

M-710iC/20L (Long arm)



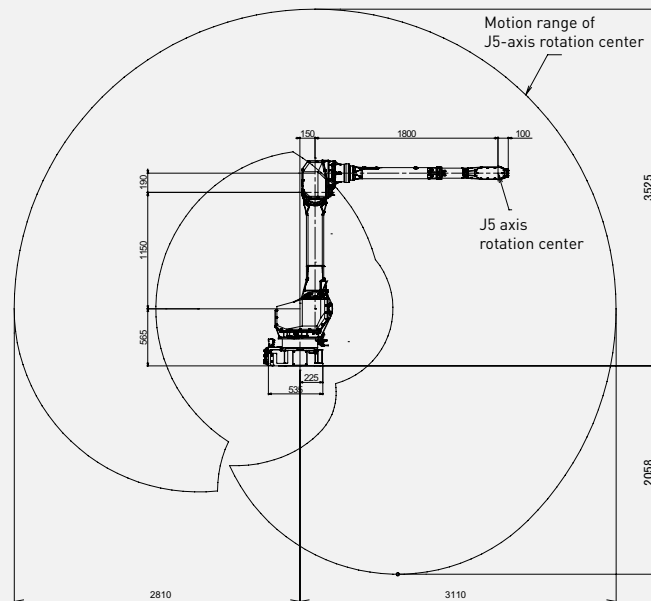
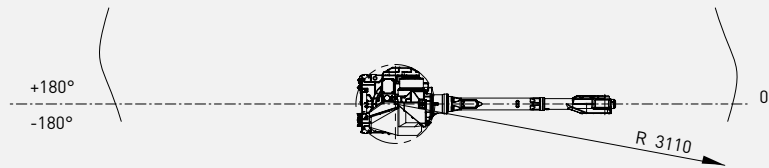
Max. load capacity
at wrist: **20 kg**



Max. reach:
3110 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 | ± 0.06* | 540 | 360 | 225 | 432 | 400 | 280 | 900 | 175 | 175 | 180 | 350 | 360 | 600 | 39.2/0.88 | 22.0/0.88 | 19.6/0.25 |

Working range



Motion range may be restricted according to the mounting angle!

Robot

| Robot | M-710iC/20L |
|-------------------------------|-------------|
| Robot footprint [mm] | 535 x 550 |
| Mounting position Floor | ● |
| Mounting position Upside down | ● |
| Mounting position Angle | ● |

Controller

| Controller | R-30iB Plus |
|------------------|-------------|
| 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] | 2.5 |

Integrated services

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

Environment

| | |
|---------------------------|------|
| Acoustic noise level [dB] | 71.3 |
| Ambient temperature [° C] | 0-45 |

Protection

| | |
|----------------------------------|-----------|
| Body standard/optional | IP54/IP67 |
| Wrist & J3 arm standard/optional | IP67 |

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

*Based on ISO9283