

Simple & friendly

The Kawasaki Z Series

ZD 130/250

All Electric AC Servo-Drive
Heavy Duty Industrial Robot
KEY FEATURES

Axes: 4 standard (5 optional)

Robot Arm Type: Articulated

Payload: 130-250 Kg (286-550 lbs)

Applications: Palletizing, Material Handling

Basic Description: The Kawasaki ZD Series robots are designed for heavy-duty payload applications requiring a flexible work envelope and minimal dead space. The robot lends itself easily to be utilized in palletizing applications. The robot features a large working envelope, high speed palletizing capability and a simplified teaching system for palletizing.

Special Features:

Common C Series Controller

Large Working Envelope

Heavy-Duty Cycle

- Maximum payload within entire work envelope at full speed

Space Saving Design

- Small footprint
- Minimal dead zone

Production Advantages

- High speed capability
- Increased acceleration and deceleration rate
- High speed servo loop and all digital servo control

Reduced Maintenance Costs

- 10,000 hour maintenance intervals
- Modular design for quick repairs
- Brushless AC servo motor
- Common spare parts
- Fittings for simple lubrication

User Benefits:

Proven Reliability

- Over 30 years of experience

User Friendly Programming

- Simplified teaching method using multi-function panel
- High level "AS" language for advanced programming
- On line error logging
- Menu driven software
- On screen diagnostics
- Automatic speed limitation in teach mode

Safety

- E-stop button on multi-function panel and controller
- Overtravel limits

Controller Features:

Kawasaki C Series Controller with 32 Bit RISC Type Microprocessor

- 1 MB (4,000 steps) of memory
- Up to 4 MB (34,000 steps) of memory (opt)
- PC Card (1 MB or 8 MB) port for external memory
- I/O: 32/32 channels, 24V DC
- I/O: expandable to 128/128 channels (opt)
- Networking capability (ControlNet, Ethernet, Allen Bradley Remote I/O capability, etc.) (opt)
- SLOGIC (internal PLC) (opt)
- Handheld LCD Multifunctional Touch Panel comprising:
 - Teach Pendant
 - I/O Operation Displays
 - Robot Function Menus and Operation Status Displays
 - Data Keyboard
 - User I/O Soft Panel

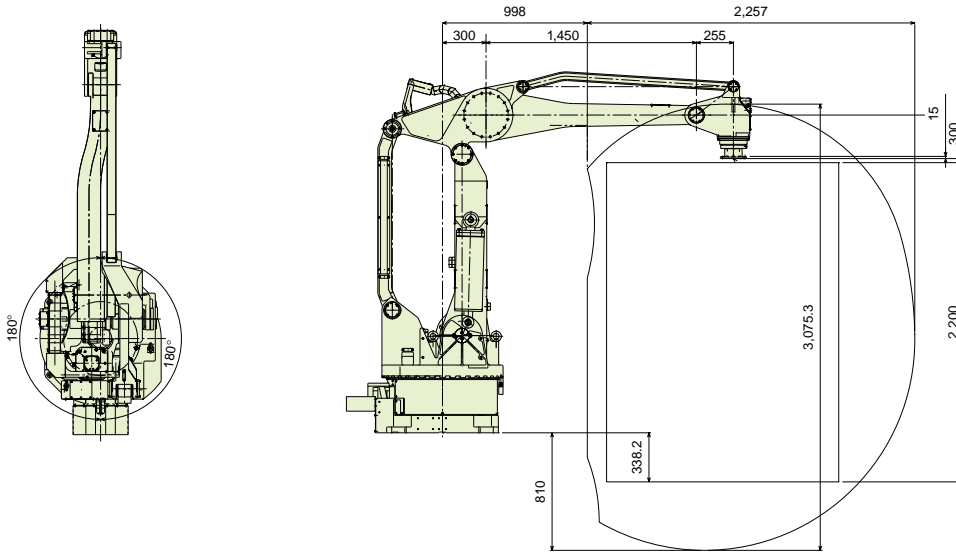


Kawasaki

simply the highest performance robots on the planet

The Kawasaki Z Series

ZD130/250



		Type	ZD130S	ZD250S
Specifications				
Payload			130 kg	250 kg
Axes			4 (5)*	4 (5)*
Range of Motion	JT1		360°	360°
	JT2		140°	140°
	JT3		135°	135°
	JT4		720°	720°
	(optional)	JT5*	Standard 2000 mm	Standard 2000 mm
Max Speed	JT1		135°/sec	95°/sec
	JT2		110°/sec	90°/sec
	JT3		130°/sec	95°/sec
	JT4		400°/sec	190°/sec
	(optional)	JT5*	1000 mm/sec	1000 mm/sec
Wrist Rated Moment of Inertia	JT4		50 Kg·m ² (5.1 kg·m·s ²)	100 Kg·m ² (10.2 kg·m·s ²)
Vertical Reach			3075 mm	3075 mm
Horizontal Reach			3255 mm	3255 mm
Repeatability			±0.5 mm	±0.5 mm
Weight			1,500 kg	1,500 kg
Positioning Feedback			Absolute Encoder	
Drive Motors			Brushless AC Servo Motor	

*With Traversing Unit

For More Information Please call Kawasaki Robotics (USA) Inc.

1 mm = 0.0394 in. 1 kg·m = 7.23 ft·lb
 1 kg = 2.20 lbs. 1 kg·m·s² = 7.23 ft·lb·s²

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