

THE FACTORY AUTOMATION COMPANY

**FANUC**

# Robots

Product overview



# Collaborative Series



Max. load capacity  
at wrist:  
**35 (50) kg (\*20)**



Max. reach:  
**1889 mm**

## Available robot versions:

CR-4iA	Standard model
CRX-5iA	Standard model
CR-7iA	Standard model
CR-7iA/L	Standard model
CRX-10iA	Standard model
CRX-10iA/L	Standard model
CR-14iA/L	Standard model
CR-15iA	Standard model
CRX-20iA/L	Standard model
CRX-25iA	Standard model
CR-35iB	Standard model



CR-35iB

CRX-10iA/L

Robot			Controller							Max. load capacity at wrist (kg)	Reach (mm)	Controlled axes	Repeatability (mm)	Mechanical weight (kg)	Motion range (°)						Maximum speed (°/s)						Maximum linear speed (mm/s) *10	J4 Moment/ Inertia (Nm/kgm <sup>2</sup> )	J5 Moment/ Inertia (Nm/kgm <sup>2</sup> )	J6 Moment/ Inertia (Nm/kgm <sup>2</sup> )	Average Power consumption (kW)	Protection	
Series	Version	Type	Version	Cabinet type					J1						J2	J3	J4	J5	J6	J1	J2	J3	J4	J5	J6	Body standard/ optional						Wrist & J3 arm standard/ optional	
				R-30iB Plus	Mini Plus	Compact cabinet	Open air cabinet	Mate cabinet																									A-cabinet
CR-4	iA		●	-	-	○	●	-	-	4	550	6	± 0.01**	48	340/360	150	354	380	200	720							1000 (*7)	8.86/0.2	8.86/0.2	4.9/0.067	0.5	IP67	IP67
CRX-5	iA		●	●	-	-	-	-	-	5	994	6	± 0.03**	25	400	360	635	380	360	450	150	150	180	225	225	225	1000 (*11)	19.0/0.77	15.4/0.50	6.7/0.10	0.3	IP67	IP67
CR-7	iA		●	-	-	○	●	-	-	7	717	6	± 0.01**	53	340/360	166	374	380	240	720							1000 (*7)	16.6/0.47	16.6/0.47	9.4/0.15	0.5	IP67	IP67
CR-7	iA	L	●	-	-	○	●	-	-	7	911	6	± 0.01**	55	340/360	166	383	380	240	720							1000 (*7)	16.6/0.47	16.6/0.47	9.4/0.15	0.5	IP67	IP67
CRX-10	iA		●	●	-	-	-	-	-	10	1249	6	± 0.04**	40	380	360	570	380	360	450	120	120	180	180	180	180	1000 (*11)	34.8 / 1.28	26.0 / 0.90	11.0 / 0.30	0.3	IP67	IP67
CRX-10	iA	L	●	●	-	-	-	-	-	10	1418	6	± 0.04**	40	360	360	540	380	360	450	120	120	180	180	180	180	1000 (*11)	34.8 / 1.28	26.0 / 0.90	11.0 / 0.30	0.3	IP67	IP67
CR-14	iA	L	●	-	-	-	●	-	-	14	911 (*9)	6	± 0.01**	55	340/360	166	383	380	240	720						500	31.0/0.66	31.0/0.66	13.4/0.30	0.5	IP67	IP67	
CR-15	iA		●	-	-	-	-	●	-	15	1441	6	± 0.02**	255	340	180	312	380	280	900						800/1500 (*8)	26.0/0.90	26.0/0.90	11.0/0.30	1	IP54	IP67	
CRX-20	iA	L	●	●	-	-	-	-	-	20	1418	6	± 0.04**	41	360	360	540	380	360	450	80	80	120	112	90	112	1000	70.0/4.00	64.0/4.00	30.0/2.00	0.4	IP67	IP67
CRX-25	iA		●	●	-	-	-	-	-	25/30 (*20)	1889	6	± 0.05**	135	360	360	540	380	360	450	80	80	120	180	180	180	1000 (*11)	100.0/4.70	74.0/4.00	32.0/2.00	0.4	IP67	IP67
CR-35	iB		●	-	-	-	-	●	○	35/50 (*20)	1831	6	± 0.03**	375	370	215	338	400	280	900						750 (*7)	110/4	110/4	60.0/1.5	1	IP54	IP67	

