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ABB ROBOTICS





















## Robotics product range





















Creating the flexible, collaborative and connected Factory of the Future













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**ABB Robotics is a pioneer in industrial and collaborative robots and advanced digital services. As one of the world's leading robotics suppliers, we are active in 53 countries and over 100 locations and have shipped over 400,000 robot solutions in a diverse range of industries and applications. We help our customers to improve flexibility, efficiency, safety and reliability, while moving towards the connected and collaborative factory of the future.**

Articulated robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
IRB 1100 	4 4	0.475 0.58	0.01	Any angle	IP40 Option: Clean Room ISO 4, IP67	6	OmniCore™	 Cicca qui
IRB 120 	3	0.58	0.01	Any angle	Std: IP30 Option: Clean Room ISO 5, Food Grade	6	IRC5	 Cicca qui
IRB 1200 	5 7	0.90 0.70	0.02 0.025	Any angle	Std: IP40. Option: Foundry Plus 2, IP67, Clean Room ISO 3, Food Grade	6	IRC5	 Cicca qui
IRB 140 - IRB 140T 	6	0.80	0.03	Floor, wall, inverted, tilted	Std: IP67. Option: Foundry Plus 2, Clean Room ISO 6, SteamWash	6	IRC5	 Cicca qui
IRB 1410 	5	1.44	0.02	Floor		6	IRC5	 Cicca qui
IRB 1520ID 	4	1.50	0.05	Floor, inverted	Std: IP40	6	IRC5	 Cicca qui
IRB 1600 	6 10	1.20/1.45 1.20/ 1.45	0.02 - 0.05	Floor, wall, inverted, tilted, shelf	Std: IP54 Option: Foundry Plus 2 with IP67	6	IRC5	 Cicca qui
IRB 1660ID 	4 6	1.55	0.02	Floor, wall, inverted, tilted	Std: IP40	6	IRC5	 Cicca qui
IRB 2400 	12 20	1.55	0.03	Floor, inverted	Std: IP54 Option: Foundry Plus 2 with IP67	6	IRC5	 Cicca qui
IRB 2600 	12/12 20	1.65/1.85 1.65	0.04	Floor, wall, inverted, titled, shelf	Std: IP67, IP54 (axis 4) Option: Foundry Plus 2	6	IRC5	 Cicca qui





Articulated robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
IRB 2600ID 	15 8	1.85 2.00	0.02 - 0.03	Floor, wall, shelf, titled, inverted	Std: IP67 for base and lower arm. IP54 for upper arm	6	IRC5	 Cicca qui
IRB 4400 - IRB 4400L 	60 10	1.96 2.55	0.06 0.05	Floor	Std: IP54 Option: IP67, Foundry Plus 2	6	IRC5	 Cicca qui
IRB 460 	110	2.40	0.20	Floor	Std: IP67	4	IRC5	 Cicca qui
IRB 4600 	20/40/ 45/60	2.5/2.55/ 2.05/2.05	0.05 - 0.06	Floor, inverted, tilted, shelf	Std: IP67 Option: Foundry Plus 2, Foundry Prime 2	6	IRC5	 Cicca qui
IRB 660 	180 250	3.15	0.05	Floor	Std: IP67	4	IRC5	 Cicca qui
IRB 6620 	150	2.20	0.05	Floor, tilted, inverted	Std: IP54 Option: Foundry Plus 2 with IP67	6	IRC5	 Cicca qui
IRB 6620LX 	150	1.90	0.05	Inverted, side	Std: IP54 Option: Foundry Plus 2 with IP67	6	IRC5	 Cicca qui
IRB 6650S* 	90 125 200	3.90 3.50* 3.00*	0.15	Shelf	Std: IP67, Option: Foundry Plus 2. High pressure steam washable	6	IRC5	 Cicca qui
IRB 6660 	100 130 205	3.30 3.10 1.90	0.10 - 0.15	Floor	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Cicca qui
IRB 6700* 	150/155/175 200/205/235 245/300	3.20/2.85/3.05 2.60/2.80/2.65 3.00/2.70	0.05 - 0.10	Floor	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Cicca qui

Articulated robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
IRB 6700INV* 	245 300	2.90 2.60	0.10 0.05	Inverted	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Cicca qui
IRB 6790 	205 235	2.80 2.65	0.05	Floor	Std: IP69 Option: Foundry Prime 3	6	IRC5	 Cicca qui
IRB 760 	450	3.18	0.05	Floor	Std: IP67	4	IRC5	 Cicca qui
IRB 7600 	150/325/ 340/400/ 500	3.50/3.10*/ 2.80*/2.55*/ 2.55	0.10 - 0.30	Floor	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Cicca qui
IRB 8700 	550 800	4.20 3.50	0.05 - 0.10	Floor	Std: IP67 Option: Foundry Plus 2	6	IRC5	 Cicca qui



\*Available with LeanID



YuMi® family	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
IRB 14000* 	0.50	0.559	0.02	Table	Std: IP30 and Clean Room ISO 5	14	Embedded IRC5	 Cicca qui
IRB 14050** 	0.50	0.559	0.02	Any angle	Std: IP30 and Clean Room ISO 5	7	OmniCore™	 Cicca qui

\*Safety: PL b Cat B | \*\*Estop and PStop: PL d Cat 3 Option: SafeMove2



SCARA robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
IRB 910SC* 	3 (max 6)	0.45 0.55 0.65	0.01	Table	Std: IP20	4		 Cicca qui
IRB 910INV 	1 (max 3) 3 (max 6)	0.35 0.55	0.01 0.015	Inverted	Std: IP30. Option: Clean Room ISO 5, IP54	4	OmniCore™	 Cicca qui



\*IRC5


Parallel robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
	1	1.13/1.60	0.03 - 0.09	Inverted	Std: IP54/67/69K Option: Clean Room, Wash-Down, Stainless	4	IRC5	 Cicca qui
	3	1.13						
	6	1.60						
	8	1.13						



Paint robots	Payload (kg)	Reach (m)	Pos. rep. (mm)	Mounting	Protection	Axes	Controller	Remark
	7	1.20/1.45	0.15	Floor, wall, inverted, tilted	Std: IP67, Ex	6	IRC5P	 Cicca qui



	13	2.97	0.15	Floor, wall, inverted, tilted	Std: IP67, Ex	6	IRC5P	 Cicca qui
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	13	2.97 Rail travel length: 2-15	0.15	Clean-wall rail	Std: IP67, Ex	7	IRC5P	 Cicca qui
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	13	2.97 Rail travel length: 2-15	0.15	Elevated, Robot: tilted, upright and inverted	Std: IP67, Ex	7	IRC5P	 Cicca qui
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	13	2.97	0.15	Wall, floor, inverted	Std: IP67, Ex	7	IRC5P	 Cicca qui
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	13	2.56	0.15	Floor	Std: IP67, Ex	6	IRC5P	 Cicca qui
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	7	1.35 Rail travel length: 3-10	0.15	Floor, rail	Std: IP67, Ex	3/4	IRC5P	 Cicca qui
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Compliant with ISO 9283.

#### Track Motions

	 Cicca qui		 Cicca qui		 Cicca qui
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