


The FANUC logo is displayed in red capital letters on a yellow rectangular background in the top right corner.

FANUC

A green FANUC CR-35iA collaborative robot arm is shown on the left side of the image, mounted on a black base. The robot has a soft, rounded green cover and is positioned in a clean, industrial setting.

MY NAME IS CR-35*i*A

Features

FANUC Robot CR-35iA is a 35 kg payload collaborative robot that can work without safety fences.

Collaborative Operation

- This robot and a human operator can work together within a shared workspace without safety fences.
- This robot can work in cooperation with a human operator.
(example: heavy workpiece transfer, parts assembling)

Safety Function

- This robot stops safely when it touches a human operator.
- Safe and gentle looking green soft cover reduces an impact force and prevents a human operator from being pinched.
- CR-35iA is certified to meet the requirements of international standard ISO 10218-1.

Intelligence and High Reliability

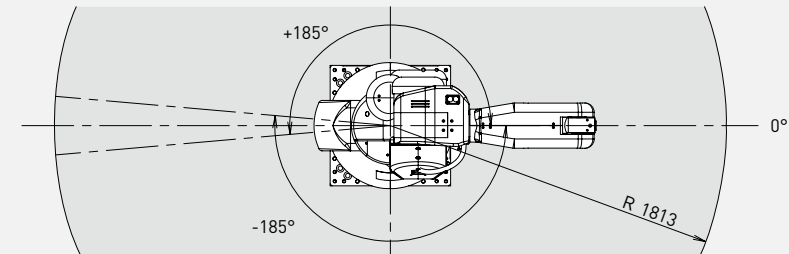
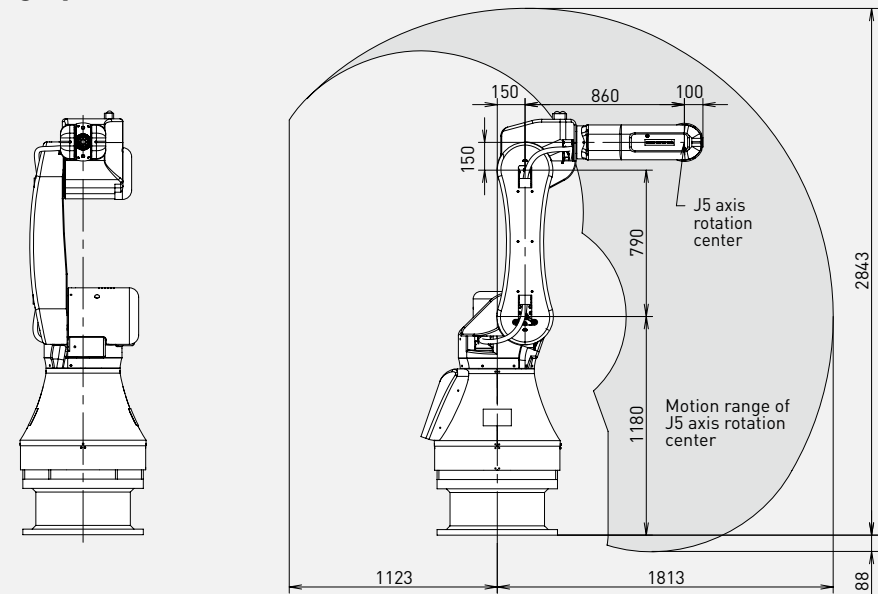
- Latest intelligent functions such as iRVision (Integrated vision) are available.
- This robot is designed with the same high reliability as conventional robots.

CR-35iA Specifications	
Type: Articulated	•
Controlled axes	6 (J1, J2, J3, J4, J5, J6)
Reach [mm]	1813
Installation: Floor	•
Motion range	
J1 axis rotation [°/rad]	370° / 6.46
J1 axis rotation [Option] [°/rad]	340° / 5.93
J2 axis rotation [°/rad]	165° / 2.88
J3 axis rotation [°/rad]	258° / 4.50
J4 axis wrist rotation [°/rad]	400° / 6.98
J5 axis wrist swing [°/rad]	220° / 3.84
J6 axis wrist rotation [°/rad]	900° / 15.71
Max. load capacity at wrist [kg]	35
Max. load capacity on J3 casing [kg]	2
Maximum speed [mm/s] *1)	250 / 750 *2)
Allowable load moment at wrist	
J4 axis [Nm]	110
J5 axis [Nm]	110
J6 axis [Nm]	60
Allowable load inertia at wrist	
J4 axis [kgm ²]	4.00
J5 axis [kgm ²]	4.00
J6 axis [kgm ²]	1.50
Drive method: Electric servo drive by AC servo motor	•
Repeatability [mm]	±0.08
Mass [kg] *3)	990
Installation environment	
Ambient temperature [°C]	0 – 45
Ambient humidity – Normally (No dew nor frost allowed) [%RH]	75 *4)
Ambient humidity – Short term (within one month) [%RH]	95 *4)

*1) In case of short distance motion, the speed may not reach the maximum value stated.
*2) If the area is monitored by a safety sensor (located separately).
*3) Without controller.
*4) or less

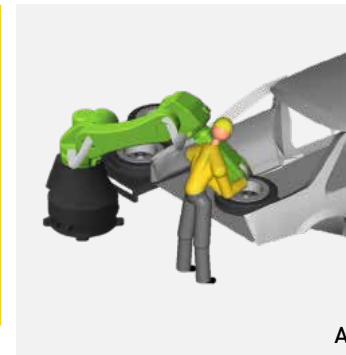
• standard

Operating space

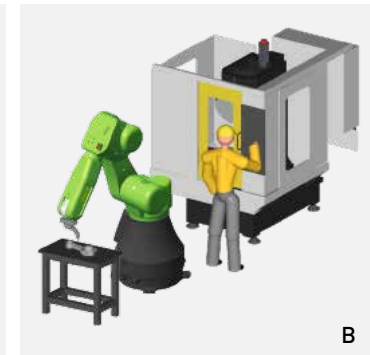


Application Example

- A: Wheel Loading to Automobile
- B: Workpiece Loading to Machine



A



B