

# R-1000iA/120F-7B



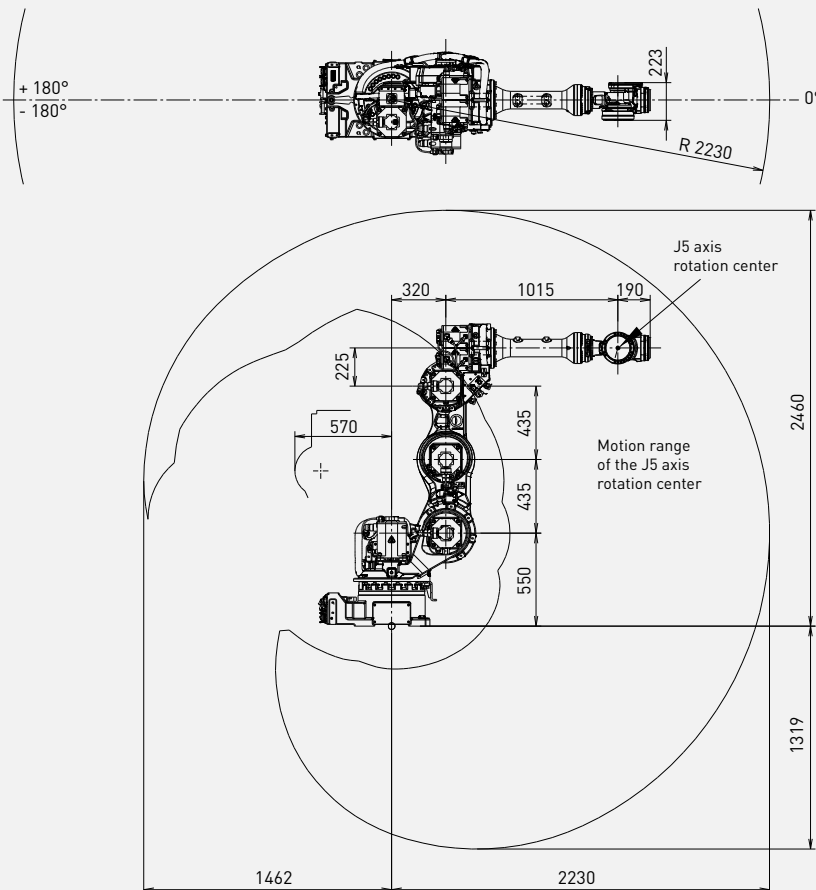
Max. load capacity  
at wrist: **120 kg**



Max. reach:  
**2230 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	E1	J1	J2	J3	J4	J5	J6	E1			
7	± 0.03*	790	360	200	385	720	250	720	225	130	110	120	170	170	250	130	800/71	800/71	360/38

## Working range



## Robot

Robot	R-1000iA/120F-7B
Robot footprint [mm]	605 X 450
Mounting position Floor	●
Mounting position Upside down	●
Mounting position Angle	-

## Controller

Controller	R30iB 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	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

\*Based on ISO9283