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Kawasaki Robostage (showroom)
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CAUTIONS TO BE TAKEN TO ENSURE SAFETY

- For any persons involved with the operation / servicing of your system, including Kawasaki Robot, they must strictly observe all safety regulations at all times. Please 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 happy to help you.
- Please be careful as Photographs illustrated in this catalogue are frequently taken after the removal of safety fences and other safety devices stipulated in the safety regulations from the Robot operation system.

* Materials and specifications are subject to change without notice.

Cat. No. 2651 Jul. '26

Kawasaki
Powering your potential

Extra Large Robots up to 1500kg payload

MXP/MG Series

Kawasaki Robotics

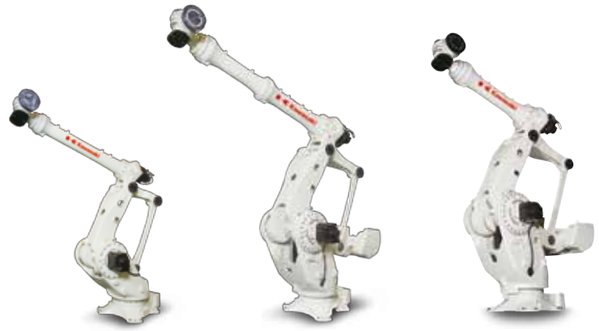
Extra large general-purpose robots

M series extra large robots incorporate Kawasaki's experience and state-of-art technologies.
With a maximum payload of 1,500kg, M series robots can gives it the power to lift and manipulate heavy loads such as automobile bodies.

MXP series

The MXP series has large payload capacities and wide motion ranges in the vertical direction.

Thanks to our original construction, it has high positioning repeatability with a compact arm.



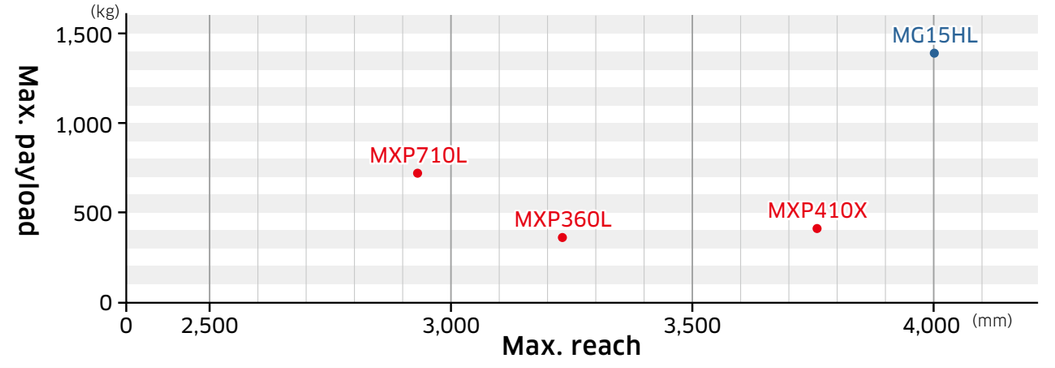
MXP360L　MXP410X　MXP710L

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 hight position repeatability, suitable for handling heavy workpieces.

MG15HL

Product map



MXP series

【Applications】 Handling　Machine tending

Features

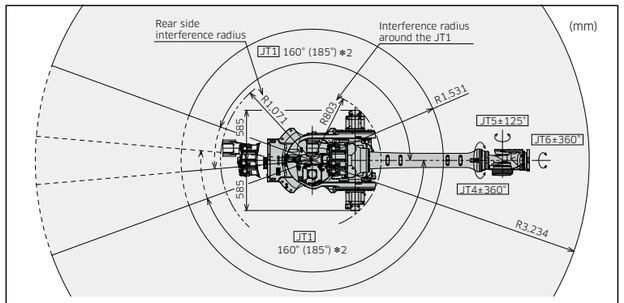
- The long reaches in the vertical and horizontal directions enable wide layout applications.
- The gas balancers that are integrated in the arm achieve compact body.

