

ARC Mate 50iD/7L (Long arm)



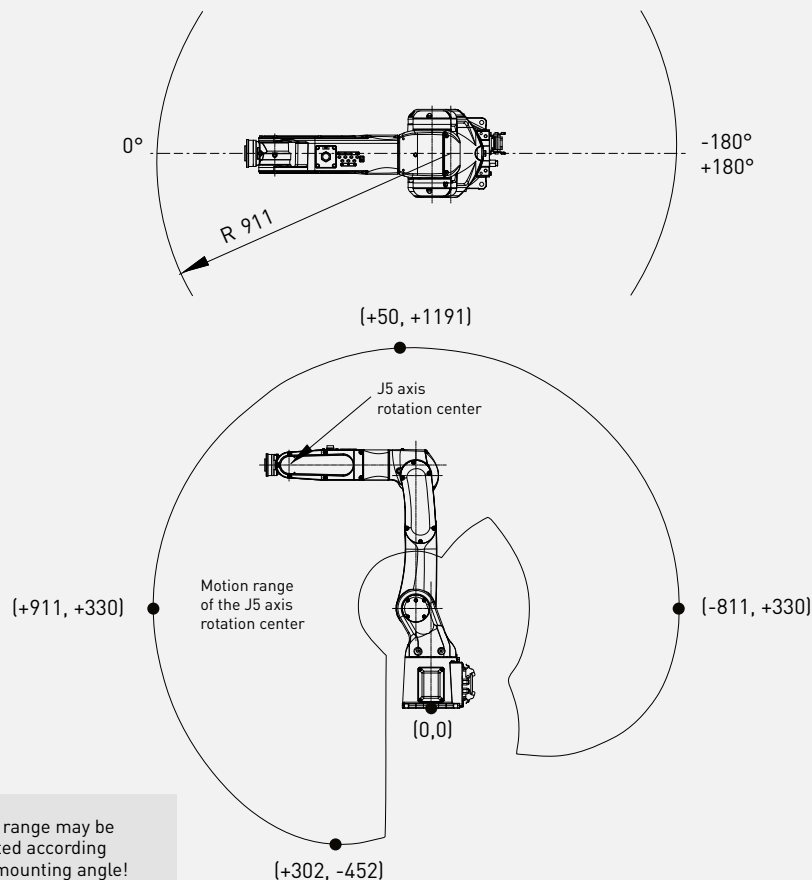
Max. load capacity
at wrist: **7 kg**



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 | ± 0.018* | 27 | 360 | 245 | 430 | 380 | 250 | 720 | 370 | 310 | 410 | 550 | 454 | 1000 | 16.6/0.47 | 16.6/0.47 | 9.4/0.15 |

Working range



Motion range may be restricted according to the mounting angle!



Robot

| | ARC Mate 50iD/7L |
|-------------------------------|------------------|
| Robot footprint [mm] | 190 x 190 |
| Mounting position Floor | ● |
| Mounting position Upside down | ● |
| Mounting position Angle | ● |



Controller

| | R30iB |
|------------------|-------|
| 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 |

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

*Based on ISO9283