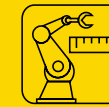


LR Mate 200iD



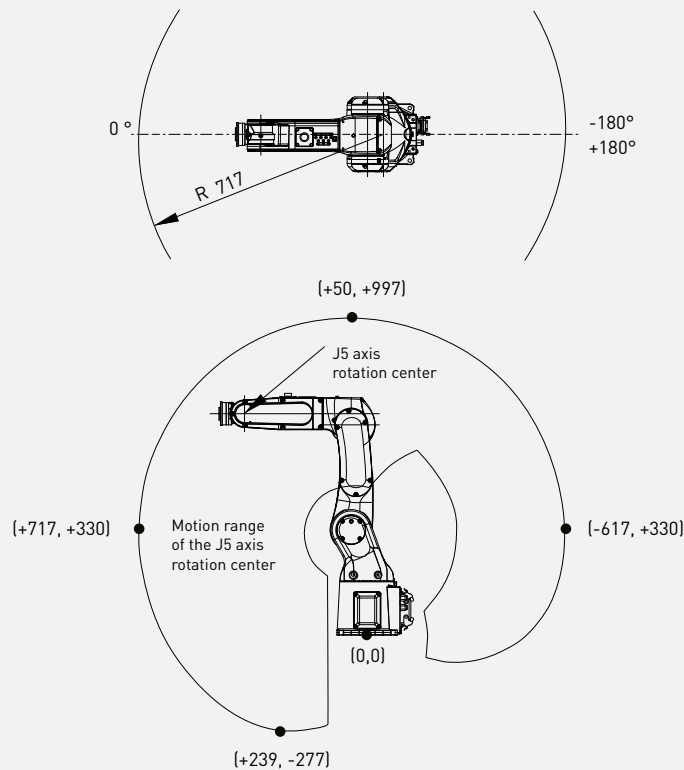
Max. load capacity
at wrist: **7 kg**



Max. Reach:
717 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment/ Inertia (Nm/kgm ²)	J5 Moment/ Inertia (Nm/kgm ²)	J6 Moment/ Inertia (Nm/kgm ²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.02	25	360	245	420	380	250	720	450	380	520	550	545	1000	16.6/0.47	16.6/0.47	9.4/0.15

Working Range



Robot

	LR Mate 200iD
Robot footprint [mm]	190 x 190
Mounting position Floor	●
Mounting position Upside down	●
Mounting position Angle	●



Controller

	30iB
Open air cabinet	○
Mate cabinet	●
A-cabinet	-
B-cabinet	-
iPendant Touch	●

Electrical connections

Voltage 50/60Hz 3phase [V]	-
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	0.5

Integrated services

Integrated signals on upper arm In/Out	6/2
Integrated air supply	1

Environment

Acoustic noise level [dB]	64.7
Ambient temperature [° C]	0-45

Protection

Body standard/optional	IP67/IP69K
Wrist & J3 arm standard/optional	IP67/IP69K
Clean room class (ISO Class 4)	-

● standard ○ on request - not available () with hardware and/or software option

LR Mate 200iD/4SH (Short arm)



