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Kawasaki Robotics website
<https://kawasakirobotics.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

Extra Large Robots
up to 1500kg payload

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

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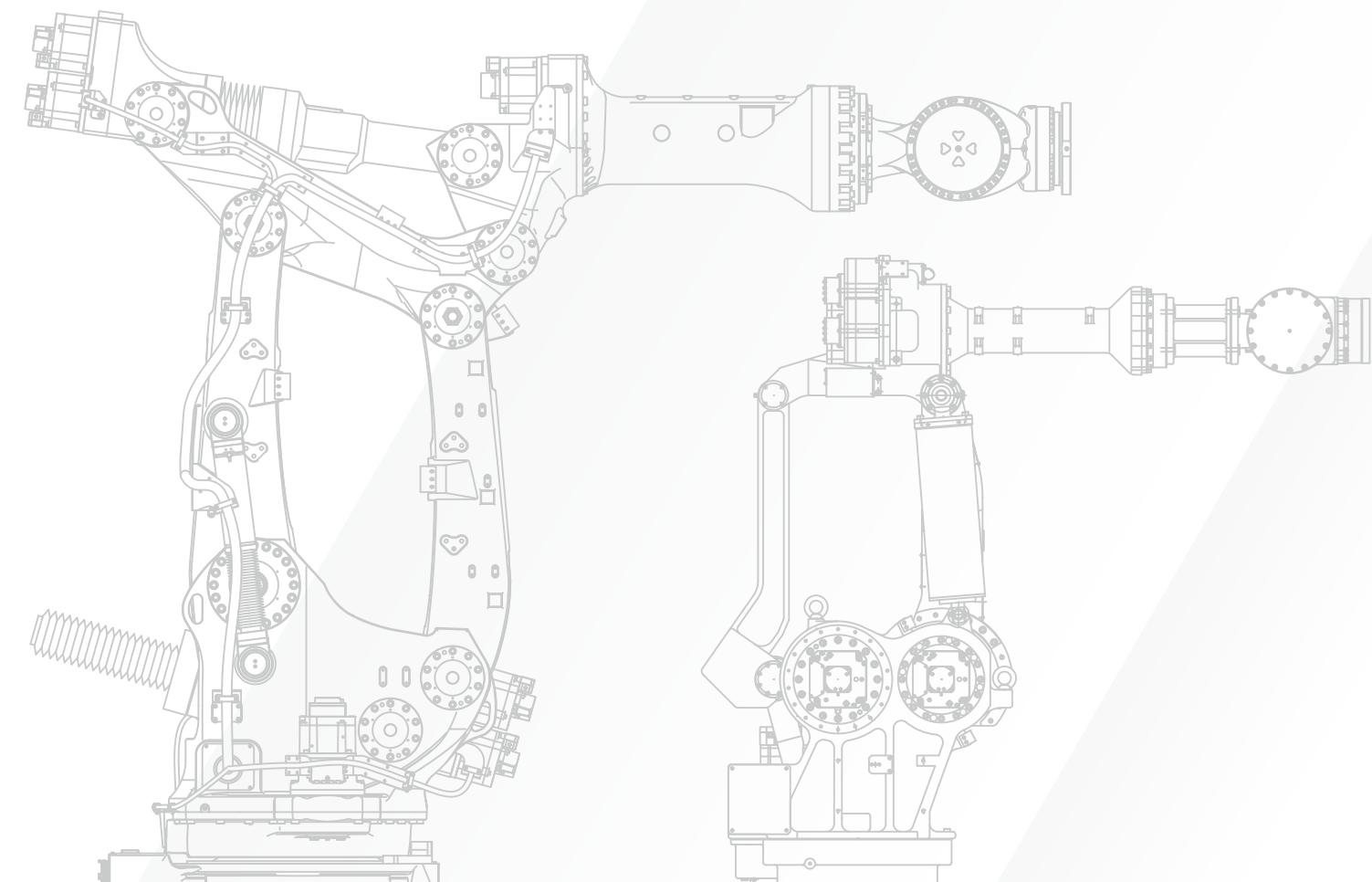
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Phone: +91-124-437-1845



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.



Extra large general-purpose robots

Heavy payloads, meet your match; Kawasaki's heavy-duty M series robots are the ultimate in form and function. The M series has the capability to handle massive 350 to 1,500 kg payloads with ease and accuracy, without compromising a compact design or high precision.

