AUTOMATION CONTROL
ROBOTICS > DRIVES > SYSTEMS

KUKA

Robotics_**Range**

CR Suitable for cleanrooms
F Foundry version
WP Splash-proof
CV Covered
S Speed
T Torque
HO Food-compatible lubricants
HM Hygienic machine
HP High protection
EX Suitable for use in potentially explosive environments

Small Robots

Number	_01	_02	_03	_04
Types	LBR iiwa	KR 3 AGILUS	KR AGILUS-1[6]	KR AGILUS-2
Rated payload[1]	7 kg 14 kg – – – – –	3 kg – – – – – –	10 kg 10 kg 6 kg 6 kg – – –	10 kg 10 kg 6 kg 6 kg – – –
Rated supplementary load on arm	–	–	–	–
Max. reach[2] / Z-stroke	800 mm 820 mm – – – – –	541 mm – – – – – –	1101 mm 901 mm 901 mm 706 mm – – –	1100 mm 900 mm 900 mm 726 mm – – –
Number of axes	7	6	6	6
Positioning repeatability	<±0.1 / <±0.15 mm	<±0.02 mm	±0.03 mm	±0.01 mm
Weight (robot) approx.	23.9 kg 29.9 kg – – – – –	26 kg – – – – – –	54 kg 52 kg 52 kg 50 kg – – –	55 kg 54 kg 54 kg 53 kg – – –
Mounting position	Wall, Floor, Ceiling, Angle	Wall, Floor, Ceiling, Angle	Wall, Floor, Ceiling[3]	Wall, Floor, Ceiling, Angle
Version (optional)	–	–	EX HM CR WP	–
Comments	– –	– –	– –	– –
Axis data – Range – A1	±170°	±170°	±170°	±170°
Range – A2	+120°	+50°/–170°	+45°/–190°	+45°/–190°
Range – A3	±170°	+155°/–110°	+156°/–120°	+156°/–120°
Range – A4	+120°	±175°	±185°	±185°
Range – A5	±170°	±120°	±120°	±120°
Range – A6	±120°	±350°	±350°	±350°
Range – A7	±175°	–	–	–
Velocity – A1	85°/s 98°/s – – – – –	– – – – – – –	300°/s 300°/s 360°/s 360°/s – – –	300°/s 300°/s 360°/s 360°/s – – –
Velocity – A2	85°/s 98°/s – – – – –	– – – – – – –	255°/s 255°/s 300°/s 300°/s – – –	255°/s 255°/s 300°/s 300°/s – – –
Velocity – A3	100°/s 100°/s – – – – –	– – – – – – –	255°/s 255°/s 360°/s 360°/s – – –	330°/s 330°/s 360°/s 360°/s – – –
Velocity – A4	75°/s 130°/s – – – – –	– – – – – – –	381°/s 381°/s 381°/s 381°/s – – –	360°/s 360°/s 450°/s 450°/s – – –
Velocity – A5	130°/s 140°/s – – – – –	– – – – – – –	311°/s 311°/s 388°/s 388°/s – – –	360°/s 360°/s 450°/s 450°/s – – –
Velocity – A6	135°/s 180°/s – – – – –	– – – – – – –	492°/s 492°/s 615°/s 615°/s – – –	438°/s 438°/s 547,5°/s 547,5°/s – – –
Velocity – A7	135°/s 180°/s – – – – –	– – – – – – –	– – – – – – –	– – – – – – –

Low Payloads

Number	_05	_06	_07	_08	_09
Types	KR CYBERTECH nano	KR CYBERTECH arc nano	KR CYBERTECH	KR CYBERTECH arc	KR CYBERTECH KS-F
Rated payload[1]	6 kg 8 kg 10 kg – – – –	6 kg 8 kg 8 kg – – – –	8 kg 12 kg 16 kg 16 kg 20 kg 22 kg –	8 kg – – – – – –	20 kg – – – – – –
Rated supplementary load on arm	10 kg	10 kg	10 kg	10 kg	10 kg
Max. reach[2] / Z-stroke	1821 mm 1621 mm 1421 mm – – – –	1821 mm 1621 mm 1421 mm – – – –	2010 mm 1810 mm 1610 mm 2010 mm 1813 mm 1610 mm –	2101 mm – – – – – –	2010 mm – – – – – –
Number of axes	6	6	6	6	6
Positioning repeatability	<±0.04 mm	<±0.04 mm	<±0.04 mm	<±0.04 mm	<±0.04 mm
Weight (robot) approx.	160 kg 155 kg 145 kg – – – –	165 kg 175 kg 180 kg – – – –	270 kg 264 kg 263 kg 270 kg 250 kg 263 kg –	255 kg – – – – – –	242 kg – – – – – –
Mounting position	Wall, Floor, Ceiling, Angle	Wall, Floor, Ceiling, Angle	Wall, Floor, Ceiling, Angle	Wall, Floor, Ceiling, Angle	Floor
Version (optional)	HP	–	CR F HO	–	F
Comments	– –	Arc welding	– –	– –	– –
Axis data – Range – A1	±170°	±170°	±185°	±185°	±125°
Range – A2	+65°/–185°	+65°/–185°	+65°/–185°	+65°/–185°	+90°/–120°
Range – A3	+163°/–137°	+180°/–120°	+172°/–142°	+175°/–138°	+175°/–138°
Range – A4	±185°	±165°	±350°	±350°	±350°
Range – A5	±120°	+140°/–150°	±130°	±130°	±130°
Range – A6	±350°	±350°	±350°	±350°	±350°
Range – A7	–	–	–	–	–
Velocity – A1	– – – – – – –	– – – – – – –	200°/s – – – – – –	200°/s – – – – – –	200°/s – – – – – –
Velocity – A2	– – – – – – –	– – – – – – –	175°/s – – – – – –	175°/s – – – – – –	175°/s – – – – – –
Velocity – A3	– – – – – – –	– – – – – – –	190°/s – – – – – –	190°/s – – – – – –	190°/s – – – – – –
Velocity – A4	– – – – – – –	– – – – – – –	430°/s – – – – – –	430°/s – – – – – –	430°/s – – – – – –
Velocity – A5	– – – – – – –	– – – – – – –	430°/s – – – – – –	430°/s – – – – – –	430°/s – – – – – –
Velocity – A6	– – – – – – –	– – – – – – –	630°/s – – – – – –	630°/s – – – – – –	630°/s – – – – – –
Velocity – A7	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –