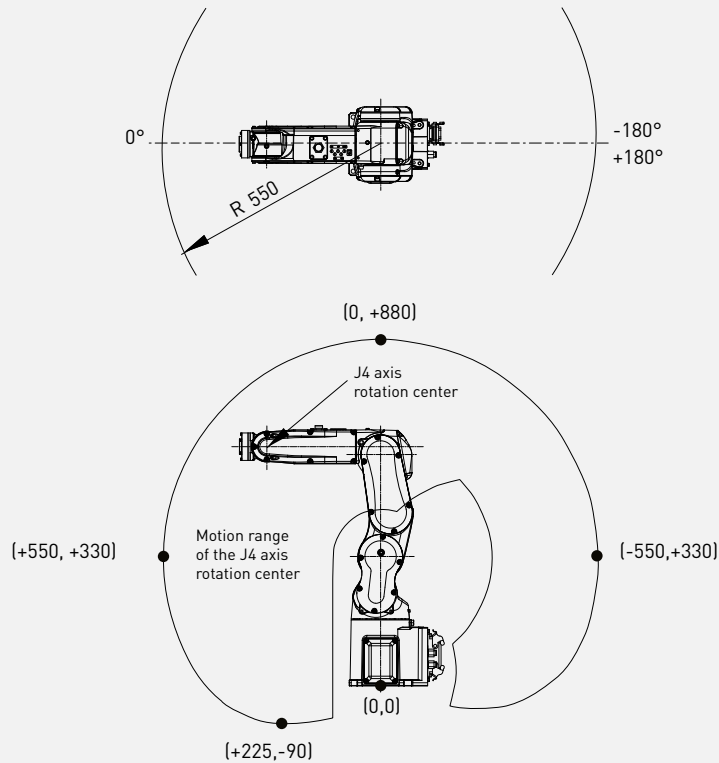
Max. load capacity
at wrist: **4 kg**



Max. Reach:
550 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment/ Inertia (Nm/kgm ²)	J5 Moment/ Inertia (Nm/kgm ²)	J6 Moment/ Inertia (Nm/kgm ²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
5	± 0.02	19	360	230	402	240	720	-	460	460	520	560	1500	-	8.86/0.2	4.0/0.046 [5.5/0.083]	-

Working Range



Robot

	LR Mate 200iD/4SH
Robot footprint [mm]	160 x 160
Mounting position Floor	●
Mounting position Upside down	●
Mounting position Angle	●



Controller

	30iB
Open air cabinet	○
Mate cabinet	●
A-cabinet	-
B-cabinet	-
iPendant Touch	●

Electrical connections

Voltage 50/60Hz 3phase [V]	-
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	0.5

Integrated services

Integrated signals on upper arm In/Out	6/2
Integrated air supply	1

Environment

Acoustic noise level [dB]	64.7
Ambient temperature [° C]	0-45

Protection

Body standard/optional	IP67
Wrist & J3 arm standard/optional	IP67
Clean room class (ISO Class 4)	-

● standard ○ on request - not available () with hardware and/or software option

LR Mate 200iD/7H



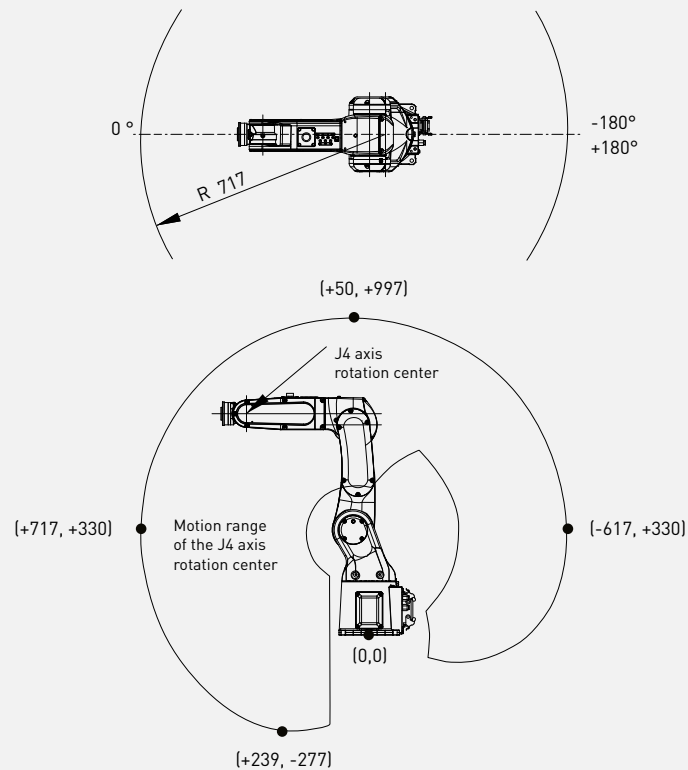
Max. load capacity
at wrist: **7 kg**



Max. Reach:
717 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment/ Inertia (Nm/kgm ²)	J5 Moment/ Inertia (Nm/kgm ²)	J6 Moment/ Inertia (Nm/kgm ²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
5	± 0.02	24	360	245	420	250	720	-	450	380	520	545	1500	-	16.6/0.47	4.0/0.046 (5.5/0.15)	-

