

# R-1000iA/100F



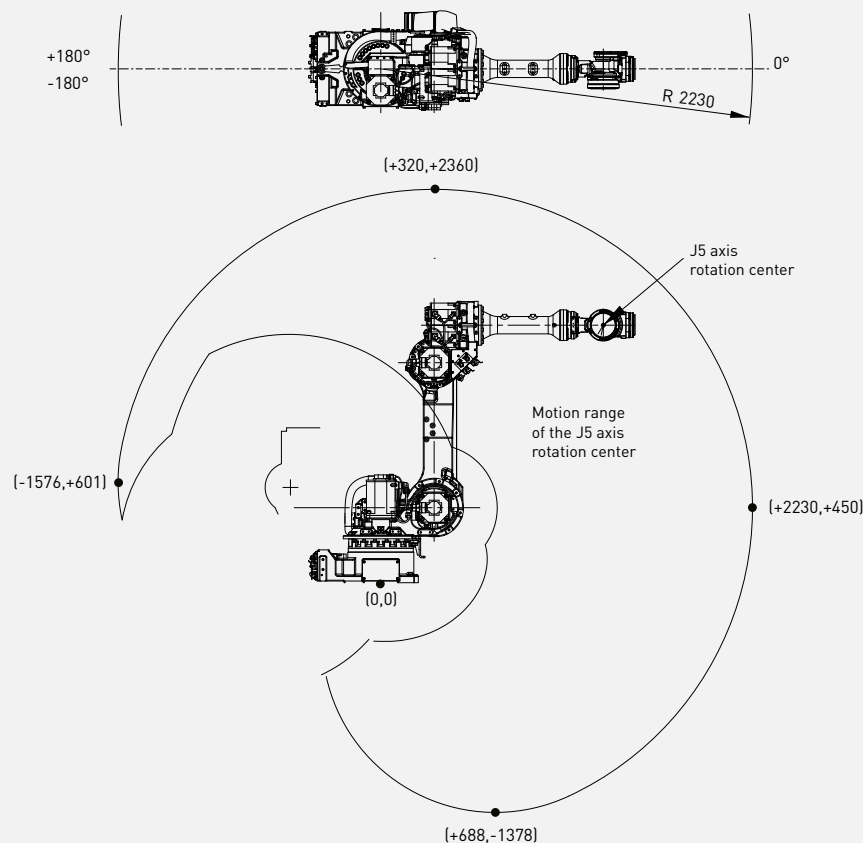
Max. load capacity  
at wrist: **100 kg**



Max. Reach:  
**2230 mm**

| Controlled axes | Repeatability (mm) | Mechanical weight (kg) | Motion range (°) |     |     |     |     |     | Maximum speed (°/s) |     |     |     |     |     | J4 Moment/ Inertia (Nm/kgm²) | J5 Moment/ Inertia (Nm/kgm²) | J6 Moment/ Inertia (Nm/kgm²) |
|-----------------|--------------------|------------------------|------------------|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|------------------------------|------------------------------|------------------------------|
|                 |                    |                        | J1               | J2  | J3  | J4  | J5  | J6  | J1                  | J2  | J3  | J4  | J5  | J6  |                              |                              |                              |
| 6               | ± 0.2              | 665                    | 360              | 245 | 360 | 720 | 250 | 720 | 130                 | 110 | 120 | 170 | 170 | 250 | 690/57                       | 690/57                       | 260/32                       |

## Working Range



## Robot

|                               | R-1000iA/100F |
|-------------------------------|---------------|
| Robot footprint [mm]          | 605 x 450     |
| 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] | 2.5     |

## Integrated services

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

## Environment

|                           |      |
|---------------------------|------|
| Acoustic noise level [dB] | < 70 |
| 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