

## Kawasaki Heavy Industries, Ltd

### Robot Business Division

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#### Kawasaki Robotics website

<https://robotics.kawasaki.com/>



#### Kawasaki Robotics brand site XYZ

<https://robotics.kawasaki.com/ja1/xyz/en/>



#### Kawasaki Robostage (showroom)

<https://robotics.kawasaki.com/ja1/robostage/en.html>



# Kawasaki Robot Palletizing Robots

Small-to-medium robots  
up to 80kg payload

Large robots  
up to 300kg payload

Extra large robots  
up to 1,500kg payload

Dual-arm Collaborative robots

Explosion-proof painting robots

Sealing robots

Arc welding robots

**Palletizing robots**

Medical & pharmaceutical robots

Picking robots

Wafer transfer robots

### Global Network

#### Kawasaki Robotics (USA), Inc.

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Phone: +1-248-446-4100 Fax: +1-248-446-4200

#### Kawasaki Robotics (UK) Ltd.

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Warrington Cheshire, WA5 7ZB, United Kingdom  
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#### Kawasaki Robotics GmbH

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Phone: +49-2131-34260 Fax: +49-2131-3426-22

#### Kawasaki Robotics Korea, Ltd.

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21633, Korea  
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#### Kawasaki Robotics (Tianjin) Co., Ltd.

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#### Taiwan Kawasaki Robot Center

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#### Kawasaki Motors Enterprise (Thailand) Co., Ltd.

(Rayong Robot Center)  
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Thailand  
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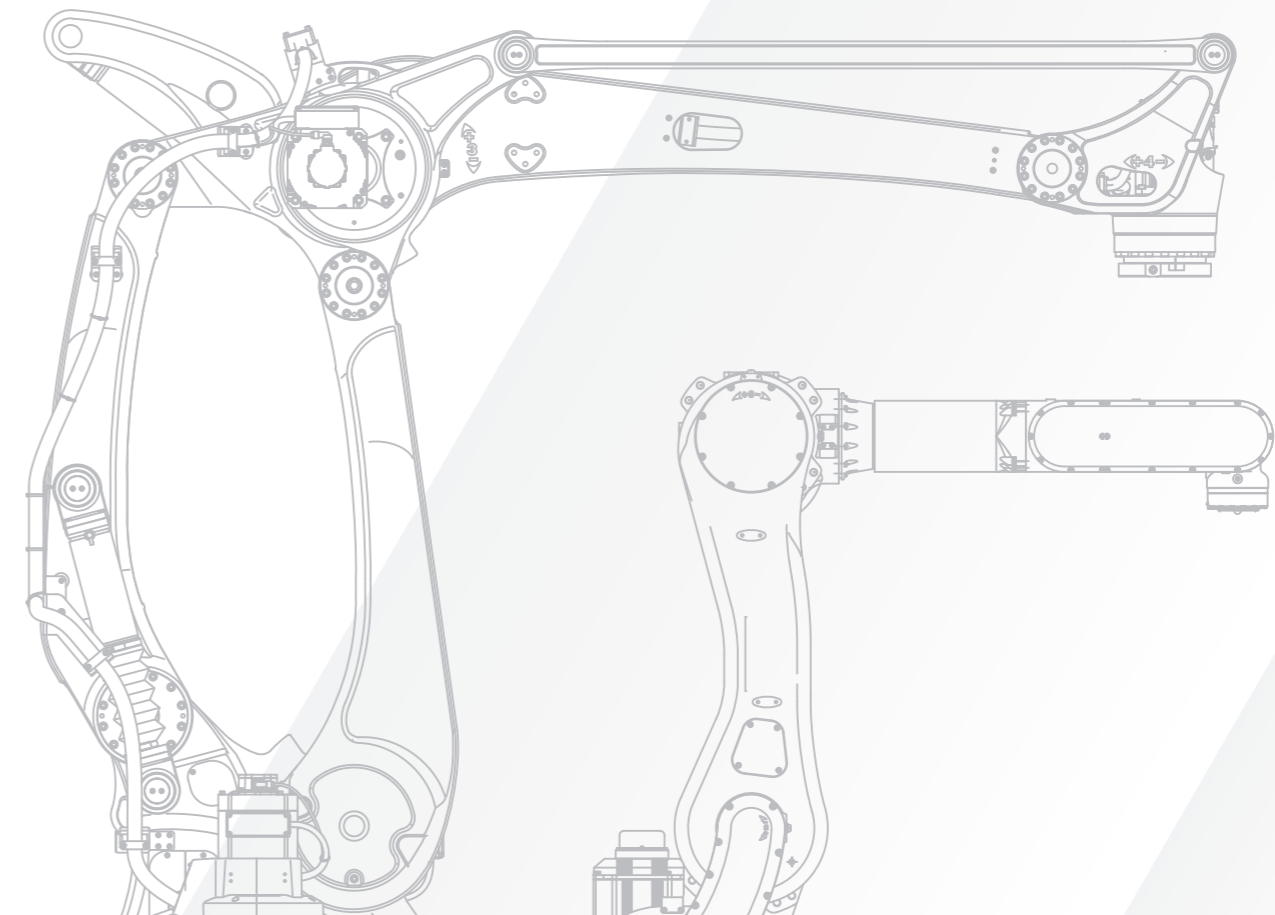