Medium Payloads

Number		_10	_11		_12		_13	_14
Types	KR 30-3	KR 60-3	KR 30 L16-2	KR 30 HA	KR 60 HA	KR 30-4 KS	KR 60-4 KS	KR 60-4 L16-2 KS
Rated payload[1]	30 kg – – – – – –	60 kg 45 kg 30 kg – – – –	16 kg – – – – – –	30 kg – – – – – –	60 kg 45 kg 30 kg – – – –	30 kg – – – – – –	60 kg 45 kg 30 kg – – – –	16 kg – – – – – –
Rated supplementary load on arm	35 kg	35 kg	35 kg	35 kg	35 kg	35 kg	35 kg	35 kg
Max. reach[2] / Z-stroke	2033 mm – – – – – –	2033 mm 2230 mm 2429 mm – – – –	3102 mm – – – – – –	2033 mm – – – – – –	2033 mm 2230 mm 2429 mm – – – –	2233 mm – – – – – –	2233 mm 2430 mm 2628 mm – – – –	2952 mm – – – – – –
Number of axes	6	6	6	6	6	6	6	6
Positioning repeatability	<±0.06 mm	<±0.06 mm	<±0.07 mm	<±0.05 mm	<±0.05 mm	<±0.06 mm	<±0.06 mm	<±0.06 mm
Weight (robot) approx.	665 kg – – – – – –	665 kg 671 kg 679 kg – – – –	700 kg – – – – – –	665 kg – – – – – –	665 kg 671 kg 679 kg – – – –	600 kg – – – – – –	600 kg 610 kg 615 kg – – – –	650 kg – – – – – –
Mounting position	Floor, Ceiling	Floor, Ceiling	Floor, Ceiling	Floor, Ceiling	Floor, Ceiling	Floor	Floor	Floor
Version (optional)	F	F	F	–	–	F	F	–
Comments	– –	– –	– –	highly accurate	highly accurate	– –	– –	– –
Axis data – Range – A1	±185°	±185°	±185°	±185°	±185°	±150°	±150°	±150°
Range – A2	+35°/–135°	+35°/–135°	+35°/–135°	+35°/–135°	+35°/–135°	+75°/–105°	+75°/–105°	+75°/–115°
Range – A3	+158°/–120°	+158°/–120°	+158°/–120°	+158°/–120°	+158°/–120°	+158°/–120°	+158°/–120°	+158°/–120°
Range – A4	±350°	±350°	±350°	±350°	±350°	±350°	±350°	±350°
Range – A5	±119°	±119°	±130°	±119°	±119°	±119°	±119°	±130°
Range – A6	±350°	±350°	±350°	±350°	±350°	±350°	±350°	±350°
Range – A7	–	–	–	–	–	–	–	–
Velocity – A1	140°/s – – – – – –	128°/s 128°/s 128°/s – – – –	100°/s – – – – – –	140°/s – – – – – –	128°/s 128°/s 128°/s – – – –	140°/s – – – – – –	138°/s 138°/s 138°/s – – – –	103°/s – – – – – –
Velocity – A2	126°/s – – – – – –	102°/s 102°/s 102°/s – – – –	80°/s – – – – – –	126°/s – – – – – –	102°/s 102°/s 102°/s – – – –	137°/s – – – – – –	130°/s 130°/s 130°/s – – – –	88°/s – – – – – –
Velocity – A3	140°/s – – – – – –	128°/s 128°/s 128°/s – – – –	80°/s – – – – – –	140°/s – – – – – –	128°/s 128°/s 128°/s – – – –	166°/s – – – – – –	166°/s 166°/s 166°/s – – – –	81°/s – – – – – –
Velocity – A4	260°/s – – – – – –	260°/s 260°/s 260°/s – – – –	230°/s – – – – – –	260°/s – – – – – –	260°/s 260°/s 260°/s – – – –	260°/s – – – – – –	260°/s 260°/s 260°/s – – – –	230°/s – – – – – –
Velocity – A5	245°/s – – – – – –	245°/s 245°/s 245°/s – – – –	165°/s – – – – – –	245°/s – – – – – –	245°/s 245°/s 245°/s – – – –	245°/s – – – – – –	245°/s 245°/s 245°/s – – – –	165°/s – – – – – –
Velocity – A6	322°/s – – – – – –	322°/s 322°/s 322°/s – – – –	249°/s – – – – – –	322°/s – – – – – –	322°/s 322°/s 322°/s – – – –	322°/s – – – – – –	322°/s 322°/s 322°/s – – – –	249°/s – – – – – –
Velocity – A7	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –

High Payloads

Number	_15	_16	_17	_18	_19	_20	_21	_22	_23
Types	KR QUANTEC prime K	KR QUANTEC ultra K	KR QUANTEC pro	KR QUANTEC extra	KR QUANTEC prime	KR QUANTEC ultra	KR QUANTEC extra HA	KR QUANTEC nano	KR QUANTEC nano F exclusive
Rated payload[1]	210 kg 180 kg 150 kg 120 kg 90 kg – –	270 kg 270 kg 240 kg 210 kg 180 kg 150 kg 120 kg	120 kg 90 kg – – – – –	210 kg 180 kg 150 kg 120 kg 90 kg – –	240 kg 240 kg 210 kg[4] 180 kg 150 kg – –	300 kg 270 kg 240 kg 210 kg – – –	120 kg 90 kg 90 kg – – – –	160 kg 120 kg – – – – –	180 kg 120 kg – – – – –
Rated supplementary load on arm	50 kg	50 kg	50 kg	50 kg	50 kg	50 kg	50 kg	50 kg	30 kg
Max. reach[2] / Z-stroke	2901 mm 3101 mm 3301 mm 3501 mm 3701 mm – –	3101 mm 2901 mm 3101 mm 3301 mm 3501 mm 3701 mm 3901 mm	2496 mm 2696 mm – – – – –	2696 mm[5] 2496 mm 2696 mm 2896 mm 3095 mm – –	2496 mm 2696 mm 2696 mm 2896 mm 3095 mm – –	2496 mm 2696 mm 2896 mm 3095 mm – – –	2696 mm 2896 mm 3095 mm – – – –	1573 mm 1803 mm – – – – –	2100 mm 2100 mm – – – – –
Number of axes	6	6	6	6	6	6	6	6	6
Positioning repeatability	<±0.06 mm	<±0.06 mm	<±0.06 mm	<±0.06 mm	<±0.06 mm	<±0.06 mm	<±0.04 mm	<±0.06 mm	±0.05 mm
Weight (robot) approx.	1180 kg 1168 kg 1184 kg 1192 kg 1204 kg – –	1198 kg 1189 kg 1198 kg 1214 kg 1201 kg 1215 kg 1221 kg	1049 kg 1058 kg – – – – –	1068 kg 1059 kg 1068 kg 1084 kg 1092 kg – –	1102 kg 1111 kg 1111 kg 1106 kg 1114 kg – –	1120 kg 1129 kg 1145 kg 1154 kg – – –	1104 kg 1121 kg 1129 kg – – – –	684 kg 677 kg – – – – –	998 kg 963 kg – – – – –
Mounting position	Floor	Floor	Floor	Floor, Ceiling	Floor	Floor, Ceiling	Floor	Floor, Ceiling	Floor
Version (optional)	–	F	–	F	CR F	F	–	–	F
Comments	– –	– –	– –	– –	– –	– –	highly accurate	– –	– –
Axis data – Range – A1	±185°	±185°	±185°	±185°	±185°	±185°	±185°	±180°	±165°
Range – A2	+70°/–140°	+70°/–140°	–5°/–140°	–5°/–140°	–5°/–140°	–5°/–140°	–5°/–140°	+45°/–145°	+45°/–135°
Range – A3	+155°/–120°	+155°/–120°	+155°/–120°	+155°/–120°	+155°/–120°	+155°/–120°	+155°/–120°	+145°/–130°	+155°/–65°
Range – A4	±350°	±350°	±350°	±350°	±350°	±350°	±350°	±350°	±350°
Range – A5	+125°/–122.5°	+125°/–122.5°	±125°	±125°	+125°/–122.5°	+125°/–122.5°	±125°	±120°	±125°
Range – A6	±350°	±350°	±350°	±350°	±350°	±350°	±350°	±350°	±350°
Range – A7	–	–	–	–	–	–	–	–	–
Velocity – A1	105°/s 105°/s 105°/s 105°/s 105°/s – –	105°/s 105°/s 105°/s 105°/s 105°/s 105°/s 105°/s	136°/s 136°/s – – – – –	123°/s 123°/s 123°/s 123°/s 123°/s – –	105°/s 105°/s 105°/s 105°/s 105°/s – –	105°/s 105°/s 105°/s 105°/s – – –	105°/s 105°/s 105°/s – – – –	123°/s 123°/s – – – – –	136°/s 136°/s – – – – –
Velocity – A2	107°/s 107°/s 107°/s 107°/s 107°/s – –	101°/s 101°/s 101°/s 101°/s 101°/s 101°/s 101°/s	130°/s 130°/s – – – – –	115°/s 115°/s 115°/s 115°/s 115°/s – –	107°/s 107°/s 107°/s 107°/s 107°/s – –	101°/s 101°/s 101°/s 101°/s – – –	101°/s 101°/s 101°/s – – – –	114°/s 114°/s – – – – –	95°/s 95°/s – – – – –
Velocity – A3	114°/s 114°/s 114°/s 114°/s 114°/s – –	107°/s 107°/s 107°/s 107°/s 107°/s 107°/s 107°/s	120°/s 120°/s – – – – –	112°/s 120°/s 120°/s 120°/s 120°/s – –	114°/s 114°/s 114°/s 114°/s 114°/s – –	107°/s 107°/s 107°/s 107°/s – – –	107°/s 107°/s 107°/s – – – –	86°/s 86°/s – – – – –	120°/s 120°/s – – – – –
Velocity – A4	136°/s 179°/s 179°/s 292°/s 292°/s – –	122°/s 122°/s 136°/s 136°/s 179°/s 179°/s 292°/s	292°/s 292°/s – – – – –	179°/s 179°/s 179°/s 292°/s 292°/s – –	136°/s 136°/s 136°/s 179°/s 179°/s – –	122°/s 122°/s 136°/s 136°/s – – –	292°/s 292°/s 292°/s – – – –	179°/s 179°/s – – – – –	179°/s 292°/s – – – – –
Velocity – A5	129°/s 172°/s 172°/s 258°/s 258°/s – –	113°/s 113°/s 129°/s 129°/s 172°/s 172°/s 258°/s	258°/s 258°/s – – – – –	172°/s 172°/s 172°/s 258°/s 258°/s – –	129°/s 129°/s 129°/s 172°/s 172°/s – –	113°/s 113°/s 129°/s 129°/s – – –	258°/s 258°/s 258°/s – – – –	172°/s 172°/s – – – – –	172°/s 258°/s – – – – –
Velocity – A6	206°/s 219°/s 219°/s 284°/s 284°/s – –	175°/s 175°/s 206°/s 206°/s 219°/s 219°/s 284°/s	284°/s 284°/s – – – – –	219°/s 219°/s 219°/s 284°/s 284°/s – –	206°/s 206°/s 206°/s 219°/s 219°/s – –	175°/s 175°/s 206°/s 206°/s – – –	284°/s 284°/s 284°/s – – – –	220°/s 220°/s – – – – –	219°/s 284°/s – – – – –
Velocity – A7	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –

Heavy Payloads

Number		_24	_25	_26	_27
Types	KR 360 FORTEC	KR 500 FORTEC	KR 600 FORTEC	KR 500 FORTEC MT	KR 1000 titan
Rated payload[1]	360 kg 280 kg 240 kg – – – –	500 kg 420 kg 340 kg – – – –	600 kg 510 kg 420 kg – – – –	500 kg 480 kg – – – – –	1000 kg 750 kg – – – – –
Rated supplementary load on arm	50 kg	50 kg	50 kg	50 kg	50 kg
Max. reach[2] / Z-stroke	2826 mm 3076 mm 3326 mm – – – –	2826 mm 3076 mm 3326 mm – – – –	2826 mm 3076 mm 3326 mm – – – –	2826 mm 3326 mm – – – – –	3202 mm 3601 mm – – – – –
Number of axes	6	6	6	6	6
Positioning repeatability	±0.08 mm	±0.08 mm	±0.08 mm	±0.08 mm	±0.10 mm
Weight (robot) approx.	2385 kg 2415 kg 2421 kg – – – –	2385 kg 2415 kg 2421 kg – – – –	2650 kg 2680 kg 2686 kg – – – –	2440 kg 2475 kg – – – – –	4690 kg 4740 kg – – – – –
Mounting position	Floor, Ceiling	Floor, Ceiling	Floor	Floor	Floor
Version (optional)	F	F	F	F	F
Comments	– –	– –	– –	– –	– –
Axis data – Range – A1	±185°	±185°	±185°	±185°	±150°
Range – A2	+20°/–130°	+20°/–130°	+20°/–130°	+20°/–130°	+17,5°/–130°
Range – A3	+144°/–100°	+144°/–100°	+144°/–100°	+144°/–100°	+145°/–110°
Range – A4	±350°	±350°	±350°	±350°	±350°
Range – A5	±120°	±120°	±120°	±120°	±118°
Range – A6	±350°	±350°	±350°	±350°	±350°
Range – A7	–	–	–	–	–
Velocity – A1	100°/s 100°/s 100°/s – – – –	90°/s 90°/s 90°/s – – – –	80°/s 80°/s 80°/s – – – –	45°/s 45°/s – – – – –	58°/s 58°/s – – – – –
Velocity – A2	90°/s 90°/s 90°/s – – – –	80°/s 80°/s 80°/s – – – –	75°/s 75°/s 75°/s – – – –	45°/s 45°/s – – – – –	50°/s 50°/s – – – – –
Velocity – A3	90°/s 90°/s 90°/s – – – –	75°/s 75°/s 75°/s – – – –	70°/s 70°/s 70°/s – – – –	45°/s 45°/s – – – – –	50°/s 50°/s – – – – –
Velocity – A4	120°/s 120°/s 120°/s – – – –	90°/s 90°/s 90°/s – – – –	70°/s 70°/s 70°/s – – – –	90°/s 90°/s – – – – –	60°/s 60°/s – – – – –
Velocity – A5	110°/s 110°/s 110°/s – – – –	83°/s 83°/s 83°/s – – – –	70°/s 70°/s 70°/s – – – –	83°/s 83°/s – – – – –	60°/s 60°/s – – – – –
Velocity – A6	160°/s 160°/s 160°/s – – – –	130°/s 130°/s 130°/s – – – –	110°/s 110°/s 110°/s – – – –	130°/s 130°/s – – – – –	72°/s 72°/s – – – – –
Velocity – A7	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –

