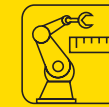


# M-10iA/8L (Long arm, Hollow wrist)



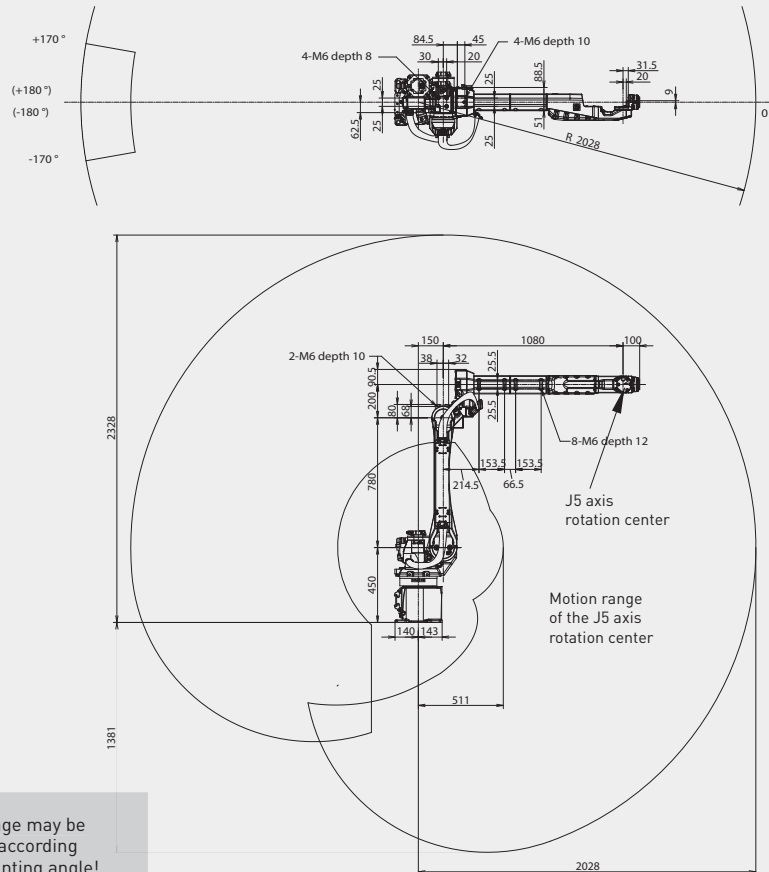
Max. load capacity  
at wrist: **3(8) kg**



Max. Reach:  
**2028 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	± 0.08	150	340(370)	255	462	400	280(360)	540(900)	200	200	210	430	430	630	7.7/0.24	7.7/0.24	0.2/0.0027

## Working Range



Motion range may be restricted according to the mounting angle!



## Robot

Robot footprint [mm]

**M-10iA/8L**

283 x 283

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]

1

## Integrated services

Integrated signals on upper arm In/Out

8/8

Integrated air supply

1

## Environment

Acoustic noise level [dB]

< 70

Ambient temperature [° C]

