CR-7iA/L

Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (mm/s)*1						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	± 0.01**	55	340	166	383	380	240	720	1000*2						16.6/0.47	16.6/0.47	9.4/0.15

Working range

-170DEG
-180DEG (OPTION)
0DEG
+180DEG (OPTION)
+170DEG

R.911
R.405

(+50,+1191)

235
227

80   420   50
(-165,+889)
35

(-734,+686)
+31,+684

440

(+911,+330) (+405,+330)

457
(-505,+116)

(+191,+5)
(+191,-50)

172

235
(+483,-160)   (0,0)
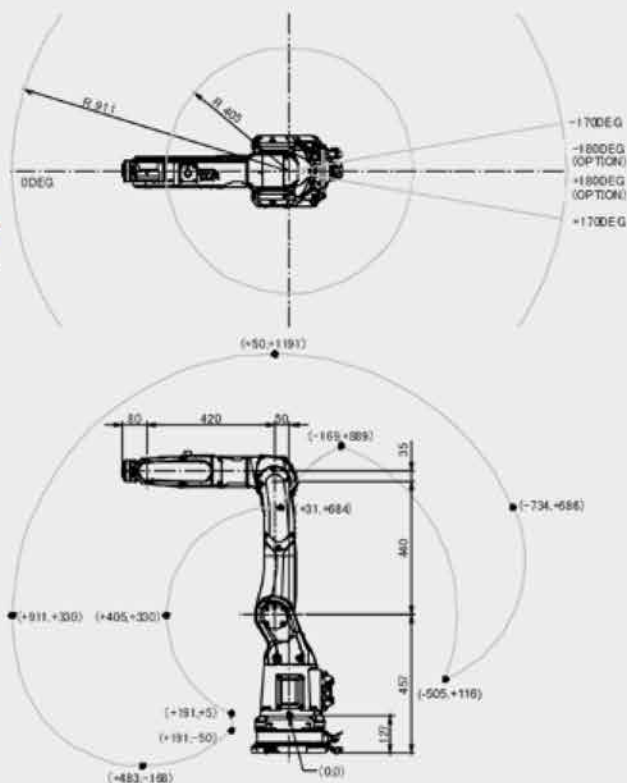
Motion range may be restricted according to the mounting angle!

MDS-00108-EN

	Robot	**CR-7iA/L**
	Robot footprint [mm]	296.5 x 235
	Mounting position Floor	●
	Mounting position Upside down	●
	Mounting position Wall *3	●
	Controller	**R-30iB Plus**
	Open air cabinet	
	Mate cabinet	●
	A-cabinet	–
	B-cabinet	–
	iPendant Touch	●

Electrical connections

Voltage 50/60Hz 3phase [V]	–
Voltage 50/60Hz 1phase [V]	200-230
Average power consumption [kW]	0.5

Integrated services

Integrated signals on upper arm In/Out	6/2
Integrated air supply	

Environment

Acoustic noise level [dB]	64.7
Ambient temperature [° C]	0-45

Protection

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

*1) In case of short distance motion, the speed may not reach the maximum value stated.
*2) It is necessary to set a motion speed according to risk assessment of system considering-pinching with the surroundings.
*3) In case of the wall mount, the operation space will be restricted according with the payload.

● standard   o on request   – not available   ( ) with hardware and/or software option

**Based on ISO9283