Palletizing Robots

Number	_28	_29	_30	_31		_32	_33		_34
Types	KR 40 PA	KR 120 R3200 PA	KR 180 R3200 PA	KR 240 R3200 PA	KR 300-2 PA	KR 470-2 PA	KR 700 PA	KR 1000 L950 titan PA	KR 1000 1300 titan PA
Rated payload[1]	40 kg – – – – – –	120 kg – – – – – –	180 kg – – – – – –	240 kg – – – – – –	300 kg – – – – – –	470 kg – – – – – –	700 kg – – – – – –	950 kg – – – – – –	1300 kg – – – – – –
Rated supplementary load on arm	20 kg	50 kg	50 kg	50 kg	50 kg	50 kg	50 kg	100 kg	100 kg
Max. reach[2] / Z-stroke	2091 mm – – – – – –	3195 mm – – – – – –	3195 mm – – – – – –	3195 mm – – – – – –	3150 mm – – – – – –	3150 mm – – – – – –	3320 mm – – – – – –	3601 mm – – – – – –	3202 mm – – – – – –
Number of axes	4	5	5	5	5	5	4	6	6
Positioning repeatability	<±0.05 mm	<±0.06 mm	<±0.06 mm	<±0.06 mm	<±0.08 mm	<±0.08 mm	<±0.15 mm	<±0.10 mm	<±0.10 mm
Weight (robot) approx.	695 kg – – – – – –	1075 kg – – – – – –	1093 kg – – – – – –	1103 kg – – – – – –	2150 kg – – – – – –	2150 kg – – – – – –	2850 kg – – – – – –	4740 kg – – – – – –	4690 kg – – – – – –
Mounting position	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor
Version (optional)	HO	Arctic, HO	Arctic, HO	Arctic, HO	–	–	Arctic	F	F
Comments	– –	– –	– –	– –	– –	– –	– –	– –	– –
Axis data – Range – A1	±155°	±185°	±185°	±185°	±185°	±185°	±185°	±150°	±150°
Range – A2	–15°/–120°	–5°/–140°	–5°/–140°	–5°/–140°	+20°/–130°	+20°/–130°	+10°/–120°	+17.5°/–130°	+17.5°/–130°
Range – A3	+15°/+145°	0°/+155°	0°/+155°	0°/+155°	+155°/0°	+158°/0°	–10°/+150°	+62°/+145°	+62°/+145°
Range – A4	–	–	–	–	–	–	–	–	–
Range – A5	–	–	–	–	–	–	–	±118°	±118°
Range – A6	±350°	±350°	±350°	±350°	±350°	±350°	±350°	±350°	±350°
Range – A7	–	–	–	–	–	–	–	–	–
Velocity – A1	183°/s – – – – – –	124°/s – – – – – –	105°/s – – – – – –	105°/s – – – – – –	98°/s – – – – – –	84°/s – – – – – –	76°/s – – – – – –	58°/s – – – – – –	58°/s – – – – – –
Velocity – A2	153°/s – – – – – –	115°/s – – – – – –	107°/s – – – – – –	101°/s – – – – – –	91°/s – – – – – –	78°/s – – – – – –	76°/s – – – – – –	50°/s – – – – – –	50°/s – – – – – –
Velocity – A3	212°/s – – – – – –	112°/s – – – – – –	114°/s – – – – – –	107°/s – – – – – –	89°/s – – – – – –	73°/s – – – – – –	67°/s – – – – – –	50°/s – – – – – –	50°/s – – – – – –
Velocity – A4	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	60°/s – – – – – –	60°/s – – – – – –
Velocity – A5	– – – – – – –	217°/s – – – – – –	173°/s – – – – – –	173°/s – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	60°/s – – – – – –	60°/s – – – – – –
Velocity – A6	374°/s – – – – – –	242°/s – – – – – –	242°/s – – – – – –	242°/s – – – – – –	177°/s – – – – – –	177°/s – – – – – –	168°/s – – – – – –	72°/s – – – – – –	72°/s – – – – – –
Velocity – A7	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –

Press

Number	_35
Types	KR QUANTEC press
Rated payload[1]	120 kg 100 kg – – – – –
Rated supplementary load on arm	50 kg
Max. reach[2] / Z-stroke	3501 mm 3501 mm – – – – –
Number of axes	6
Positioning repeatability	<±0.06 mm
Weight (robot) approx.	1240 kg 1240 kg – – – – –
Mounting position	Floor, Ceiling
Version (optional)	–
Comments	– –
Axis data – Range – A1	±185°
Range – A2	+70°/–120°
Range – A3	+155°/–120°
Range – A4	±350°
Range – A5	±122.5°
Range – A6	±350°
Range – A7	–
Velocity – A1	136°/s 136°/s – – – – –
Velocity – A2	137°/s 137°/s – – – – –
Velocity – A3	114°/s 114°/s – – – – –
Velocity – A4	136°/s 136°/s – – – – –
Velocity – A5	129°/s 129°/s – – – – –
Velocity – A6	206°/s 206°/s – – – – –
Velocity – A7	– – – – – – –