0-45

## Protection

Body standard/optional

IP54 / IP55

Wrist & J3 arm standard/optional

IP67

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

# M-10iA/10MS (Short arm, High inertia version)



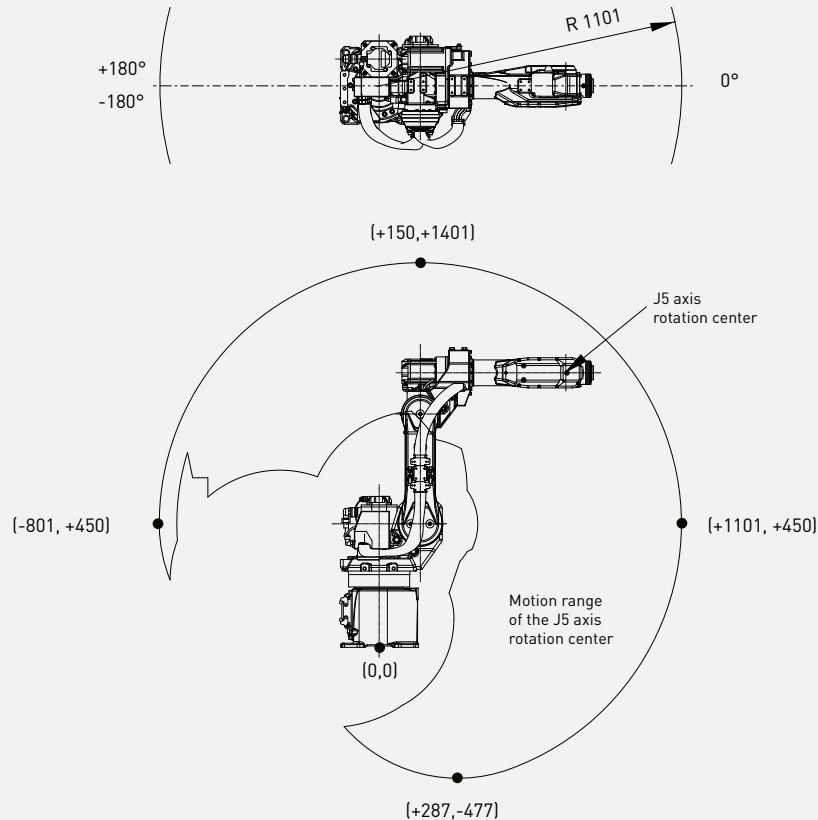
Max. load capacity at wrist: **10 kg**



Max. Reach: **1101 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	± 0.08	130	340(360)	250	441	380	280	720	260	280	315	420	420	720	26.0/0.9	26.0/0.9	11.0/0.3

## Working Range



### Robot

	M-10iA/10MS
Robot footprint [mm]	283 x 283
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]	1

### Integrated services

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

### Environment

Acoustic noise level [dB]	< 70
Ambient temperature [° C]	0-45

### Protection

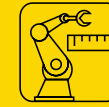
Body standard/optional	IP54 /IP55
Wrist & J3 arm standard/optional	IP67

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

# M-10iA/10M (High inertia version)



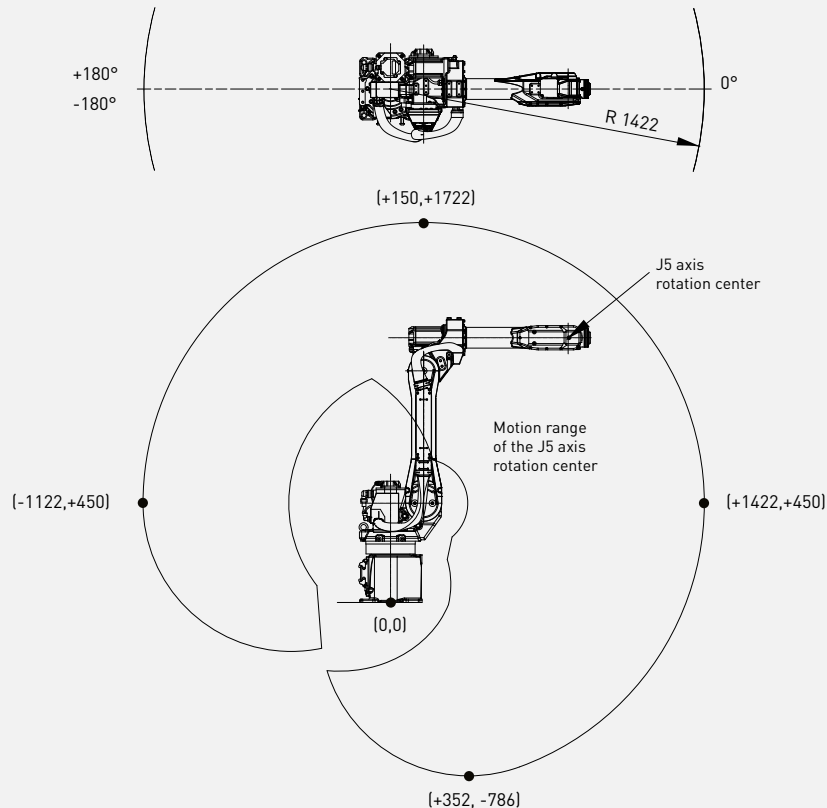
Max. load capacity  
at wrist: **10 kg**