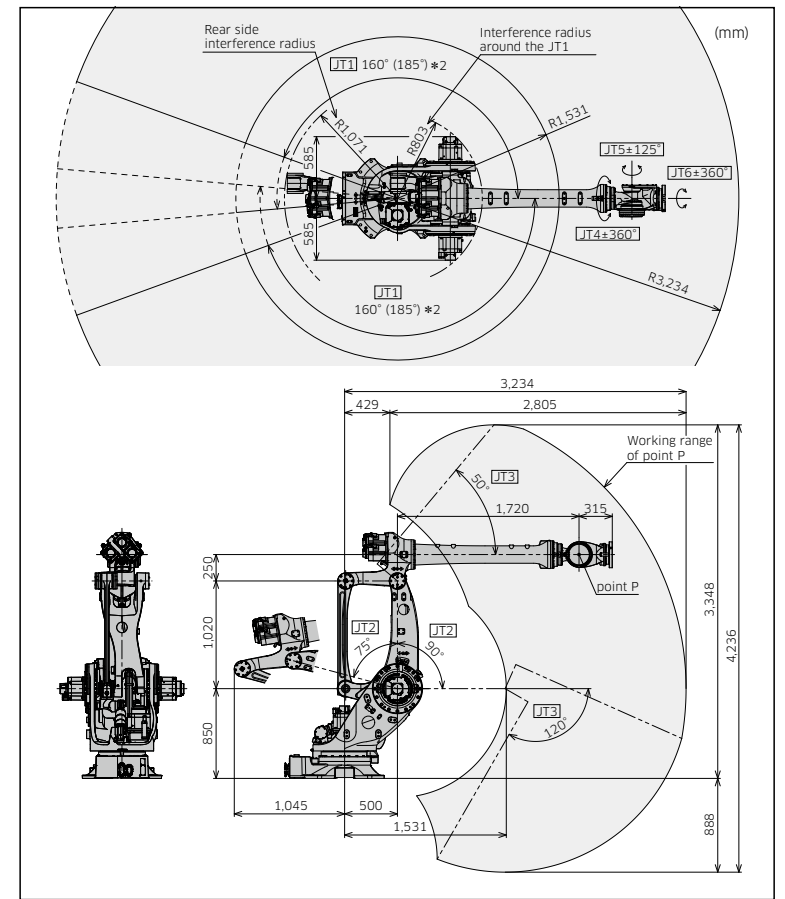


MXP360L		Standard Specifications
Type	Articulated robot	
Degree of freedom (axes)	6	
Payload (kg)	360	
Max. reach (mm)	3,234	
8=	±0.08	
Motion range (°)	Arm rotation (JT1)	±160 (±185) ⁰²
	Arm out-in (JT2)	+90 - -75
	Arm up-down (JT3)	+50 - -120
	Wrist swivel (JT4)	±360
	Wrist bend (JT5)	±125
	Wrist twist (JT6)	±360
Max. speed ⁰³ (°/s)	Arm rotation (JT1)	100
	Arm out-in (JT2)	86
	Arm up-down (JT3)	86
	Wrist swivel (JT4)	105
	Wrist bend (JT5)	105
	Wrist twist (JT6)	165
Allowable moment (N·m)	Wrist swivel (JT4)	2,300
	Wrist bend (JT5)	2,300
	Wrist twist (JT6)	1,300
Allowable moment of inertia (kg·m ²)	Wrist swivel (JT4)	350
	Wrist bend (JT5)	350
	Wrist twist (JT6)	230
Mass (kg)	1,550	
Mounting	Floor	
Installation environment	Ambient temperature (°C)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements	F02/7.5kVA	

01: Conforms to ISO9283
 02: When using the operating range of +160° to +185° with JT1 or -160° to -185° with JT1, an optional mechanical stopper is required. In this case, the total maximum operating range is limited to 320°. If more detailed data is required for your application, please contact Kawasaki.
 03: The values in the table are maximum values and vary depending on conditions such as load and motion range.