#### CAUTIONS TO BE TAKEN TO ENSURE SAFETY

- For those persons involved with the operation / service of your system, including Kawasaki Robot, they must strictly observe all safety regulations at all times. They should carefully read the Manuals and other related safety documents.
- Products described in this catalogue are general industrial robots. Therefore, if a customer wishes to use the Robot for special purposes, which might endanger operators or if the Robot has any problems, please contact us. We will be pleased to help you.
- Be careful as Photographs illustrated in this catalogue are frequently taken after removing safety fences and other safety devices stipulated in the safety regulations from the Robot operation system.



ISO certified in Akashi Works and Nishi-Kobe Works.





# F03



### Features

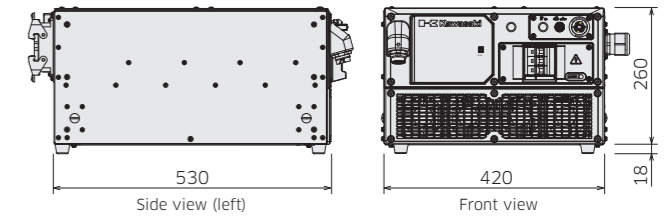
- The universal controller has common specifications to be used worldwide.
- Dimensions and weight have been reduced from its predecessor E-controller.

### Standard Specifications

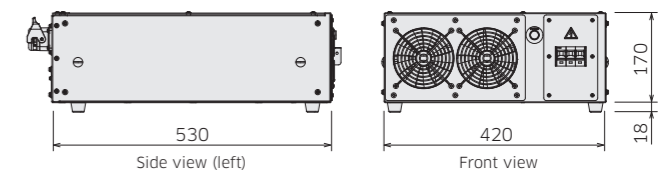
Dimensions (mm)		W420×D530×H278
Type		Enclosed type, indirect cooling system
Controlled (axes)		5
Memory capacity (MB)		16
I/O signals	External operation	Motor power off, Hold
	Input (Channels)	32
	Output (Channels)	32
Cable length	Teach pendant (m)	5
	Robot-controller (m)	5
Mass (kg)		30
Power requirements		AC200V - AC220V ±10%, 50/60Hz, 3Φ AC200V - AC230V ±10%, 50/60Hz, 1Φ Max. 12kVA
Installation environment	Ambient temperature (°C)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Teach pendant		Color LCD display with touch-panel, E-Stop switch, Teach lock switch, Enable switch
Operation panel		E-stop switch, teach/repeat switch

