exclusively to standard versions.
 1) Refers to intersection of axes 4 and 5 2) Different Axis data for ceiling-mounted variants



Palletizing Robots

	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>
Types	KR 40 PA	KR QUANTEC-1 PA ¹⁾	KR QUANTEC-2 PA	KR FORTEC PA	KR FORTEC ultra PA
Rated payload	40 kg	240 kg 180 kg 120 kg	240 kg 180 kg 140 kg	470 kg 340 kg	800 kg 550 kg
Maximum payload	60 kg	-	292 kg 230 kg 180 kg	506 kg 413 kg	946 kg 687 kg
Rated supplementary load on arm	20 kg	50 kg	50 kg	50 kg	50 kg
Max. reach ²⁾ / Z-stroke	2091 mm	3195 mm 3195 mm 3195 mm	3195 mm 3195 mm 3195 mm	3200 mm 3200 mm	3200 mm 3200 mm
Number of axes	4	5	5	5	5
Positioning repeatability	±0.05 mm	±0.06 mm	±0.07 mm	±0.08 mm	±0.08 mm
Weight (robot) approx.	695 kg	1103 kg 1093 kg 1075 kg	1017 kg 1017 kg 1017 kg	1590 kg 1590 kg	2320 kg 2050 kg
Mounting position	Floor	Floor	Floor	Floor	Floor
Version (optional)	-	A	H0	-	-
Comments	-	-	-	-	-
Axis data	±155°	±185°	±185°	±185°	±185°
A1	-15°/-120°	-5°/-140°	-5°/-140°	+5°/-130°	+20°/-130°
A2	+145°/+15°	+155°/0°	+165°/0°	+0°/-160°	+160°/-10°
A3	-	-	-	-	-
A4	-	-	-	-	-
A5	-	-	+150°/-55°	±118°	±118°
A6	±350°	±350°	±350°	±350°	±350°
A7	-	-	-	-	-
Velocity	183°/s	105°/s 105°/s 124°/s	137°/s 137°/s 137°/s	90°/s 100°/s	80°/s 90°/s
A1	-	-	-	-	-
A2	153°/s	101°/s 107°/s 115°/s	111°/s 111°/s 111°/s	75°/s 90°/s	60°/s 80°/s
A3	212°/s	107°/s 114°/s 112°/s	119°/s 119°/s 119°/s	75°/s 90°/s	60°/s 75°/s
A4	-	-	-	-	-
A5	-	173°/s 173°/s 217°/s	225°/s 225°/s 225°/s	90°/s 100°/s	80°/s 90°/s
A6	374°/s	242°/s 242°/s 242°/s	321°/s 321°/s 321°/s	195°/s 195°/s	195°/s 195°/s



Press Linking

	<u>32</u>
Types	KR QUANTEC-2 P
Rated payload	120 kg
Maximum payload	120 kg
Rated supplementary load on arm	50 kg
Max. reach ²⁾ / Z-stroke	3505 mm
Number of axes	6
Positioning repeatability	±0.05 mm
Weight (robot) approx.	1281 kg
Mounting position	Floor, Ceiling ²⁾
Version (optional)	-
Comments	-
Axis data	±185°
A1	+70°/-120°
A2	+168°/-120°
A3	-
A4	±350°
A5	±122.5°
A6	±350°
Velocity	112°/s
A1	-
A2	107°/s
A3	114°/s
A4	150°/s
A5	129°/s
A6	219°/s

Linear Units

	<u>33</u>	<u>34</u>	<u>35</u>	<u>36</u>
Types	KL 100	KL 250-3	KL 4000	KL 5000
Rated payload	100 kg	300 kg	4000 kg	5000 kg
Maximum payload	-	-	-	-
Rated supplementary load on arm	-	-	-	-
Max. reach ²⁾ / Z-stroke	-	-	-	-
Number of axes	1	1	1	1
Positioning repeatability	±0.02 mm	±0.02 mm	±0.02 mm	±0.02 mm
Weight (robot) approx.	travel-dependent	travel-dependent	travel-dependent	travel-dependent
Mounting position	Floor, Ceiling, Wall	Floor, Ceiling	Floor, Ceiling	Floor
Version (optional)	-	CV	S	-
Comments	-	-	-	-
Axis data	Axis 7: 0.25-30 m	Axis 7: 1.1-30.1 m	Axis 7: 0.4-30.4 m	Axis 7: 0.3-30.3 m
Velocity	2.48 m/s	1.47 m/s	1.89 m/s	Traversing velocity 1.89 m/s

The technical data in the table apply exclusively to standard versions.

