

ROKAE

Industrial Robot Series

NB12 Series

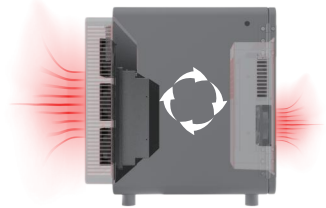


More intelligent, more efficient

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



Loading & unloading



Sorting



Gluing



Deburring



Assembly



Inspection

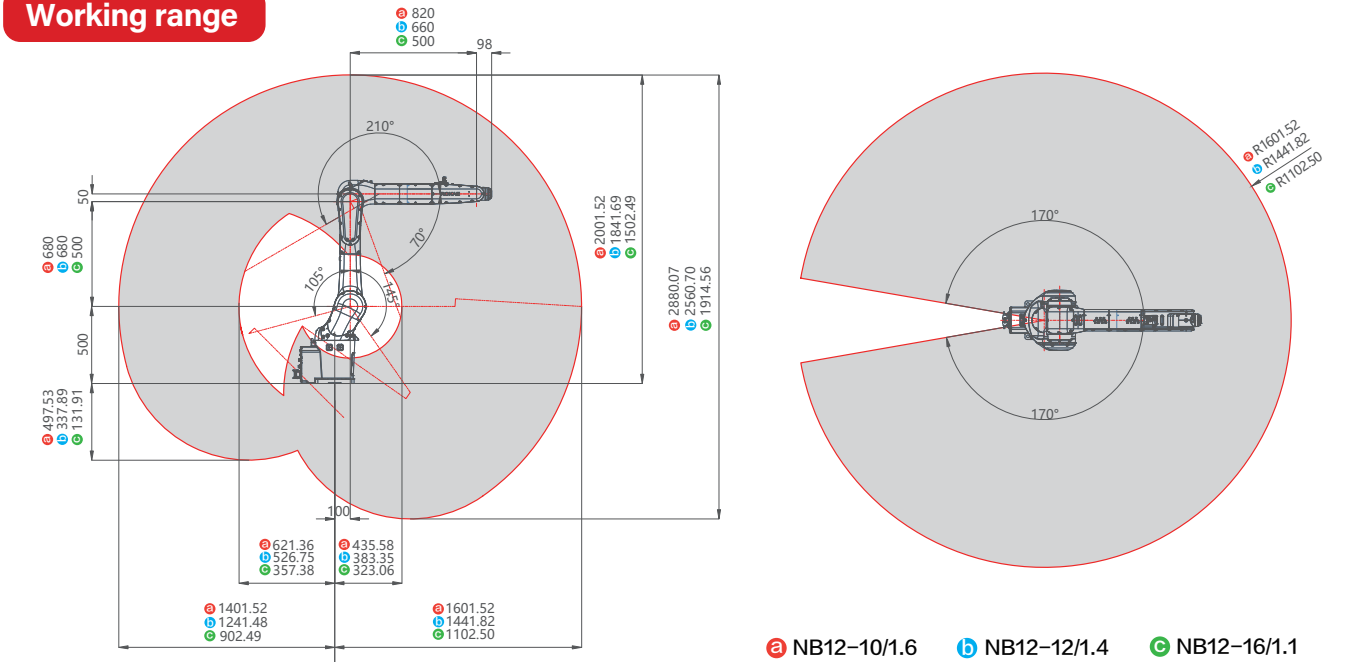


Specifications

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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