

ROKAE

# Industrial Robot Series

## NB12 Series

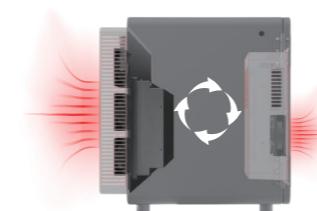


More intelligent, more efficient

# Product Advantages

## Brand New Design, Stronger Protection

- The NB12 series features an all-cast aluminum body that is about 20% lighter than the products in its class. Its body with an IP67 high protection rating and the controller cabinet with an IP54 protection rating that features dual-cycle heat dissipation provide adequate protection against even the most demanding environments.



## Compact Design, Easy Deployment

- The NB12 series features a built-in motor and cables for a more compact design. The base installation dimension as small as 250×250 mm is 47% smaller than products of the same class, facilitating flexible deployment even in limited spaces for enhanced installation convenience.

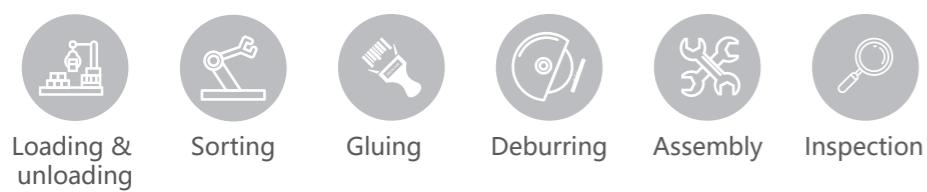
## Higher Payload, Flexible Choices

- The NB12 series contains three specifications with a broader working range and higher loading capacity that empowers immense possibilities in all kinds of working scenarios.

## High Precision & High Speed, Efficient Production

- Increased by 20%, the working speed of the NB12 series enables rapid production and excellent capacity improvement.

# Applications

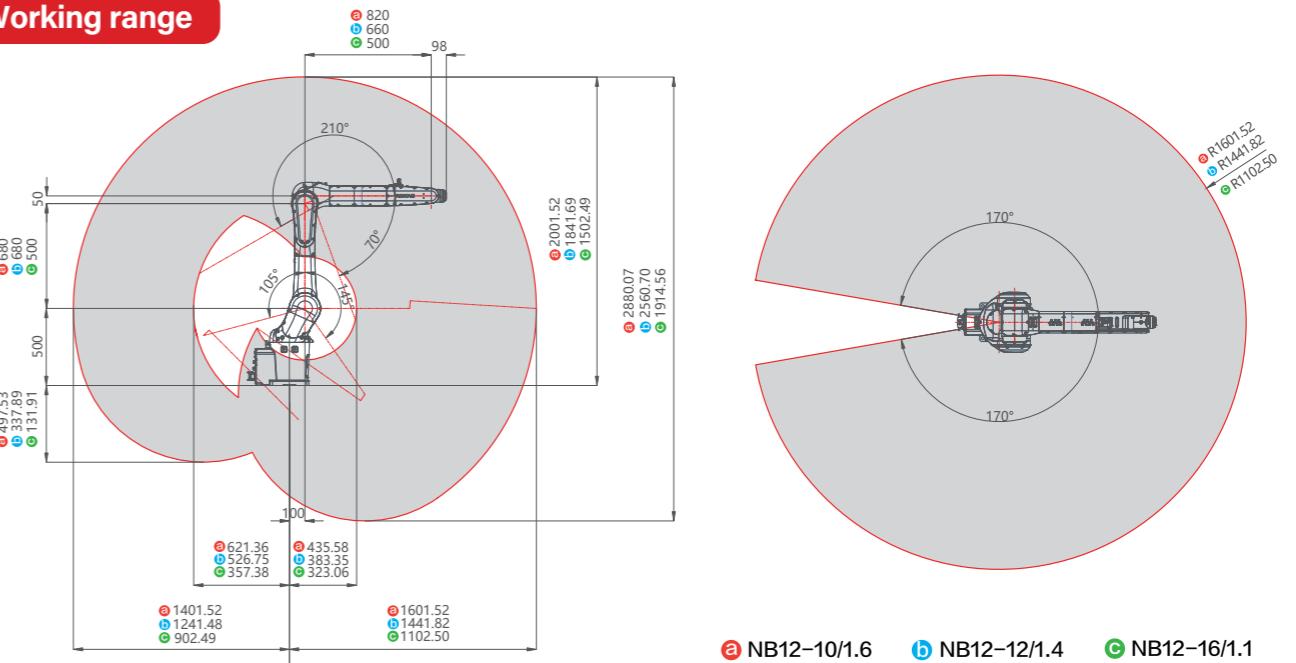


# Specifications

## Body Specifications

Model	NB12-10/1.6	NB12-12/1.4	NB12-16/1.1
DOF		6	
Reach	1,602 mm	1,442 mm	1,102 mm
Repeatability		±0.03 mm	
Payload	10 kg	12 kg	16 kg
Range of motion	Axis 1	+170° to -170°	
	Axis 2	+145° to -105°	
	Axis 3	+70° to -210°	
	Axis 4	+200° to -200°	
	Axis 5	+135° to -135°	
	Axis 6	+360° to -360°	
Maximum speed	Axis 1	245°/s	
	Axis 2	245°/s	
	Axis 3	290°/s	
	Axis 4	435°/s	
	Axis 5	450°/s	
	Axis 6	705°/s	
Operating temperature		0°C to +45°C	
Storage temperature		-10°C to +55°C	
IP rating		IP67	
Mounting method		Floor, Ceiling	
Noise level		≤75dB(A)	
Weight	About 117 kg	About 115 kg	About 112 kg
AIR		1-Φ8+2-Φ6, 8bar	
Signal		24 channels (30V, 0.5A)	

## Working range



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