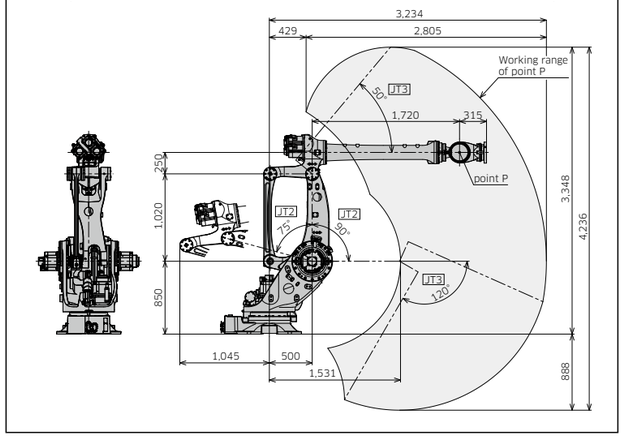
MXP360L

Standard Specifications

Type		Articulated robot
Degree of freedom (axes)		6
Payload (kg)		360
Max. reach (mm)		3,234
Position repeatability*1 (mm)		±0.08
Motion range (°)	Arm rotation (JT1)	±160 (±185)*2
	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*3 (°/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·m²)	Wrist swivel (JT4)	350
	Wrist bend (JT5)	350
	Wrist twist (JT6)	230
Mass (kg)		1,550
Mounting		Floor
Installation environment	Ambient temperature (℃)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements		F02/7.5kVA

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



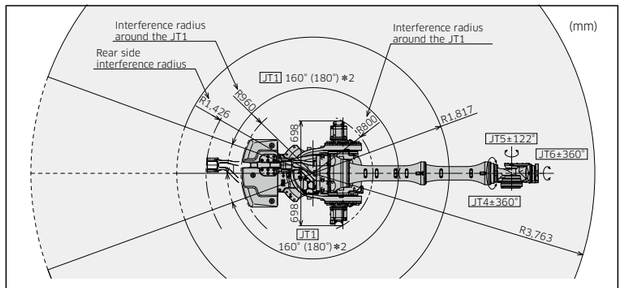


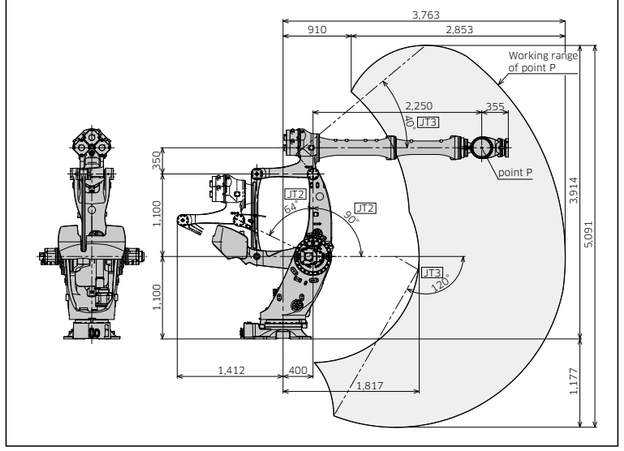
MXP410X

Standard Specifications

Type		Articulated robot
Degree of freedom (axes)		6
Payload (kg)		410
Max. reach (mm)		3,763
Position repeatability*1 (mm)		±0.12
Motion range (°)	Arm rotation (JT1)	±160 (±180)*2
	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·m²)	Wrist swivel (JT4)	390
	Wrist bend (JT5)	390
	Wrist twist (JT6)	250
Mass (kg)		2,800
Mounting		Floor
Installation environment	Ambient temperature (℃)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements		F04/12kVA