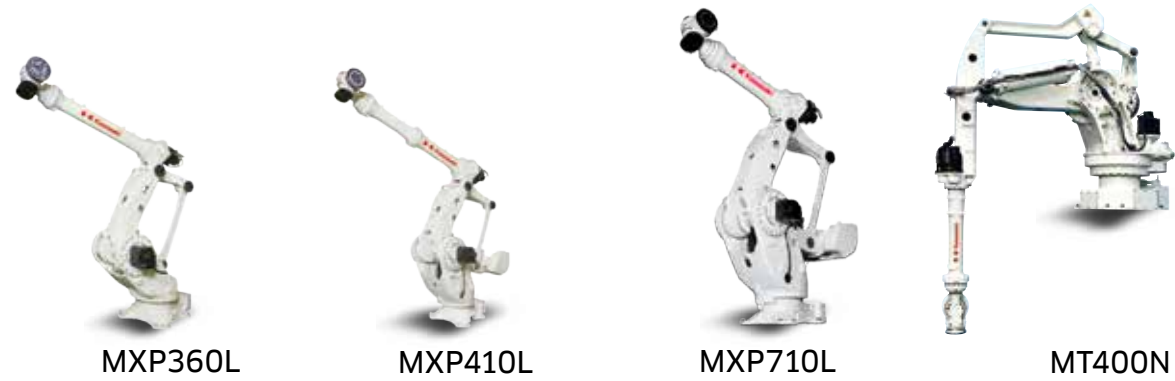
Features

- Compact footprint while delivering a broader range of motion, ideal for space-constrained, heavy-duty applications.
- Achieves up to 21% shorter cycle times boosting productivity in high-throughput environments.



MXP/MT series

M Series robots are engineered for ultra-heavy-duty applications, offering exceptional payload capacities up to 1,500 kg, high wrist torque, and a compact design that delivers powerful performance and precision in demand-



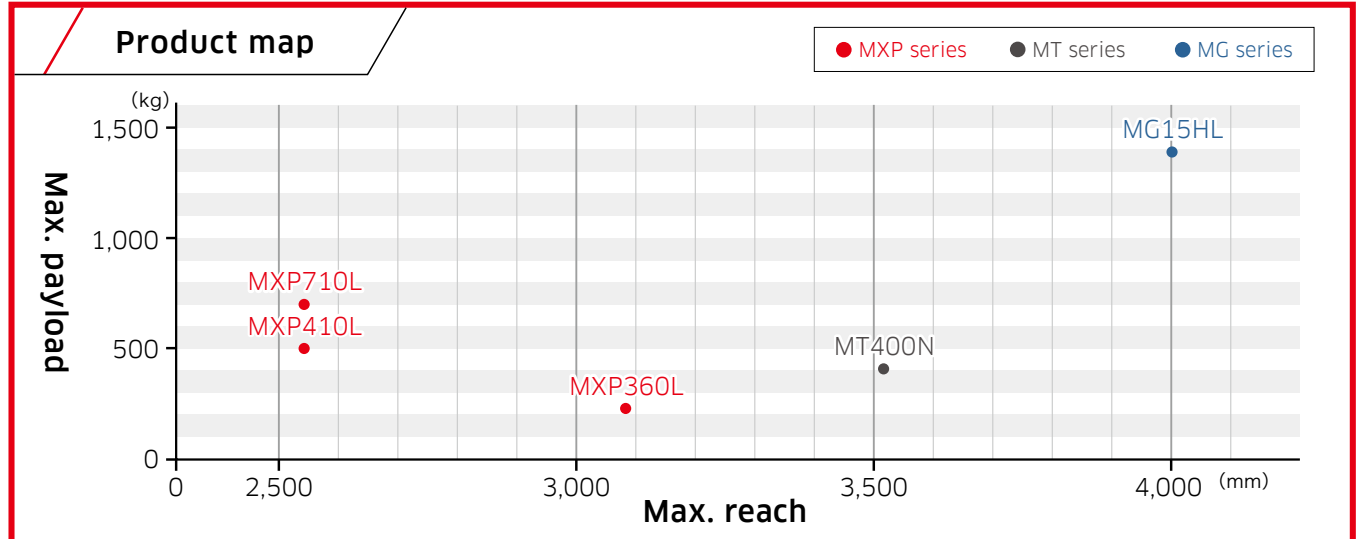
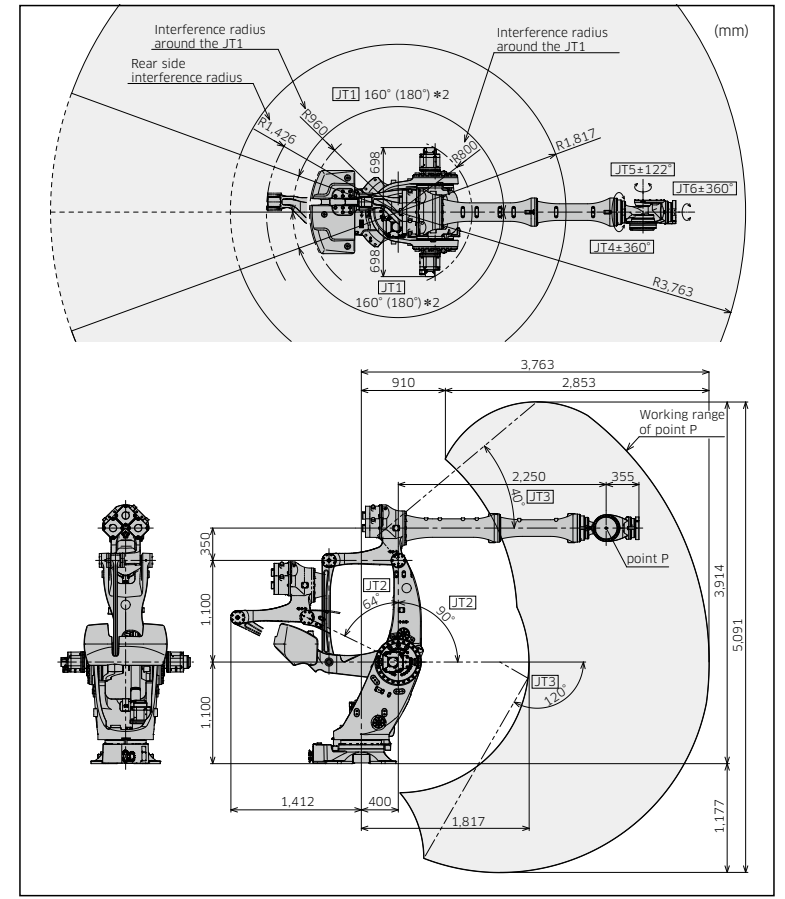
MG series

