

Joining forces

FD19-V25L

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The Extra-Long Reach Medium Class Robot

- **3m reach robot with 25kg payload:** 3m reach covering a wide working area without a slider Compared to our model: 1.5 times V8L and 1.8 times V25.
- **High-speed operation:** Contributes to improved productivity with the highest operating speed in the same class.
- Various applications: A payload capacity of 25 kg is sùcient to attach various tools such as welding and handling!

Specification

Туре	NV25L
Number of axes	6
Working range	3136 mm
Max. payload capacity	25 kg
Additional payload capacity Axis 3	10 kg
Installation type	Floor, ceiling hanging type
Weight	620 kg
Ambient temperature and humidity	0 ~ 45°C, 20 ~ 80 %RH (No condensation



Product information

Order No.	116000040	
Model No.	0	

	Working Range	Max Speed	Wrist load
Axe 1	+/- 180°	3.39 rad/s⊠194°/s⊠	
Axe 2	-155°⊠+90°	3.14 rad/s⊠180°/s⊠	
Axe 3	-180°⊠+250°	4.58 rad/s⊠205°/s⊠	
Axe 4	+/- 180°	7.85 rad/s¤450°/s¤	1.24 kg*m2
Axe 5	-50°⊠+230°	7.68 rad/s¤440°/s¤	1.24 kg*m2
Ахе б	+/- 360°(Note 2)	10.56 rad/s⊠605°/s⊠	0.33 kg*m2

Note 1: The value of the positional repeatability is at the tool center point (TCP) compliant to ISO 9283.

Note 2: The value in the parentheses indicates the wall-hung condition. J2 axis may occur the limitation of the working range.

Note 3: There are occasions where restrictions can be made to the operation range of the J2 axis when the wall-hung condition.

Note 4: The operation range of the J3 axis is restricted to -170 degrees to + 180 degrees when floor based welding is applied (In overhead mounting it's a combination of J2 + J3 axis).

Note 5: This is the specification for the case that the coaxial power cable are let into the centrum of J4 and J6 axis. The value given in parentheses presents for other specifications. Note 6: There are occasions where restrictions can be made to the operation range of the J6 axis, depending on the J5 axis's posture.

Note 7: Max. Load to the upper shoulder, when loading the max. payload capacity at the end effector.

F= Floor W=Wall C=Ceiling