Linear Units

Number	_36	_37	_38	_39	_40	_41
Types	KL 100	KL 250-3	KL 1000-2	KL 1500 CV	KL 3000	KL 4000
Rated payload[1]	100 kg – – – – – –	300 kg – – – – – –	1000 kg – – – – – –	2000 kg – – – – – –	6500 kg – – – – – –	4000 kg – – – – – –
Rated supplementary load on arm	–	–	–	–	–	–
Max. reach[2] / Z-stroke	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –
Number of axes	1	1	1	1	1	1
Positioning repeatability	<±0.02 mm	<±0.02 mm	<±0.02 mm	±0.02 mm	<±0.02 mm	±0.02 mm
Weight (robot) approx.	Travel-dependent – – – –	Travel-dependent – – – –	Travel-dependent – – – –	Travel-dependent – – – –	Travel-dependent – – – –	Travel-dependent – – – –
Mounting position	Wall, Floor, Ceiling	Floor, Ceiling	Floor, Ceiling	Floor	Floor	Floor, Ceiling
Version (optional)	–	CV	CV	CV	CV	S
Comments	Axis 7: 0.25–30 m	Axis 7: 1.1–30.1 m	Axis 7: 1.2–30.2 m	Axis 7: 1–30 m	Axis 7: 0.8–29.8 m	Axis 7: 0.4–30.4 m
Axis data – Range – A1	–	–	–	–	–	–
Range – A2	–	–	–	–	–	–
Range – A3	–	–	–	–	–	–
Range – A4	–	–	–	–	–	–
Range – A5	–	–	–	–	–	–
Range – A6	–	–	–	–	–	–
Range – A7	–	–	–	–	–	–
Velocity – A1	– 2.5 m/s – – – – –	– 1.41 m/s – – – – –	– 2.35 m/s – – – – –	– 1.45 m/s 1.89 m/s 2.35 m/s – – –	– 1.45 m/s – – – – –	Traversing velocity 2.35 m/s – – – – –
Velocity – A2	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –
Velocity – A3	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –
Velocity – A4	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –
Velocity – A5	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –
Velocity – A6	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –
Velocity – A7	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –	– – – – – – –

Jet

Number	_42	_43
Types	KR 30-2 JET	KR 60-2 JET
Rated payload[1]	30 kg – – – – – –	60 kg 45 kg 30 kg – – – –
Rated supplementary load on arm	35 kg	35 kg
Max. reach[2] / Z-stroke	2002 mm – – – – – –	2002 mm 2202 mm 2402 mm – – – –
Number of axes	6	6
Positioning repeatability	<±0.10 mm	<±0.15 mm
Weight (robot) approx.	435 kg – – – – – –	435 kg 471 kg 479 kg – – – –
Mounting position	Floor, Ceiling	Floor, Ceiling
Version (optional)	–	–
Comments	– –	– –
Axis data – Range – A1	1.5–30 m	1.5–30 m
Range – A2	0°/–180°	0°/–180°
Range – A3	+158°/–120°	+158°/–120°
Range – A4	±350°	±350°
Range – A5	±119°	±119°
Range – A6	±350°	±350°
Range – A7	–	–
Velocity – A1	3.1 m/s – – – – –	Traversing velocity 3.1 m/s 3.1 m/s 3.1 m/s – – –
Velocity – A2	126°/s – – – – – –	120°/s 120°/s 120°/s – – – –
Velocity – A3	166°/s – – – – – –	166°/s 166°/s 166°/s – – – –
Velocity – A4	260°/s – – – – – –	260°/s 260°/s 260°/s – – – –
Velocity – A5	245°/s – – – – – –	245°/s 245°/s 245°/s – – – –
Velocity – A6	322°/s – – – – – –	322°/s 322°/s 322°/s – – – –
Velocity – A7	– – – – – – –	– – – – – – –

1) Valid for standard version
2) Refers to intersection of axes 4 and 5
3) Different axis data for ceiling variants
4) Robot model available as ceiling-mounted variant
5) Robot model not available as ceiling-mounted or Foundry variant
6) Only available in special versions

Product Range

Number	_01	_02	_03	_04	_05
Types	LBR iiwa 14 R820 LBR iiwa 7 R800	KR 3 R540	KR 10 R1100 KR 10 R900 KR 6 R900 KR 6 R700	KR 10 R1100-2 KR 10 R900-2 KR 6 R900-2 KR 6 R700-2	KR 6 R1820 KR 8 R1620 KR 10 R1420
Rated payload[1]	14 kg 7 kg	3 kg	10 kg 10 kg 6 kg 6 kg	10 kg 10 kg 6 kg 6 kg	6 kg 8 kg 10 kg
Rated supplementary load on arm	0 kg 0 kg	–	0 kg 0 kg 0 kg 0 kg	0 kg 0 kg 0 kg 0 kg	0 kg 0 kg 0 kg
Max. reach[1] / Z-stroke	820 mm 800 mm	540 mm	1100 mm 900 mm 900 mm 700 mm	1100 mm 900 mm 900 mm 700 mm	1820 mm 1620 mm 1420 mm
Number of axes	7	6	6	6	6
Positioning repeatability	±0.1 mm ±0.1 mm	±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm
Weight (robot) approx.	30 kg 23 kg	54 kg	54 kg 54 kg 54 kg 54 kg	54 kg 54 kg 54 kg 54 kg	54 kg 54 kg 54 kg
Mounting position	any	any	any	any	any
Version (optional)					
Comments					
Axis data – Range A1	±170°	±185°	±170°	±170°	±170°
Axis data – Range A2	±120°	±130°	±120°	±120°	±120°
Axis data – Range A3	±170°	±120°	±170°	±170°	±170°
Axis data – Range A4	±120°	±350°	±120°	±120°	±120°
Axis data – Range A5	±170°	±122°	±170°	±170°	±170°
Axis data – Range A6	±175°	±350°	±175°	±175°	±175°
Axis data – Range A7	±175°				
Axis data – Velocity A1	98 °/s 98 °/s	225 °/s	360 °/s 360 °/s 360 °/s 360 °/s	360 °/s 360 °/s 360 °/s 360 °/s	360 °/s 360 °/s 360 °/s
Axis data – Velocity A2	98 °/s 98 °/s	225 °/s	300 °/s 300 °/s 300 °/s 300 °/s	300 °/s 300 °/s 300 °/s 300 °/s	300 °/s 300 °/s 300 °/s
Axis data – Velocity A3	100 °/s 100 °/s	225 °/s	360 °/s 360 °/s 360 °/s 360 °/s	360 °/s 360 °/s 360 °/s 360 °/s	360 °/s 360 °/s 360 °/s
Axis data – Velocity A4	130 °/s 130 °/s	381 °/s	381 °/s 381 °/s 381 °/s 381 °/s	381 °/s 381 °/s 381 °/s 381 °/s	381 °/s 381 °/s 381 °/s
Axis data – Velocity A5	130 °/s 130 °/s	388 °/s	388 °/s 388 °/s 388 °/s 388 °/s	388 °/s 388 °/s 388 °/s 388 °/s	388 °/s 388 °/s 388 °/s
Axis data – Velocity A6	180 °/s 180 °/s	615 °/s	615 °/s 615 °/s 615 °/s 615 °/s	615 °/s 615 °/s 615 °/s 615 °/s	615 °/s 615 °/s 615 °/s
Axis data – Velocity A7	180 °/s 180 °/s				