### External view and dimensions

F03



Transformer unit \*Option

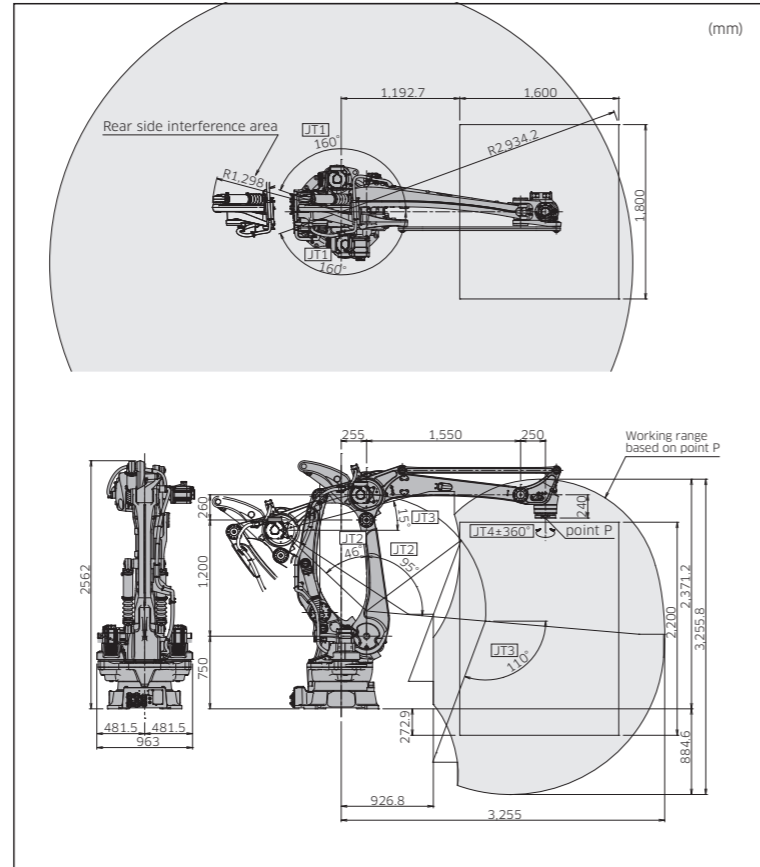


## CP700L

### Standard Specifications

Type		Articulated robot
Degree of freedom (axes)		4
Payload (kg)		700
Max. reach (mm)		3,255
Position repeatability*1 (mm)		±0.5
Motion range (°)	Arm rotation (JT1)	±160
	Arm out-in (JT2)	+95 - -46
	Arm up-down (JT3)	+15 - -110
	Wrist swivel (JT4)	±360
Max. speed (°/s)	Arm rotation (JT1)	75
	Arm out-in (JT2)	65
	Arm up-down (JT3)	65
	Wrist swivel (JT4)	170
Allowable moment of inertia (kg·m <sup>2</sup> )	Wrist swivel (JT4)	500
Mass (kg)		1,650
Mounting		Floor
Installation environment	Ambient temperature (°C)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements		F03/12kVA

\*1: Conforms to ISO9283



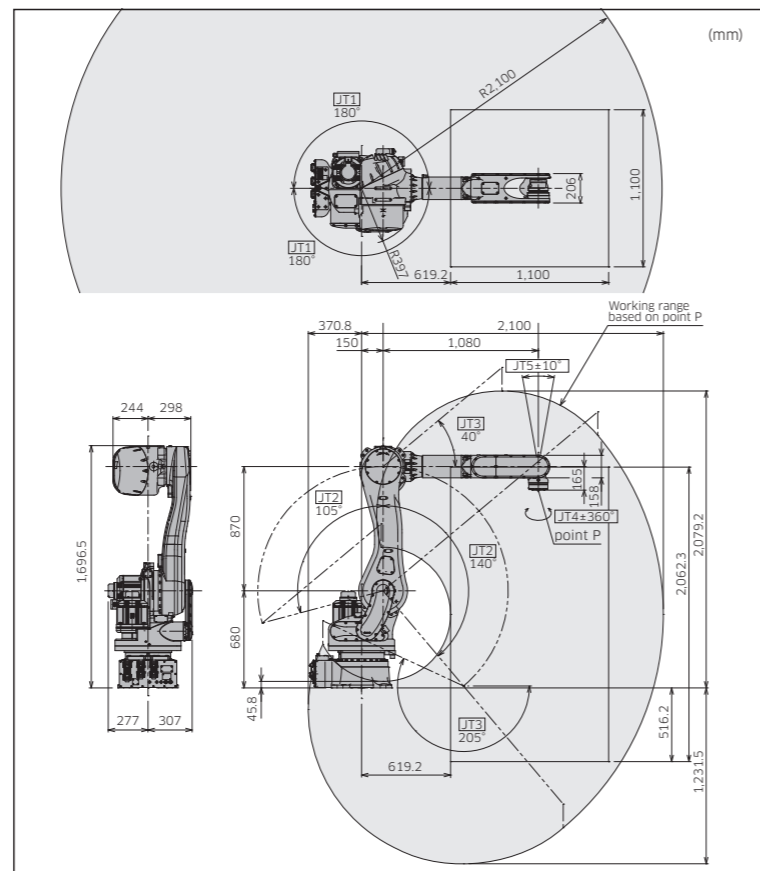
## RD080N

### Standard Specifications

Type		Articulated robot
Degree of freedom (axes)		5
Payload (kg)		80
Max. reach (mm)		2,100
Position repeatability*1 (mm)		±0.07
Motion range (°)	Arm rotation (JT1)	±180
	Arm out-in (JT2)	+140 - -105
	Arm up-down (JT3)	+40 - -205
	Wrist swivel (JT4)	±360
	Wrist compensation (JT5)	±10*2
Max. speed (°/s)	Arm rotation (JT1)	180
	Arm out-in (JT2)	180
	Arm up-down (JT3)	175
	Wrist swivel (JT4)	360
Allowable moment of inertia (kg·m <sup>2</sup> )	Wrist swivel (JT4)	13.7
Mass (kg)		540
Mounting		Floor
Installation environment	Ambient temperature (°C)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements		F03/12kVA

\*1: Conforms to ISO9283

\*2: Operating angle of the JT5 is ±10 degrees perpendicular to the ground.



### System configuration