The MG series is equipped with Kawasaki's original hybrid link structure, ball screws and two large motors for JT3 (arm up-down) to achieve a slim body without a counter weigh. It offers a wide motion range and high position repeatability, suitable for handling heavy workpieces.



MXP410X		Standard Specifications
Type	Articulated robot	
Degree of freedom (axes)	6	
Payload (kg)	410	
Max. reach (mm)	3,763	
Position repeatability ⁰¹ (mm)	±0.12	
Motion range (°)	Arm rotation (JT1)	±160 (±180) ⁰²
	Arm out-in (JT2)	+90 - -64
	Arm up-down (JT3)	+40 - -120
	Wrist swivel (JT4)	±360
	Wrist bend (JT5)	±122
	Wrist twist (JT6)	±360
Max. speed (°/s)	Arm rotation (JT1)	82
	Arm out-in (JT2)	70
	Arm up-down (JT3)	70
	Wrist swivel (JT4)	110
	Wrist bend (JT5)	110
	Wrist twist (JT6)	160
Allowable moment (N·m)	Wrist swivel (JT4)	3,000
	Wrist bend (JT5)	3,000
	Wrist twist (JT6)	1,900
Allowable moment of inertia (kg·m ²)	Wrist swivel (JT4)	390
	Wrist bend (JT5)	390
	Wrist twist (JT6)	250
Mass (kg)	2,800	
Mounting	Floor	
Installation environment	Ambient temperature (°C)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements	F04/12kVA	

01: Conforms to ISO9283
 02: When using the operating range of +160° to +180° with JT1 or -160° to -180° with JT1, an optional mechanical stopper is required. In this case, the total maximum operating range is limited to 320°. If more detailed data is required for your application, please contact Kawasaki.
 03: The values in the table are maximum values and vary depending on conditions such as load and motion range.