Number	_06	_07	_08	_09	_10
Types	KR 6 R1820 arc HW KR 8 R1620 arc HW KR 8 R1420 arc HW	KR 22 R1610 KR 20 R1810 KR 16 R2010 KR 16 R1610 KR 12 R1810 KR 8 R1620	KR 8 R2100 arc HW	KR 20 R2010 KS-F	KR 30-3 KR 60-3
Rated payload[1]	6 kg 8 kg 8 kg	22 kg 20 kg 16 kg 16 kg 12 kg 8 kg	8 kg	20 kg	30 kg 60 kg
Rated supplementary load on arm	0 kg 0 kg 0 kg	0 kg 0 kg 0 kg 0 kg 0 kg 0 kg	0 kg	0 kg	0 kg 0 kg
Max. reach[1] / Z-stroke	1820 mm 1620 mm 1420 mm	1610 mm 1810 mm 2010 mm 1610 mm 1810 mm 1620 mm	2100 mm	2010 mm	3000 mm 3000 mm
Number of axes	6	6	6	6	6
Positioning repeatability	±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm ±0.05 mm
Weight (robot) approx.	54 kg 54 kg 54 kg	54 kg 54 kg 54 kg 54 kg 54 kg 54 kg	54 kg	54 kg	54 kg 54 kg
Mounting position	any	any	any	any	any
Version (optional)					
Comments					
Axis data – Range A1	±170°	±185°	±170°	±170°	±170°
Axis data – Range A2	±120°	±130°	±120°	±120°	±120°
Axis data – Range A3	±170°	±120°	±170°	±170°	±170°
Axis data – Range A4	±120°	±350°	±120°	±120°	±120°
Axis data – Range A5	±170°	±122°	±170°	±170°	±170°
Axis data – Range A6	±175°	±350°	±175°	±175°	±175°
Axis data – Range A7					
Axis data – Velocity A1	360 °/s 360 °/s 360 °/s	225 °/s	360 °/s	360 °/s	360 °/s 360 °/s
Axis data – Velocity A2	300 °/s 300 °/s 300 °/s	225 °/s	300 °/s	300 °/s	300 °/s 300 °/s
Axis data – Velocity A3	360 °/s 360 °/s 360 °/s	225 °/s	360 °/s	360 °/s	360 °/s 360 °/s
Axis data – Velocity A4	381 °/s 381 °/s 381 °/s	381 °/s	381 °/s	381 °/s	381 °/s 381 °/s
Axis data – Velocity A5	388 °/s 388 °/s 388 °/s	388 °/s	388 °/s	388 °/s	388 °/s 388 °/s
Axis data – Velocity A6	615 °/s 615 °/s 615 °/s	615 °/s	615 °/s	615 °/s	615 °/s 615 °/s
Axis data – Velocity A7					

Number	_11	_12	_13	_14	_15
Types	KR 30 L16-2	KR 30 HA KR 60 HA	KR 30-4 KS KR 60-4 KS	KR 60-4 L16-2 KS	KR 210 R2900 prime K KR 180 R3100 prime K KR 150 R3300 prime K KR 120 R3500 prime K KR 90 R3700 prime K
Rated payload[1]	30 kg	30 kg 60 kg	30 kg 60 kg	60 kg	210 kg 180 kg 150 kg 120 kg 90 kg
Rated supplementary load on arm	0 kg	0 kg 0 kg	0 kg 0 kg	0 kg	0 kg 0 kg 0 kg 0 kg 0 kg
Max. reach[1] / Z-stroke	1611 mm	1611 mm 1411 mm	1611 mm 1411 mm	1611 mm	2900 mm 3100 mm 3300 mm 3500 mm 3700 mm
Number of axes	6	6	6	6	6
Positioning repeatability	±0.05 mm	±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm	±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm
Weight (robot) approx.	54 kg	54 kg 54 kg	54 kg 54 kg	54 kg	54 kg 54 kg 54 kg 54 kg 54 kg
Mounting position	any	any	any	any	any
Version (optional)					
Comments					
Axis data – Range A1	±170°	±185°	±170°	±170°	±170°
Axis data – Range A2	±120°	±130°	±120°	±120°	±120°
Axis data – Range A3	±170°	±120°	±170°	±170°	±170°
Axis data – Range A4	±120°	±350°	±120°	±120°	±120°
Axis data – Range A5	±170°	±122°	±170°	±170°	±170°
Axis data – Range A6	±175°	±350°	±175°	±175°	±175°
Axis data – Range A7					
Axis data – Velocity A1	360 °/s	225 °/s	360 °/s	360 °/s	360 °/s
Axis data – Velocity A2	300 °/s	225 °/s	300 °/s	300 °/s	300 °/s
Axis data – Velocity A3	360 °/s	225 °/s	360 °/s	360 °/s	360 °/s
Axis data – Velocity A4	381 °/s	381 °/s	381 °/s	381 °/s	381 °/s
Axis data – Velocity A5	388 °/s	388 °/s	388 °/s	388 °/s	388 °/s
Axis data – Velocity A6	615 °/s	615 °/s	615 °/s	615 °/s	615 °/s
Axis data – Velocity A7					