Max. Reach:  
**1422 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	± 0.08	130	340(360)	250	445	400	280	720	225	205	225	420	420	700	26.0/0.9	26.0/0.9	11.0/0.3

## Working Range



### Robot

	M-10iA/10M
Robot footprint [mm]	283 x 283
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]	1

### Integrated services

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

### Environment

Acoustic noise level [dB]	< 70
Ambient temperature [° C]	0-45

### Protection

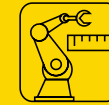
Body standard/optional	IP54 /IP55
Wrist & J3 arm standard/optional	IP67

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

# M-10iA/12S (Short arm, Hollow wrist)



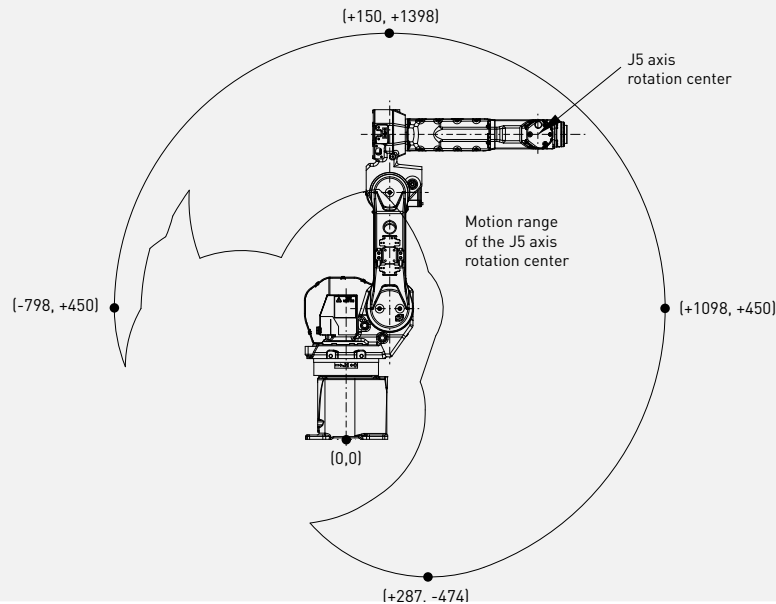
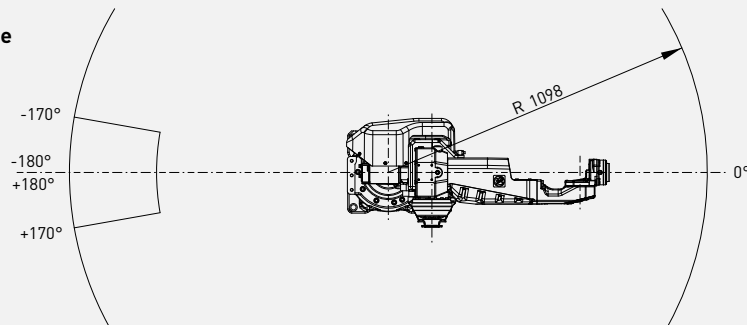
Max. load capacity  
at wrist: **12 kg**



Max. Reach:  
**1098 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	± 0.08	130	340(360)	250	340	380	380	720	260	280	315	430	430	630	22.0/0.65	22.0/0.65	9.8/0.17

## Working Range



## Robot

	<b>M-10iA/12S</b>
Robot footprint [mm]	283 x 283
Mounting position Floor	●
Mounting position Upside down	●
Mounting position Angle	●



## Controller

	<b>30iB</b>
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]	1

## Integrated services

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

## Environment

Acoustic noise level [dB]	< 70
Ambient temperature [° C]	0-45

## Protection

Body standard/optional	IP54 /IP55
Wrist & J3 arm standard/optional	IP67

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