1) Refers to intersection of axes 4 and 5 2) Different Axis data for ceiling-mounted variants 3) Only available in special versions



Mobile platforms

	<u>37</u>	<u>38</u>	<u>39</u>
Types	KMP 250P	KMP 600W	KMP 600P
Rated payload	250 kg	600 kg	600 kg
Dimensions L x W x H	800 x 520 x 300 mm	980 x 686 x 267 mm	980 x 686 x 270 mm
Lift stroke	60 mm (optional)	60 mm	80 mm (optional)
Lift clearance height		25 mm	25 mm
Drive	differential	differential	differential
Navigation	SLAM & QR	QR	SLAM & QR
Laser safety scanners	2 (diagonal)	1 (front, not safe)	2 (diagonal)
Max. speed (w/o load)	2 m/s	2 m/s	2 m/s
Max. speed (w load)	1,5 m/s	1,5 m/s	1,5 m/s
Stopping accuracy	±10 mm, ±1° SLAM ±5 mm, ±0,5° QR	±5 mm, ±0,5°	±10 mm, ±1° SLAM ±5 mm, ±0,5° QR
Battery	LFP	LFP	LFP
Battery endurance	8 h	8 h	8 h
IP protection class	IP24	IP20	IP54
Operating temperature	0-45°C	0-45°C	0-45°C
Certification	CE, NRTL, FCC, CR	CE DOI, NRTL, FCC	CE, NRTL, FCC
Integrated lift	optional	yes	optional
3D cameras	1 front	-	1 front/1 rear
Obstacle avoidance	yes	yes	yes
360° bumper	yes	yes	yes
Display	Virtual display	Touch display	Touch display
Load detection camera	yes	yes	yes
5G	optional	-	optional
Sleepmode module	optional	-	optional
Load detection sensor	yes	-	yes
Compatible robots	--	-	-

	<u>40</u>	<u>41</u>	<u>42</u>
Types	KMP 1500P	KMP 3000P	omniMove
Rated payload	1500 kg	3000 kg	25000 kg 17000 kg 12000 kg 7000 kg 7000 kg 3000 kg
Dimensions L x W x H	1300 x 900 x 263 mm	2200 x 1200 x 370 mm	5610 x 2050 x 650 mm 4620 x 2050 x 650 mm 3520 x 2050 x 650 mm 3220 x 2050 x 650 mm 3650 x 1600 x 420 mm 2750 x 1600 x 420 mm
Lift stroke	60 mm (optional)	100 mm	250 mm 250 mm 250 mm 180 mm 180 mm
Lift clearance height	25 mm	100 mm	-
Drive	differential	omnidirectional	omnidirectional
Navigation	SLAM & QR	SLAM & QR	SLAM & QR line guidance
Laser safety scanners	2 (diagonal)	2 (diagonal)	2 (diagonal)
Max. speed (w/o load)	1,8 m/s	1,2 m/s	0,83 m/s
Max. speed (w load)	1,5 m/s	1 m/s	up to 0,83 m/s
Stopping accuracy	±10 mm, ±1° SLAM ±5 mm, ±0,5° QR	±15 mm, ±1° SLAM ±5 mm, ±0,5° QR	±10 mm, ±1° SLAM ±3 mm, ±0,1° QR
Battery	LFP	LFP	Lead gel
Battery endurance	10 h	6-8 h	4 h
IP protection class	IP54	IP54	IP54
Operating temperature	0-45°C	5-45°C	0-45°C
Certification	CE, NRTL, FCC	CE, NRTL, FCC	CE
Integrated lift	optional	yes	optional
3D cameras	2 front/1 rear	4 (1 in each direction)	-
Obstacle avoidance	yes	yes	-
360° bumper	yes	yes	-
Display	Touch display	Touch display	Virtual display
Load detection camera	yes	yes	optional
5G	optional	optional	-
Sleepmode module	optional	-	-
Load detection sensor	yes	yes	yes
Compatible robots	-	-	LBR iisy 15 R930 LBR iisy 11 R1300

Mobile robotics

	<u>43</u>
Types	KMR iisy
Rated payload	200 kg
Dimensions L x W x H	1150 x 695 x 700 mm (without robot)
Lift stroke	-
Lift clearance height	-
Drive	differential
Navigation	SLAM & QR
Laser safety scanners	2 (diagonal)
Max. speed (w/o load)	1,5 m/s
Max. speed (w load)	up to 1,5 m/s
Stopping accuracy	±15 mm, ±1°
Battery	Li-ion
Battery endurance	8 h
IP protection class	IP54
Operating temperature	10-40°C
Certification	CE DOI, NRTL, FCC, CR
Integrated lift	-
3D cameras	4 (optional)
Obstacle avoidance	yes
360° bumper	-
Display	smartPAD or smartPLUG
Load detection camera	-
5G	-
Sleepmode module	-
Load detection sensor	-
Compatible robots	LBR iisy 15 R930 LBR iisy 11 R1300



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