Number	_16	_17	_18	_19	_20
Types	KR 270 R3100 ultra K KR 270 R2900 ultra K KR 240 R3100 ultra K KR 210 R3300 ultra K KR 180 R3500 ultra K KR 150 R3700 ultra K KR 120 R3900 ultra K	KR 120 R2500 pro KR 90 R2700 pro	KR 210 R2700 extra KR 180 R2500 extra KR 150 R2700 extra KR 120 R2900 extra KR 90 R3100 extra	KR 240 R2700 prime KR 240 R2500 prime KR 210 R2700 prime KR 180 R2900 prime KR 150 R3100 prime	KR 300 R2500 ultra KR 270 R2700 ultra KR 240 R2900 ultra KR 210 R3100 ultra
Rated payload[1]	270 kg 270 kg 240 kg 210 kg 180 kg 150 kg 120 kg	120 kg 90 kg	210 kg 180 kg 150 kg 120 kg 90 kg	240 kg 240 kg 210 kg 180 kg 150 kg	300 kg 270 kg 240 kg 210 kg
Rated supplementary load on arm	0 kg 0 kg 0 kg 0 kg 0 kg 0 kg 0 kg	0 kg 0 kg	0 kg 0 kg 0 kg 0 kg 0 kg	0 kg 0 kg 0 kg 0 kg 0 kg	0 kg 0 kg 0 kg 0 kg
Max. reach[1] / Z-stroke	3100 mm 2900 mm 3100 mm 3300 mm 3500 mm 3700 mm 3900 mm	2500 mm 2700 mm	2700 mm 2500 mm 2700 mm 2900 mm 3100 mm	2700 mm 2500 mm 2700 mm 2900 mm 3100 mm	2500 mm 2700 mm 2900 mm 3100 mm
Number of axes	6	6	6	6	6
Positioning repeatability	±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm
Weight (robot) approx.	54 kg 54 kg 54 kg 54 kg 54 kg 54 kg 54 kg	54 kg 54 kg	54 kg 54 kg 54 kg 54 kg 54 kg	54 kg 54 kg 54 kg 54 kg 54 kg	54 kg 54 kg 54 kg 54 kg
Mounting position	any	any	any	any	any
Version (optional)					
Comments					
Axis data – Range A1	±170°	±185°	±170°	±170°	±170°
Axis data – Range A2	±120°	±130°	±120°	±120°	±120°
Axis data – Range A3	±170°	±120°	±170°	±170°	±170°
Axis data – Range A4	±120°	±350°	±120°	±120°	±120°
Axis data – Range A5	±170°	±122°	±170°	±170°	±170°
Axis data – Range A6	±175°	±350°	±175°	±175°	±175°
Axis data – Range A7					
Axis data – Velocity A1	360 °/s	225 °/s	360 °/s	360 °/s	360 °/s
Axis data – Velocity A2	300 °/s	225 °/s	300 °/s	300 °/s	300 °/s
Axis data – Velocity A3	360 °/s	225 °/s	360 °/s	360 °/s	360 °/s
Axis data – Velocity A4	381 °/s	381 °/s	381 °/s	381 °/s	381 °/s
Axis data – Velocity A5	388 °/s	388 °/s	388 °/s	388 °/s	388 °/s
Axis data – Velocity A6	615 °/s	615 °/s	615 °/s	615 °/s	615 °/s
Axis data – Velocity A7					

Number	_21	_22
Types	KR 120 R2700 extra HA KR 90 R2900 extra HA KR 90 R3100 extra HA	KR 160 R1570 nano KR 120 R1800 nano
Rated payload[1]	120 kg 90 kg	160 kg 120 kg
Rated supplementary load on arm	0 kg 0 kg	0 kg 0 kg
Max. reach[1] / Z-stroke	2700 mm 2900 mm 3100 mm	1570 mm 1800 mm
Number of axes	6	6
Positioning repeatability	±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm
Weight (robot) approx.	54 kg 54 kg 54 kg	54 kg 54 kg
Mounting position	any	any
Version (optional)		
Comments		
Axis data – Range A1	±170°	±185°
Axis data – Range A2	±120°	±130°
Axis data – Range A3	±170°	±120°
Axis data – Range A4	±120°	±350°
Axis data – Range A5	±170°	±122°
Axis data – Range A6	±175°	±350°
Axis data – Range A7		
Axis data – Velocity A1	360 °/s	225 °/s
Axis data – Velocity A2	300 °/s	225 °/s
Axis data – Velocity A3	360 °/s	225 °/s
Axis data – Velocity A4	381 °/s	381 °/s
Axis data – Velocity A5	388 °/s	388 °/s
Axis data – Velocity A6	615 °/s	615 °/s
Axis data – Velocity A7		

Number	_23	_24	_25	_26	_27
Types	KR 180 R2100 nano F exclusive KR 120 R2100 nano F exclusive	KR 360 R2830 KR 280 R3080 KR 240 R3330 KR 500 R2830 KR 420 R3080 KR 340 R3330	KR 600 R2830 KR 510 R3080 KR 420 R3330	KR 500 R2830 MT KR 480 R3330 MT	KR 1000 titan
Rated payload[1]	180 kg 120 kg	360 kg 280 kg 240 kg 500 kg 420 kg 340 kg	600 kg 510 kg 420 kg	500 kg 480 kg	1000 kg
Rated supplementary load on arm	0 kg 0 kg	0 kg 0 kg 0 kg 0 kg 0 kg 0 kg	0 kg 0 kg 0 kg	0 kg 0 kg	0 kg
Max. reach[1] / Z-stroke	2100 mm 2100 mm	2830 mm 3080 mm 3330 mm 2830 mm 3080 mm 3330 mm	2830 mm 3080 mm 3330 mm	2830 mm 3330 mm	3200 mm
Number of axes	6	6	6	6	6
Positioning repeatability	±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm ±0.05 mm	±0.05 mm ±0.05 mm	±0.05 mm
Weight (robot) approx.	54 kg 54 kg	54 kg 54 kg 54 kg 54 kg 54 kg 54 kg	54 kg 54 kg 54 kg	54 kg 54 kg	54 kg
Mounting position	any	any	any	any	any
Version (optional)					
Comments					
Axis data – Range A1	±170°	±185°	±170°	±170°	±170°
Axis data – Range A2	±120°	±130°	±120°	±120°	±120°
Axis data – Range A3	±170°	±120°	±170°	±170°	±170°
Axis data – Range A4	±120°	±350°	±120°	±120°	±120°
Axis data – Range A5	±170°	±122°	±170°	±170°	±170°
Axis data – Range A6	±175°	±350°	±175°	±175°	±175°
Axis data – Range A7					
Axis data – Velocity A1	360 °/s	225 °/s	360 °/s	360 °/s	360 °/s
Axis data – Velocity A2	300 °/s	225 °/s	300 °/s	300 °/s	300 °/s
Axis data – Velocity A3	360 °/s	225 °/s	360 °/s	360 °/s	360 °/s
Axis data – Velocity A4	381 °/s	381 °/s	381 °/s	381 °/s	381 °/s
Axis data – Velocity A5	388 °/s	388 °/s	388 °/s	388 °/s	388 °/s
Axis data – Velocity A6	615 °/s	615 °/s	615 °/s	615 °/s	615 °/s
Axis data – Velocity A7					