Working Range



Robot

	LR Mate 200iD/7H
Robot footprint [mm]	190 x 190
Mounting position Floor	●
Mounting position Upside down	●
Mounting position Angle	●



Controller

	30iB
Open air cabinet	○
Mate cabinet	●
A-cabinet	-
B-cabinet	-
iPendant Touch	●

Electrical connections

Voltage 50/60Hz 3phase [V]	-
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	0.5

Integrated services

Integrated signals on upper arm In/Out	6/2
Integrated air supply	1

Environment

Acoustic noise level [dB]	64.7
Ambient temperature [° C]	0-45

Protection

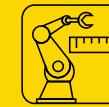
Body standard/optional	IP67/IP69K
Wrist & J3 arm standard/optional	IP67/IP69K
Clean room class (ISO Class 4)	-

● standard ○ on request - not available () with hardware and/or software option

LR Mate 200iD/7WP (Wash proof)



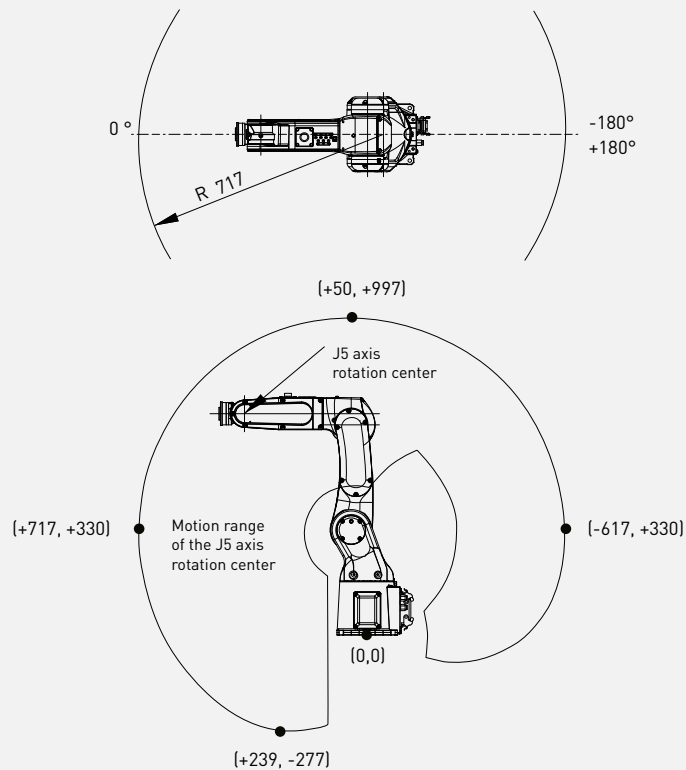
Max. load capacity
at wrist: **7 kg**



Max. Reach:
717 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range [°]						Maximum speed [°/s]						J4 Moment/ Inertia (Nm/kgm ²)	J5 Moment/ Inertia (Nm/kgm ²)	J6 Moment/ Inertia (Nm/kgm ²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.02	25	360	245	420	380	250	720	450	380	520	550	545	1000	16.6/0.47	16.6/0.47	9.4/0.15

Working Range



Robot

	LR Mate 200iD/7WP
Robot footprint [mm]	190 x 190
Mounting position Floor	●
Mounting position Upside down	●
Mounting position Angle	●



Controller

	30iB
Open air cabinet	-
Mate cabinet	●
A-cabinet	-
B-cabinet	-
iPendant Touch	●

Electrical connections

Voltage 50/60Hz 3phase [V]	-
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	0.5

