

nFA-RA07/09A-08 /07

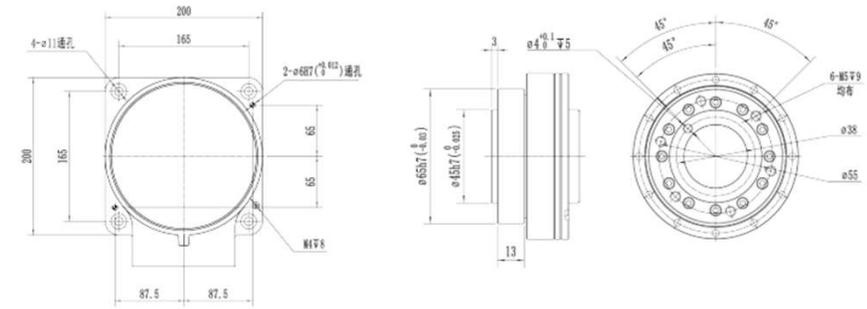
FUNCTIONAL FEATURES

- Adopt modular design to effectively reduce the failure rate of the whole machine.
- Well-knit design makes the robot more convenient in small space.
- The arm span is 712/916mm. It has strong payload capacity, and rated payload 7 Kg/6 kg. It is easily applied in multi application.
- Lighter structure design than other same level product, so it is easy to install inside a system or to mount upside -down
- High rigidity arm and top level servo control technology guarantee the smoothness and stability while the movement.
- Built-in cable and external cable fixing base to meet customization requirements.
- Adopt leak-proof structure
- High expansibility, multiple user bracket installation platforms are set on the robot body, which is convenient for users to fix cables and related auxiliary tools.

Arm form	Vertical multiple joints	
Degree of freedom	6 axis	
Maximum payload	8kg	7kg
Repeated positioning accuracy	±0.02mm	±0.03mm
Maximum reaching distance	712mm	916mm
Robot body weight	44KG	46KG
Installation mode	Ground, upside down mounting	
Maximum travel	axis 1	-170°-170°
	axis 2	-44°-188° -42°-120°
	axis 3	-62°-180°
	axis 4	-185°-185°
	axis 5	-120°-125°
	axis 6	-360°-360°
Maximum speed	axis 1	400°/S 255°/S
	axis 2	340°/S 290°/S
	axis 3	370°/S 330°/S
	axis 4	535°/S 490°/S
	axis 5	411°/S 410°/S
	axis 6	698°/S 680°/S
Allowable torque	axis 4	16.2N.m
	axis 5	16.2N.m
	axis 6	9.5N.m
Allowable moment of inertia	axis 4	0.38kg.m ²
	axis 5	0.38kg.m ²
	axis 6	0.16kg.m ²
Noise level		<75dB(A)*
Installation environment	ambient temperature	0-45°C
	relative humidity	20-85%(No condensation)
	vibration	Under 0.5 G
	Others	Robot installation must be away from: Flammable or corrosive liquids or gases, electrical sources of interference
IP level	Body IP54, wrist IP65	
Advantage features	Compact structure, high speed, high precision, high expansibility and easy operation	
Application	welding cutting, assembly, handling, marking, grinding	
Electric Cabinet Configuration	C11B	



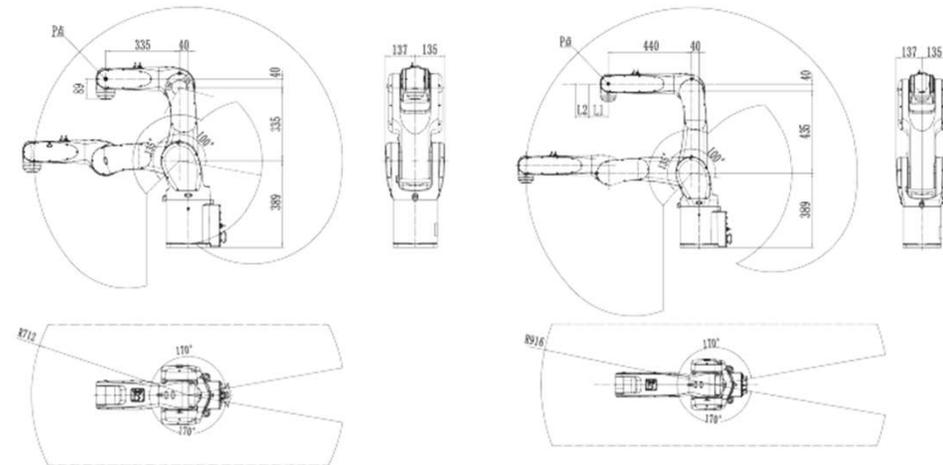
INSTALLATION INTERFACE DIAGRAM



Installation Dimension of Base

Flange Dimensions

MOTION RANGE DIAGRAM



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