Number	_28	_29	_30	_31	_32
Types	KR 40 PA	KR 120 R3200 PA	KR 180 R3200 PA	KR 240 R3200 PA	KR 300-2 PA KR 470-2 PA
Rated payload[1]	40 kg	120 kg	180 kg	240 kg	300 kg 470 kg
Rated supplementary load on arm	0 kg	0 kg	0 kg	0 kg	0 kg 0 kg
Max. reach[1] / Z-stroke	2702 mm	3200 mm	3200 mm	3200 mm	3200 mm 2702 mm
Number of axes	6	6	6	6	6
Positioning repeatability	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm ±0.05 mm
Weight (robot) approx.	54 kg	54 kg	54 kg	54 kg	54 kg 54 kg
Mounting position	any	any	any	any	any
Version (optional)					
Comments					
Axis data – Range A1	±185°	±185°	±185°	±185°	±185°
Axis data – Range A2	±130°	±130°	±130°	±130°	±130°
Axis data – Range A3	±120°	±120°	±120°	±120°	±120°
Axis data – Range A4	±350°	±350°	±350°	±350°	±350°
Axis data – Range A5	±122°	±122°	±122°	±122°	±122°
Axis data – Range A6	±350°	±350°	±350°	±350°	±350°
Axis data – Range A7					
Axis data – Velocity A1	225 °/s	225 °/s	225 °/s	225 °/s	225 °/s
Axis data – Velocity A2	225 °/s	225 °/s	225 °/s	225 °/s	225 °/s
Axis data – Velocity A3	225 °/s	225 °/s	225 °/s	225 °/s	225 °/s
Axis data – Velocity A4	381 °/s	381 °/s	381 °/s	381 °/s	381 °/s
Axis data – Velocity A5	388 °/s	388 °/s	388 °/s	388 °/s	388 °/s
Axis data – Velocity A6	615 °/s	615 °/s	615 °/s	615 °/s	615 °/s
Axis data – Velocity A7					

Number	_33	_34	_35	_36	_37
Types	KR 700 PA	KR 1000 L950 titan PA KR 1000 1300 titan PA	KR 120 R3500 press KR 100 R3500 press	KL 100	KL 250-3
Rated payload[1]	700 kg	1000 kg	120 kg 100 kg	100 kg	250 kg
Rated supplementary load on arm	0 kg	0 kg	0 kg 0 kg	0 kg	0 kg
Max. reach[1] / Z-stroke	2702 mm	2702 mm	3500 mm	3100 mm	3100 mm
Number of axes	6	6	6	6	6
Positioning repeatability	±0.05 mm	±0.05 mm	±0.05 mm ±0.05 mm	±0.05 mm	±0.05 mm
Weight (robot) approx.	54 kg	54 kg	54 kg 54 kg	54 kg	54 kg
Mounting position	any	any	any	any	any
Version (optional)					
Comments					
Axis data – Range A1	±185°	±185°	±185°	±185°	±185°
Axis data – Range A2	±130°	±130°	±130°	±130°	±130°
Axis data – Range A3	±120°	±120°	±120°	±120°	±120°
Axis data – Range A4	±350°	±350°	±350°	±350°	±350°
Axis data – Range A5	±122°	±122°	±122°	±122°	±122°
Axis data – Range A6	±350°	±350°	±350°	±350°	±350°
Axis data – Range A7					
Axis data – Velocity A1	225 °/s	225 °/s	225 °/s	225 °/s	225 °/s
Axis data – Velocity A2	225 °/s	225 °/s	225 °/s	225 °/s	225 °/s
Axis data – Velocity A3	225 °/s	225 °/s	225 °/s	225 °/s	225 °/s
Axis data – Velocity A4	381 °/s	381 °/s	381 °/s	381 °/s	381 °/s
Axis data – Velocity A5	388 °/s	388 °/s	388 °/s	388 °/s	388 °/s
Axis data – Velocity A6	615 °/s	615 °/s	615 °/s	615 °/s	615 °/s
Axis data – Velocity A7					

Number	_38	_39	_40	_41	_42
Types	KL 1000-2	KL 1500 CV KL 1500 CV-T KL 1500 CV-S	KL 3000	KL 4000	KR 30-2 JET
Rated payload[1]	1000 kg	1500 kg	3000 kg	4000 kg	30 kg
Rated supplementary load on arm	0 kg	0 kg	0 kg	0 kg	0 kg
Max. reach[1] / Z-stroke	3100 mm	3100 mm	3100 mm	3100 mm	2100 mm
Number of axes	6	6	6	6	6
Positioning repeatability	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm	±0.05 mm
Weight (robot) approx.	54 kg	54 kg	54 kg	54 kg	54 kg
Mounting position	any	any	any	any	any
Version (optional)					
Comments					
Axis data – Range A1	±185°	±185°	±185°	±185°	±185°
Axis data – Range A2	±130°	±130°	±130°	±130°	±130°
Axis data – Range A3	±120°	±120°	±120°	±120°	±120°
Axis data – Range A4	±350°	±350°	±350°	±350°	±350°
Axis data – Range A5	±122°	±122°	±122°	±122°	±122°
Axis data – Range A6	±350°	±350°	±350°	±350°	±350°
Axis data – Range A7					
Axis data – Velocity A1	225 °/s	225 °/s	225 °/s	225 °/s	225 °/s
Axis data – Velocity A2	225 °/s	225 °/s	225 °/s	225 °/s	225 °/s
Axis data – Velocity A3	225 °/s	225 °/s	225 °/s	225 °/s	225 °/s
Axis data – Velocity A4	381 °/s	381 °/s	381 °/s	381 °/s	381 °/s
Axis data – Velocity A5	388 °/s	388 °/s	388 °/s	388 °/s	388 °/s
Axis data – Velocity A6	615 °/s	615 °/s	615 °/s	615 °/s	615 °/s
Axis data – Velocity A7					

Number	_43
Types	KR 60-2 JET
Rated payload[1]	60 kg
Rated supplementary load on arm	0 kg
Max. reach[1] / Z-stroke	2100 mm
Number of axes	6
Positioning repeatability	±0.05 mm
Weight (robot) approx.	54 kg
Mounting position	any
Version (optional)	
Comments	
Axis data – Range A1	±185°
Axis data – Range A2	±130°
Axis data – Range A3	±120°
Axis data – Range A4	±350°
Axis data – Range A5	±122°
Axis data – Range A6	±350°
Axis data – Range A7	
Axis data – Velocity A1	225 °/s
Axis data – Velocity A2	225 °/s
Axis data – Velocity A3	225 °/s
Axis data – Velocity A4	381 °/s
Axis data – Velocity A5	388 °/s
Axis data – Velocity A6	615 °/s
Axis data – Velocity A7	

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