{Applications}



Handling

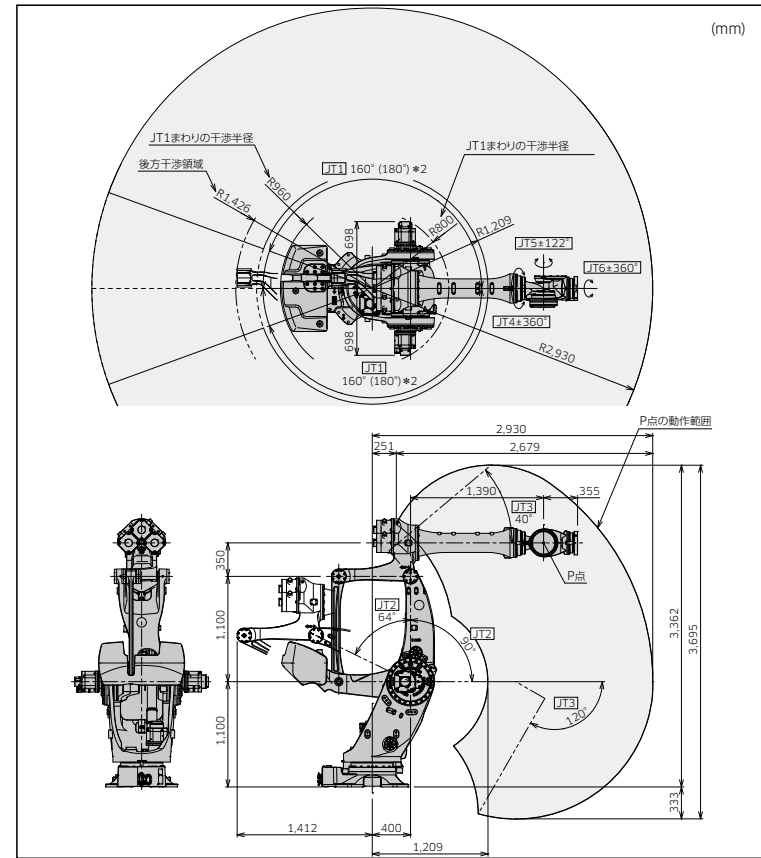


Machine tending

MXP710L / Standard Specifications

Type		Articulated robot
Degree of freedom (axes)		6
Payload (kg)		710
Max. reach (mm)		2,930
Position repeatability*1 (mm)		±0.08
Motion range (°)	Arm rotation (JT1)	±180
	Arm out-in (JT2)	+90 - -45
	Arm up-down (JT3)	+20 - -130
	Wrist swivel (JT4)	±360
	Wrist bend (JT5)	±110
	Wrist twist (JT6)	±360
Max. speed (°/s)	Arm rotation (JT1)	80
	Arm out-in (JT2)	70
	Arm up-down (JT3)	70
	Wrist swivel (JT4)	80
	Wrist bend (JT5)	80
	Wrist twist (JT6)	120
Allowable moment (N·m)	Wrist swivel (JT4)	3,920
	Wrist bend (JT5)	3,920
	Wrist twist (JT6)	1,960
Allowable moment of inertia (kg·m ²)	Wrist swivel (JT4)	400
	Wrist bend (JT5)	400
	Wrist twist (JT6)	259
Mass (kg)		2,750
Mounting		Floor
Installation environment	Ambient temperature (°C)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements		F04/12kVA

*1: Conforms to ISO9283



MT400N / Standard Specifications

Type		Articulated robot
Degree of freedom (axes)		6
Payload (kg)		400
Max. reach (mm)		3,503
Position repeatability*1 (mm)		±0.5
Motion range (°)	Arm rotation (JT1)	±180
	Arm out-in (JT2)	+90 - -135
	Arm up-down (JT3)	+30 - -30*2
	Wrist swivel (JT4)	±360
	Wrist bend (JT5)	±120
	Wrist twist (JT6)	±360
Max. speed*3 (°/s)	Arm rotation (JT1)	80
	Arm out-in (JT2)	70
	Arm up-down (JT3)	70
	Wrist swivel (JT4)	70
	Wrist bend (JT5)	70
	Wrist twist (JT6)	130
Allowable moment (N·m)	Wrist swivel (JT4)	2,150
	Wrist bend (JT5)	2,150
	Wrist twist (JT6)	980
Allowable moment of inertia (kg·m ²)	Wrist swivel (JT4)	200
	Wrist bend (JT5)	200
	Wrist twist (JT6)	147
Mass (kg)		2,600
Mounting		Floor
Installation environment	Ambient temperature (°C)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements		E58/15kVA