Integrated services

Integrated signals on upper arm In/Out	-
Integrated air supply	1

Environment

Acoustic noise level [dB]	64.7
Ambient temperature [° C]	0-45

Protection

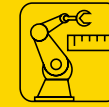
Body standard/optional	IP67/IP69K
Wrist & J3 arm standard/optional	IP67/IP69K
Clean room class (ISO Class 4)	-

● standard ○ on request - not available () with hardware and/or software option

LR Mate 200iD/7L (Long arm)



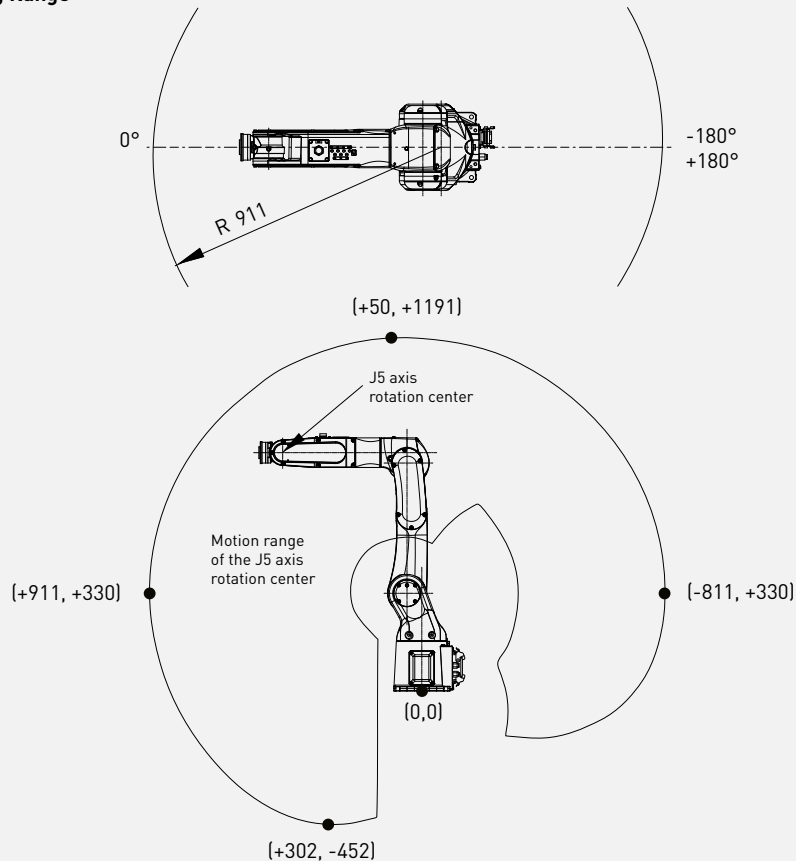
Max. load capacity
at wrist: **7 kg**



Max. Reach:
911 mm

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						J4 Moment/ Inertia (Nm/kgm ²)	J5 Moment/ Inertia (Nm/kgm ²)	J6 Moment/ Inertia (Nm/kgm ²)
			J1	J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6			
6	± 0.03	27	360	245	430	380	250	720	370	310	410	550	545	1000	16.6/0.47	16.6/0.47	9.4/0.15

Working Range



Robot

	LR Mate 200iD/7L
Robot footprint [mm]	190 x 190
Mounting position Floor	●
Mounting position Upside down	●
Mounting position Angle	●



Controller

	30iB
Open air cabinet	○
Mate cabinet	●
A-cabinet	-
B-cabinet	-
iPendant Touch	●

Electrical connections

Voltage 50/60Hz 3phase [V]	-
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	0.5

Integrated services

Integrated signals on upper arm In/Out	6/2
Integrated air supply	1

Environment

Acoustic noise level [dB]	64.7
Ambient temperature [° C]	0-45

Protection

Body standard/optional	IP67/IP69K
Wrist & J3 arm standard/optional	IP67/IP69K
Clean room class (ISO Class 4)	-

● standard ○ on request - not available () with hardware and/or software option