

# M-1000/550F-46A



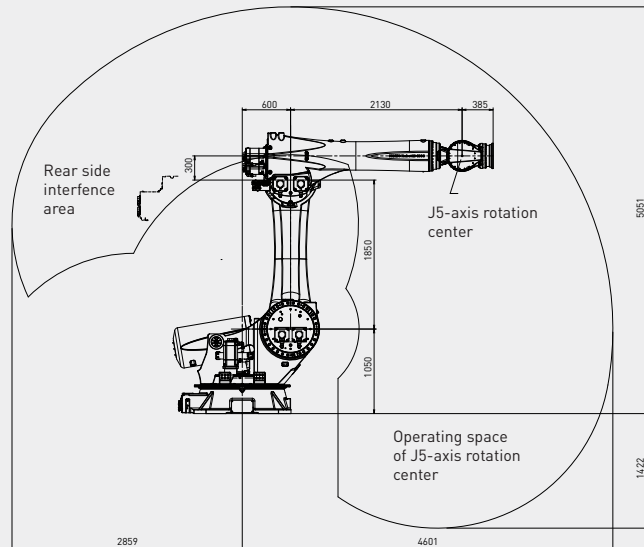
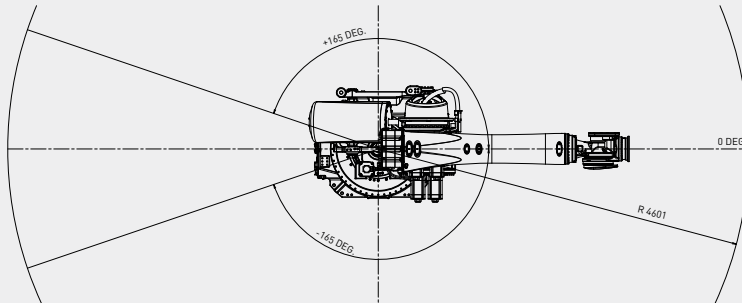
Max. load capacity  
at wrist: **550 kg**



Max. reach:  
**4601 mm**

| Controlled axes | Repeatability (mm) | Mechanical weight (kg) | Motion range [°] |     |     |     |     |     | Maximum speed [°/s] |    |    |    |    |     | J4 Moment/ Inertia (Nm/kgm <sup>2</sup> ) | J5 Moment/ Inertia (Nm/kgm <sup>2</sup> ) | J6 Moment/ Inertia (Nm/kgm <sup>2</sup> ) |
|-----------------|--------------------|------------------------|------------------|-----|-----|-----|-----|-----|---------------------|----|----|----|----|-----|-------------------------------------------|-------------------------------------------|-------------------------------------------|
|                 |                    |                        | J1               | J2  | J3  | J4  | J5  | J6  | J1                  | J2 | J3 | J4 | J5 | J6  |                                           |                                           |                                           |
| 6               | ± 0.1              | 5800                   | 360              | 145 | 330 | 720 | 240 | 720 | 75                  | 60 | 60 | 85 | 85 | 115 | 5280/1100                                 | 5280/1100                                 | 2520/750                                  |

## Working range



## Robot

## M-1000/550F-46A

|                               |             |
|-------------------------------|-------------|
| Robot footprint [mm]          | 1350 x 1210 |
| Mounting position Floor       | ●           |
| Mounting position Upside down | -           |
| Mounting position Angle       | -           |



## Controller

## R-50iA

|                |   |
|----------------|---|
| Mate cabinet   | - |
| A-cabinet      | ● |
| C-cabinet      | ○ |
| iPendant Touch | ● |

## Electrical connections

|                                |         |
|--------------------------------|---------|
| Voltage 50/60Hz 3phase [V]     | 380-575 |
| Voltage 50/60Hz 1phase [V]     | -       |
| Average power consumption [kW] | 8       |

## Integrated services

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

## Environment

|                           |      |
|---------------------------|------|
| Acoustic noise level [dB] | 72   |
| Ambient temperature [° C] | 0-45 |

## Protection

|                                  |      |
|----------------------------------|------|
| Body standard/optional           | IP54 |
| Wrist & J3 arm standard/optional | IP67 |
| Clean room (ISO Class 4)         |      |

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