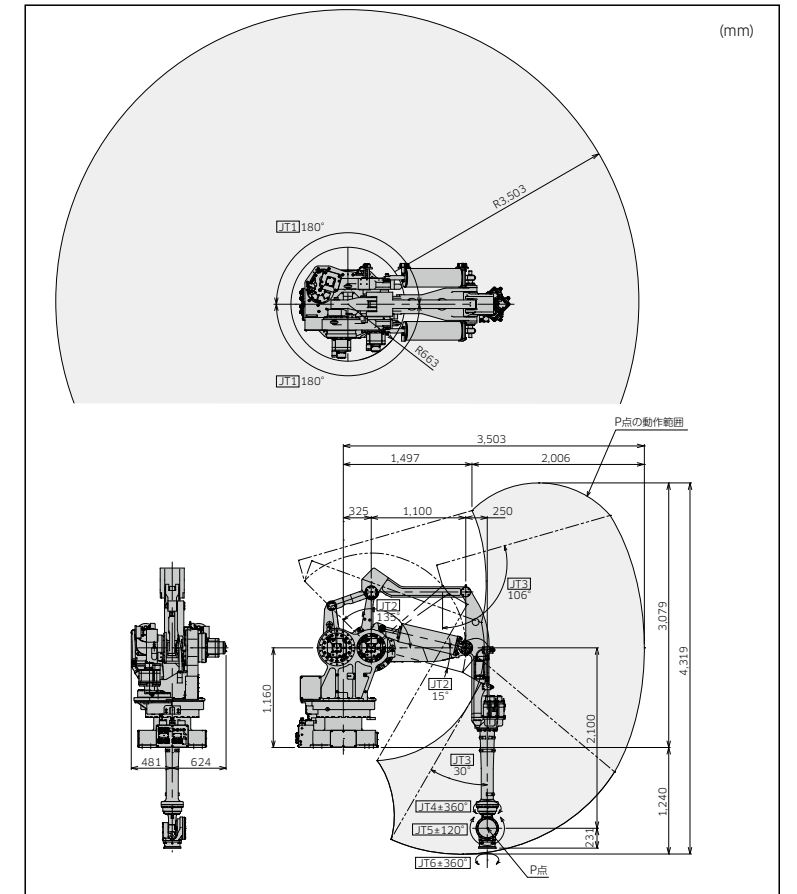
*1: Conforms to ISO9283

*2: Max. working range varies depending on the load mass and load torque

*3: The values in the table are maximum values and vary depending on conditions such as load and motion range.

Features

- Designed for vertical motion with reach capabilities over 4,300 mm, perfect for tall or deep workspaces.
- Innovative link structure eliminates bulky counterweights, maximizing motion range in compact spaces.



