

M-900iB/400L (Long arm)



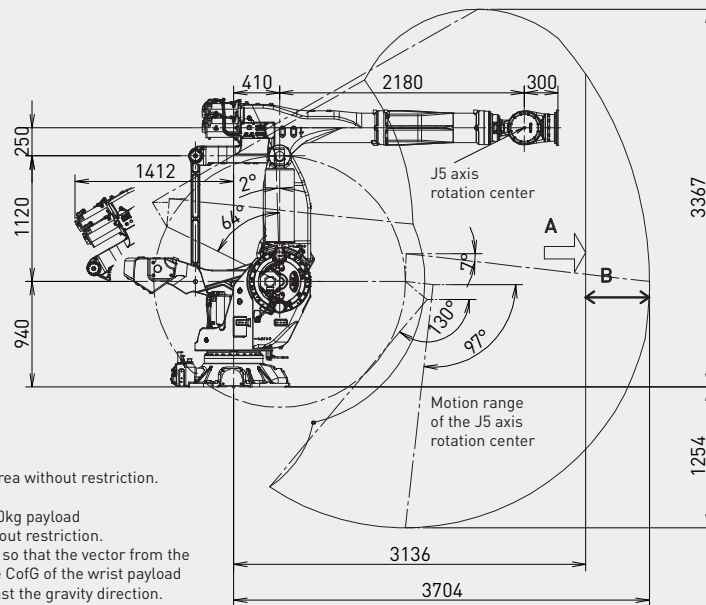
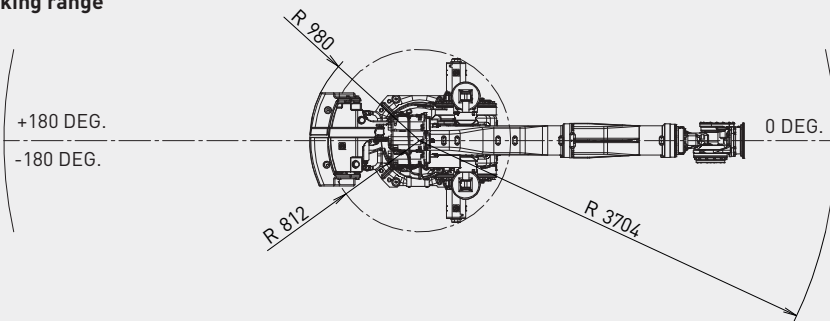
Max. load capacity
at wrist: **400 kg**



Max. reach:
3704 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 | ± 0.1* | 3150 | 360 | 154 | 160 | 720 | 244 | 720 | 80 | 80 | 80 | 100 | 100 | 160 | 2744/1098 | 2744/1098 | 1725/444 |

Working range



1. Less than 300kg payload
Robot can move all motion area without restriction.
2. From more than 300kg to 400kg payload
Area A: Robot can move without restriction.
Area B: Please use the robot so that the vector from the J5-axis rotation center to the CoG of the wrist payload is less than 30 degrees against the gravity direction.



Robot

| | M-900iB/400L |
|-------------------------------|--------------|
| Robot footprint [mm] | 1009 X 814 |
| Mounting position Floor | ● |
| Mounting position Upside down | - |
| Mounting position Angle | - |



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] | 5 |

Integrated services

| | |
|--|-----|
| Integrated signals on upper arm In/Out | 8/8 |
| Integrated air supply | 2 |

Environment

| | |
|---------------------------|------|
| Acoustic noise level [dB] | 76.3 |
| Ambient temperature [° C] | 0-45 |

Protection

| | |
|----------------------------------|-----------|
| Body standard/optional | IP54/IP56 |
| Wrist & J3 arm standard/optional | IP67 |

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

*Based on ISO9283