● standard ○ on request - not available \*7) It is necessary to set a motion speed according to risk assessment of system considering pinching with the surroundings. \*8) max. cartesian speed 800mm/s (1500mm/sec when safety monitored) \*9) 911 mm (load capacity < 12kg) - 820 mm (load capacity ≥ 12kg) \*10) During short distance motions, the speed may not reach the maximum value stated \*11) 2000 mm/s in high speed mode \*20) Software update \*\* Based on ISO9283



# COBOT

CR

CRX

## ROBOT SERIES

Version		iA				iB	iA					
Type		4	7	7L	14L	15	35	5	10	10L	20L	25
CONTROLLER	Controller Version	R-30/iB Plus										
	Mini Plus	-	-	-	-	-	-	•	•	•	•	•
	Compact	-	-	-	-	-	-	-	-	-	-	-
	Open Air Cabinet	○	○	○	-	-	-	-	-	-	-	-
	Mate Cabinet	•	•	•	•	-	-	-	-	-	-	-
	A-Cabinet	-	-	-	-	•	•	-	-	-	-	-
B-Cabinet	-	-	-	-	-	○	-	-	-	-	-	
Max Load Capacity at wrist (kg)		4	7	7	14	15	35 [50] <sup>[*20]</sup>	5	10	10	20	25 [30] <sup>[*20]</sup>
Reach (mm)		550	717	911	911 <sup>[*9]</sup>	1441	1831	994	1249	1418	1418	1889
Controlled axes		6	6	6	6	6	6	6	6	6	6	6
Repeatability (mm)		± 0.01**	± 0.01**	± 0.01**	± 0.01**	± 0.02**	± 0.03**	± 0.03**	± 0.04**	± 0.04**	± 0.04**	± 0.05**
Mechanical weight (kg)		48	53	55	55	255	375	25	40	40	41	135
MOTION RANGE [°]	J1	340/360	340/360	340/360	340/360	340	370	400	380	360	360	360
	J2	150	166	166	166	180	215	360	360	360	360	360
	J3	354	374	383	383	312	338	635	570	540	540	540
	J4	380	380	380	380	380	400	380	380	380	380	380
	J5	200	240	240	240	280	280	360	360	360	360	360
	J6	720	720	720	720	900	900	450	450	450	450	450
MAXIMUM SPEED [°/S]	J1						750 <sup>[*7]</sup>	150	120	120	80	80
	J2						750 <sup>[*7]</sup>	150	120	120	80	80
	J3						750 <sup>[*7]</sup>	180	180	180	120	120
	J4						750 <sup>[*7]</sup>	225	180	180	112	180
	J5						750 <sup>[*7]</sup>	225	180	180	90	180
	J6						750 <sup>[*7]</sup>	225	180	180	112	180
Maximum linear speed (mm/sec) <sup>[*10]</sup>		1000 <sup>[*7]</sup>	1000 <sup>[*7]</sup>	1000 <sup>[*7]</sup>	500	800/1500 <sup>[*8]</sup>	750	1000 <sup>[*11]</sup>	1000 <sup>[*11]</sup>	1000 <sup>[*11]</sup>	1000	1000 <sup>[*11]</sup>
J4 Moment/Inertia (Nm/kgm <sup>2</sup> )		8.86/0.02	16.6/0.47	16.6/0.47	31.0/0.66	26.0/0.90	110/4	19/0.77	34.8 / 1.28	34.8 / 1.28	70/4	100/4.70
J5 Moment/Inertia (Nm/kgm <sup>2</sup> )		8.86/0.02	16.6/0.47	16.6/0.47	31.0/0.66	26.0/0.90	110/4	15.4/0.50	26.0 / 0.90	26.0 / 0.90	64/4	74/4
J6 Moment/Inertia (Nm/kgm <sup>2</sup> )		4.9/0.067	9.4/0.15	9.4/0.15	13.4/0.30	11.0/0.30	60.0/1.5	6.7/0.10	11.0 / 0.30	11.0 / 0.30	30/2	32/2
Average power consumption [Kw]		0.5	0.5	0.5	0.5	1	1	0.3	0.3	0.3	0.4	0.4
PROTECTION	Body Standard/optional	IP67	IP67	IP67	IP67	IP54	IP54	IP67	IP67	IP67	IP67	IP67
	Wrist and J3 Arm Standard/optional	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67