{Applications}



Handling



Machine tending

MG15HL

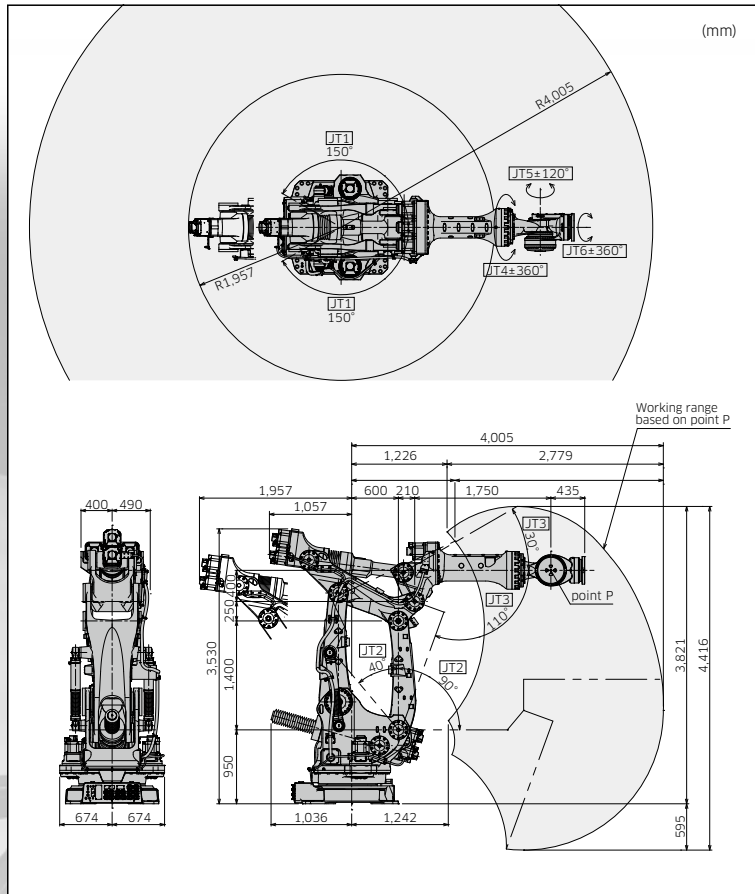
Standard Specifications

Type		Articulated robot
Degree of freedom (axes)		6
Payload (kg)		1,500
Max. reach (mm)		4,005
Position repeatability*1 (mm)		±0.1
Motion range (°)	Arm rotation (JT1)	±150
	Arm out-in (JT2)	+90 - -40
	Arm up-down (JT3)	+30 - -110*2
	Wrist swivel (JT4)	±360
	Wrist bend (JT5)	±120
	Wrist twist (JT6)	±360
Max. speed*3 (°/s)	Arm rotation (JT1)	65
	Arm out-in (JT2)	33.5
	Arm up-down (JT3)	37.5
	Wrist swivel (JT4)	36
	Wrist bend (JT5)	36
	Wrist twist (JT6)	80
Allowable moment (N·m)	Wrist swivel (JT4)	15,000
	Wrist bend (JT5)	15,000
	Wrist twist (JT6)	4,410
Allowable moment of inertia (kg·m ²)	Wrist swivel (JT4)	2,250
	Wrist bend (JT5)	2,250
	Wrist twist (JT6)	1,200
Mass (kg)		6,550
Mounting		Floor
Installation environment	Ambient temperature (°C)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements		E58/15kVA

*1: Conforms to ISO9283
 *2: Max. working range varies depending on the load mass and load torque
 *3: The values in the table are maximum values and vary depending on conditions such as load and motion range.

Features

- Maximum payload of 1500 kg handles the heaviest workpieces.
- High positional repeatability to accomplish specialized tasks
- Slim body without counterweight achieves a wide range of motion and high rigidity.



F02/F04

Features

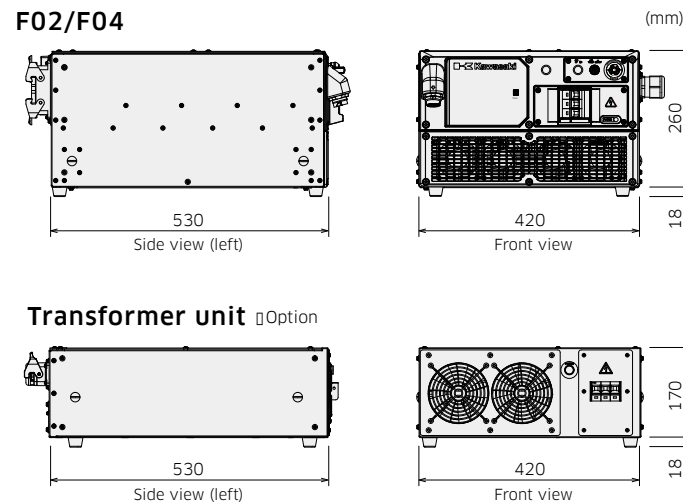
- Reduced size & energy consumption, with enhanced integrated features.
- Universal controller with common specifications that can be used globally.
(An optional transformer unit is necessary in the region where the power supply and safety standard differ.)

Standard Specifications

		F02	F04
Dimensions (mm)		W420×D530×H278	
Type		Enclosed type, indirect cooling system	
Controlled (axes)		7	6
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)		25	
Power requirements		AC200V - AC220V ±10%, 50/60Hz, 3φ AC200V - AC230V ±10%, 50/60Hz, 1φ Max. 7.5kVA 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



E58

Features

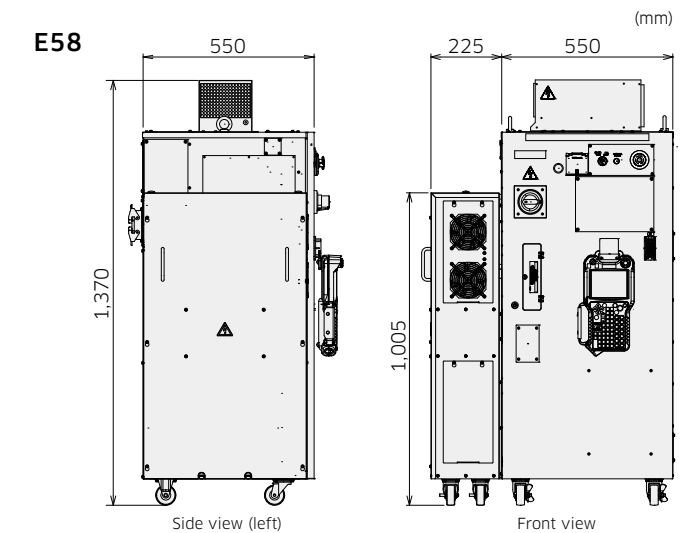
- The E58 controller is used for M series extra large robots.
- The universal controller has common specifications to be used globally and support diverse primary power voltages.