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





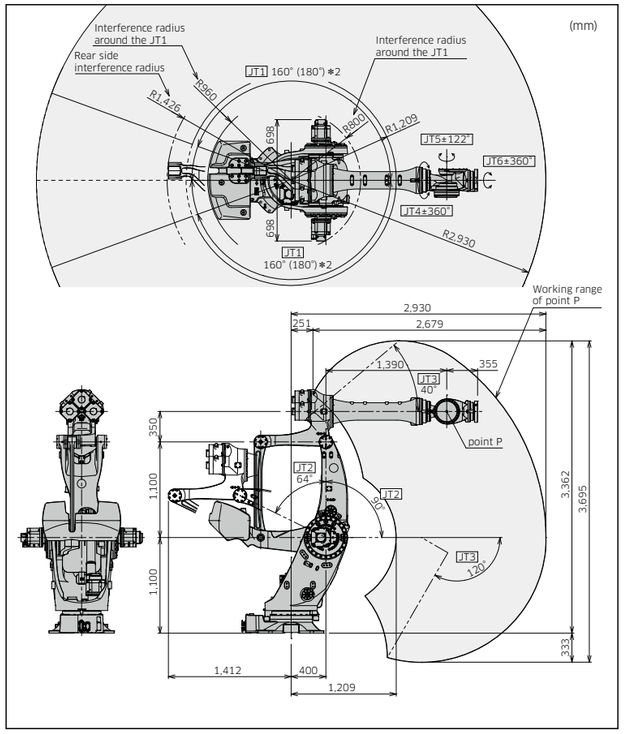
MX P series

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)	±160 (±180)*2
	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)	90
	Wrist bend (JT5)	90
	Wrist twist (JT6)	160
Allowable moment (N·m)	Wrist swivel (JT4)	3,700
	Wrist bend (JT5)	3,700
	Wrist twist (JT6)	1,900
Allowable moment of inertia (kg·m²)	Wrist swivel (JT4)	500
	Wrist bend (JT5)	500
	Wrist twist (JT6)	250
Mass (kg)		2,750
Mounting		Floor
Installation environment	Ambient temperature (℃)	0 - 45
	Relative humidity (%)	35 - 85 (No dew, nor frost allowed)
Controller/Power requirements		F04/12kVA

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



MG series

【Applications】 Handling　Machine tending

Features

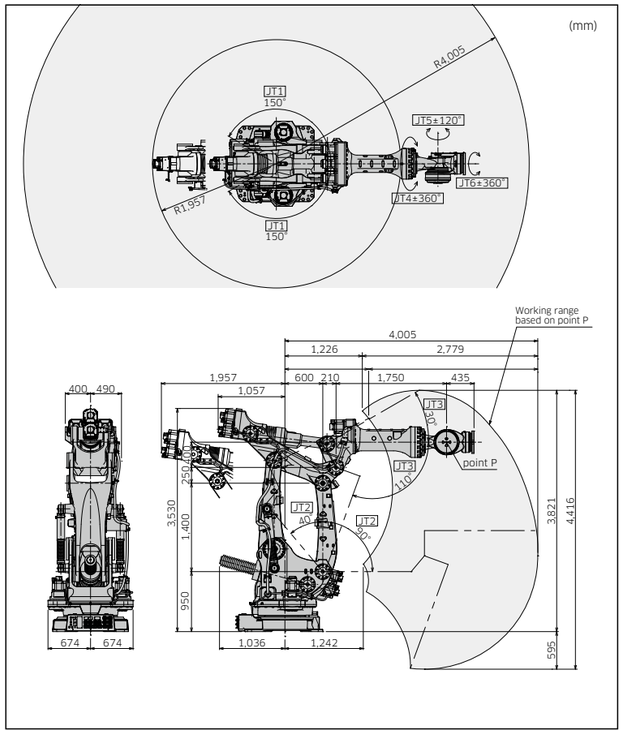
- Maximum payload of up to 1,500 kg allows for transfer of heavy workpieces.
- Dynamic and accurate tasks are possible thanks to high position repeatability.
- Slim body without a counter weight achieves wide motion ranges and high rigidity.

