

Load capacity 2kg rated/10kg maximum

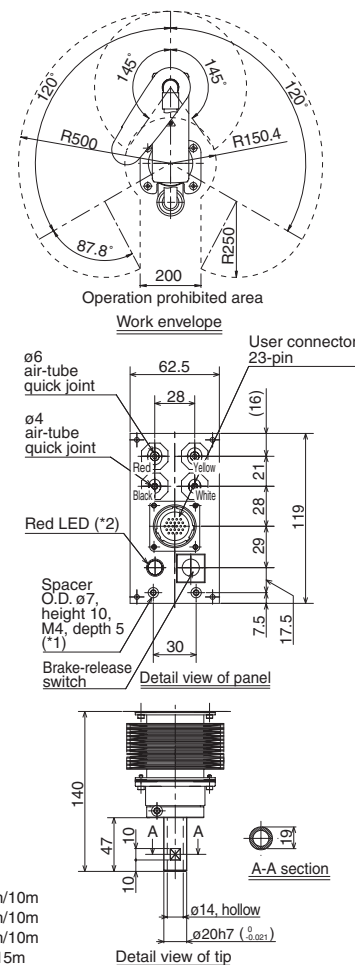
* The above model code represents a combination of robot and controller.

Model	Axis configuration		Arm length (mm)	Motor capacity (W)	Work envelope	Positioning repeatability (mm) (Note 1)	Maximum operating speed (Note 2)	Standard cycle time (sec) (Note 3)	Load capacity (kg)		Axis 3 push force (N)		Axis 4 allowable load	
									Rated	Maximum	Push action (Note 4)	Maximum thrust (Note 4)	Allowable inertial moment (kg·m ²) (Note 5)	Allowable torque (N·m)
IX-NNW5020-5L-KX-□-□-□-2 [IX-NNW5030-5L-KX-□-□-□-2]	Axis 1	Arm 1	250	400	±120°	±0.010	6283mm/s (Composite speed)	0.49	2	10	108	152	0.06	3.3
	Axis 2	Arm 2	250	200	±145°									
	Axis 3	Vertical axis	—	200	200mm [300mm]	±0.010	1393mm/s							
	Axis 4	Rotating axis	—	100	±360°	±0.005	1200°/s							

Ambient temperature/humidity	Temperature: 0~40° C, humidity: 20~85%RH or below (non-condensing)
Robot weight	32.5kg
Cable length (Note 8)	5L: 5m (standard), 10L: 10m (optional)
Protection grade (Note 9)	IP65 or equivalent
Air purge pressure (Note 10)	0.3MPa or above (0.6MPa maximum) (Clean, dry air)

The technical drawing consists of two parts:

- Top View:** Shows the horizontal profile of the robot arm. The total width is (723.2). Key features include a central "Panel", a circular end effector with four mounting holes (4-ø11), and various radii (R40) and distances (e.g., 175, 100, 75, 120, 90, 150, 200, 130, 50, 75, 125).
- Side View:** Shows the vertical profile of the robot arm. The total height is 870 [970]. It includes the "IX" logo and "PROPORTIONATE" text. Key dimensions include a base height of 282 [-18], a main body height of 588 [688], and a reach of 500. Mounting details specify "3-M4, depth 8 (Same on the other side) Sealed with setscrew (*3)". A "Reference surface" is indicated at the bottom.



- *1: The external force applied to each spacer must not exceed 30 N in the axial direction or 2 N•m in the rotating direction.
- *2: To use the LED, the user must provide a circuit that takes signals from the controller's I/O output and supplies 24 VDC to the applicable LED terminal in the user connector.
- *3: The prepared hole 3-M4, depth 8 passes through the side panel of the arm. A long mounting screw will contact the mechanical parts inside the arm, so exercise caution. Be sure to seal the screw by attaching sealant tape, etc.

Applicable controller	Features	Maximum I/O points (inputs/outputs)	Serial communication unit	Power-supply voltage	Page
XSEL-KX	General-purpose type offering excellent expandability	176/160 points	Can be installed.	AC200V	P37



Refer to P. 6 for the explanations of (Note 1) to (Note 10).