Standard Specifications

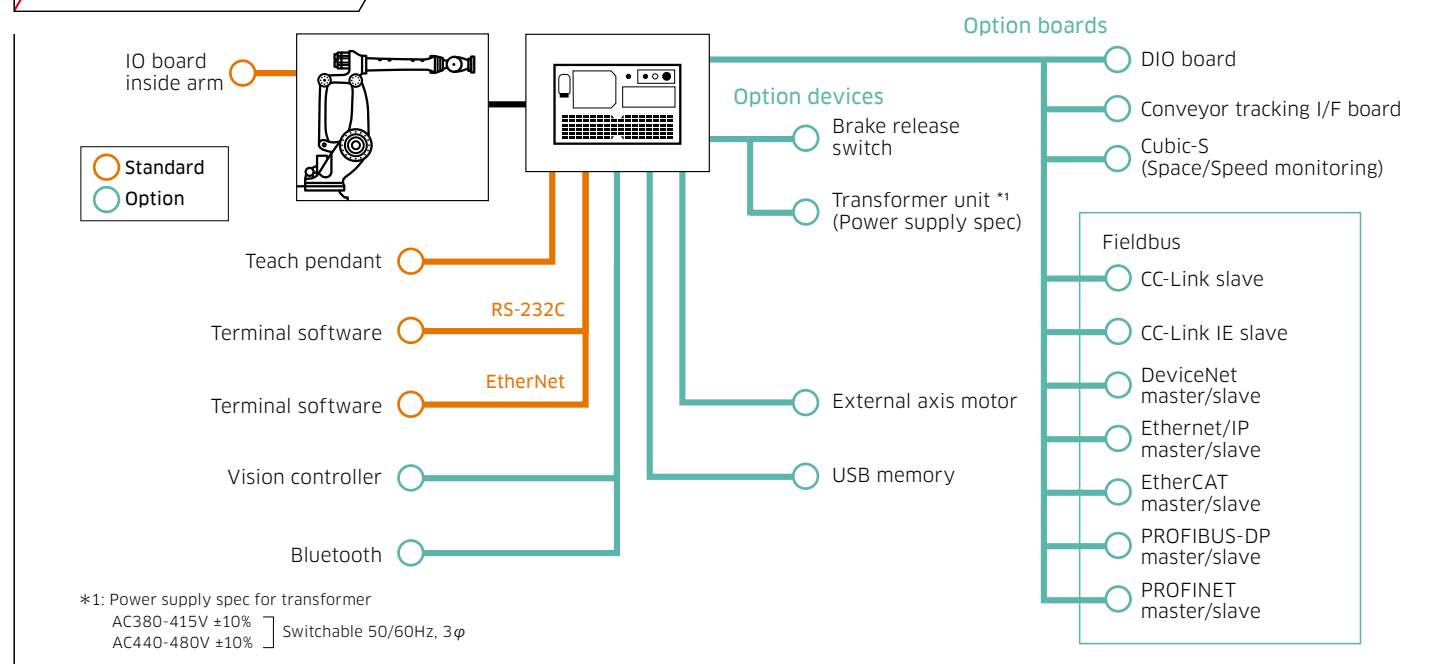
Dimensions (mm)		W775×D550×H1,370	
Type		Enclosed structure, Indirect cooling system	
Controlled (axes)		9	
Memory capacity (MB)		8	
I/O signals	External operation	Motor power off, Hold	
	Input (Channels)	32	
	Output (Channels)	32	
Cable length	Teach pendant (m)	5	
	Robot-controller (m)	5	
Mass (kg)		165	
Power requirements	Japan	AC200 - AC220V ± 10%, 50/60Hz, 3φ	
	Europe & Asia	AC380 - AC415V ± 10%, 50/60Hz, 3φ	
	North America	AC440 - AC480V ± 10%, 60Hz, 3φ	
		Max. 15kVA	
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		Teach/repeat SW, Emergency stop SW,	



External view and dimensions



System configuration



System configuration