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·m²)	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 (℃)	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.



F02/F04

Features

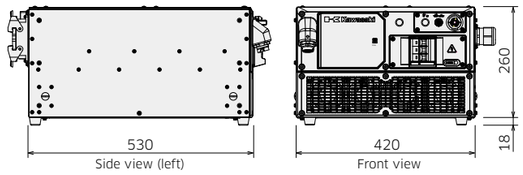
- Dimensions and weight have been reduced from its previous E-controller.
- This universal controller has common specifications that can be used globally.
  (An optional transformer unit is necessary in the region where the power supply and safety standard differ.)

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 (℃)	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	

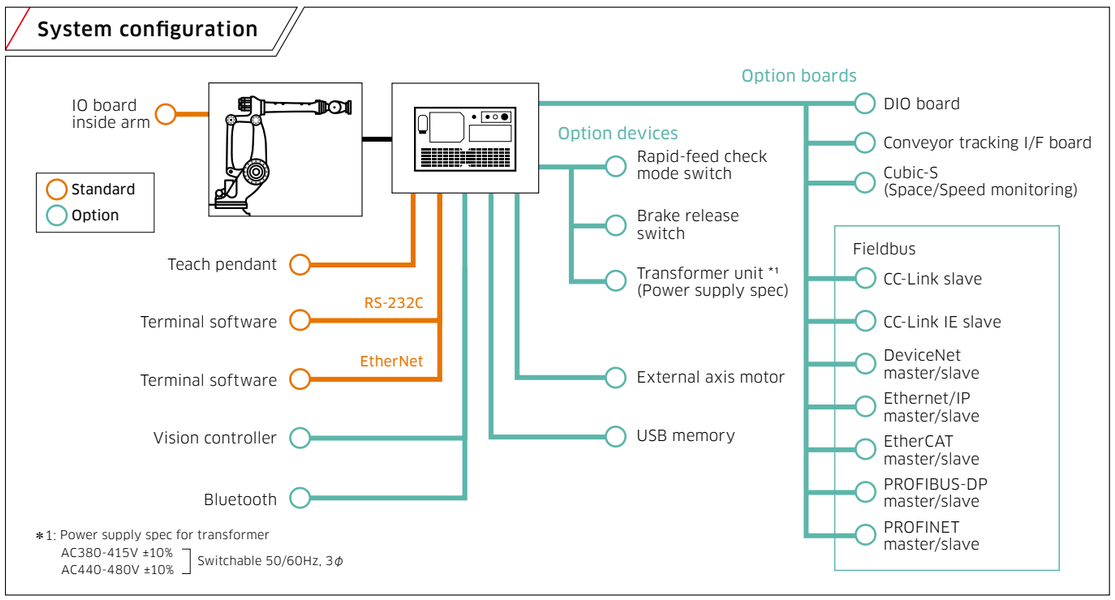
External view and dimensions

F02/F04 (mm)



Transformer unit ＊Option

System configuration



E58

Features

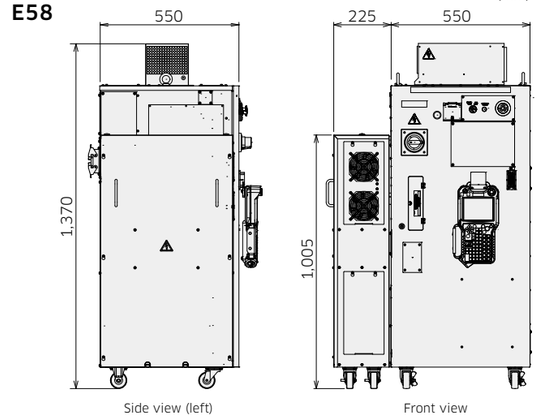
- The E58 controller is used for M series extra large robots.
- The universal controller has common specifications to be used globally and support diverse primary power voltages.

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 (℃)	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

E58 (mm)



System configuration