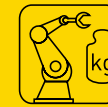
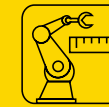


ARC Mate 120iC (Hollow wrist)



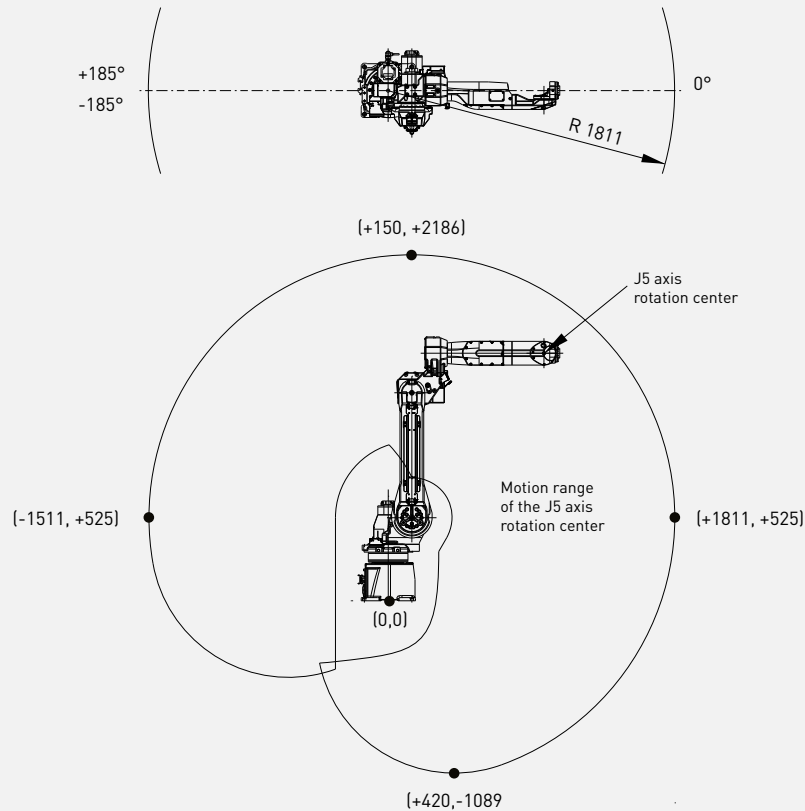
Max. load capacity
at wrist: **20 kg**



Max. Reach:
1811 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 | ± 0.08 | 250 | 370 | 260 | 458 | 400 | 360 | 900 | 195 | 175 | 180 | 360 | 360 | 550 | 7.7/0.24 | 7.7/0.24 | 0.22/0.0027 |

Working Range



Robot

| | ARC Mate 120iC |
|-------------------------------|----------------|
| Robot footprint [mm] | 343 x 343 |
| 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] | 380-575 |
| Voltage 50/60Hz 1phase [V] | - |
| Average power consumption [kW] | 1 |

Integrated services

| | |
|--|-----|
| Integrated signals on upper arm In/Out | 8/8 |
| Integrated air supply | 1 |

Environment

| | |
|---------------------------|------|
| Acoustic noise level [dB] | < 70 |
| Ambient temperature [° C] | 0-45 |

Protection

| | |
|----------------------------------|-------------|
| Body standard/optional | IP54 / IP55 |
| Wrist & J3 arm standard/optional | IP54 |

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