

TM-ZR865RS

TECHNICAL SPECIFICATIONS

CRANE CAPACITY	8,200 kg at 1.8 m (6 parts of line)
BOOM	Fully powered partly synchronized telescoping boom of pentagonal box construction.
Sections	5
Length	4.4 m - 15.92 m
Extending Speed	11.52 m / 40 s
Elevation Range/Speed	1° to 82° / 18 s
Max. Hook Height*	Approx. 18.0 m
Max. Load Radius*	15.7 m
WINCH	Hydraulic motor driven. Spur gear speed reduction, provided with automatic brake and cable follower.
Max. Single Line Pull	14.7 kN {1,500 kgf}
Max. Single Line Speed	45 m/min. (at 4th layer)
Wire rope (Diameter x length)	10 mm x 95 m
SLEWING	Hydraulic motor driven. Worm gear speed reduction. Continuous 360° full circle slewing on ball bearing slew ring. Automatic slewing lock.
Slewing Speed	2.5 min ⁻¹ {rpm}

RATED LIFTING CAPACITIES

Empty chassis Rated Capacities

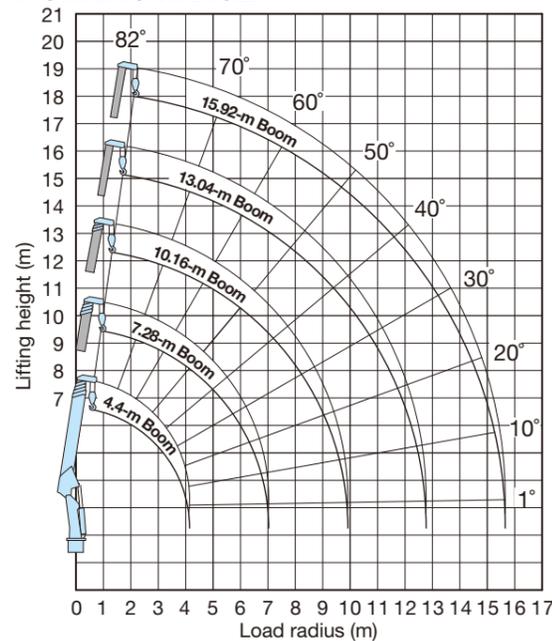
C	4.4 m			7.28 m			10.16 m		
	Max.	Mid.	Min.	Max.	Mid.	Min.	Max.	Mid.	Min.
1.8 m ^{max}	8,200	6,000	4,000	6,000	6,000	4,000			
2.4 m	6,000	6,000	4,000	6,000	6,000	4,000	3,000	3,000	2,900
2.9 m	5,000	5,000	3,000	5,000	5,000	2,900	3,000	3,000	2,900
3.5 m	4,200	4,200	2,300	4,200	4,200	2,150	3,000	3,000	2,150
4.0 m				3,700	3,350	1,750	3,000	3,000	1,750
4.15 m	3,350	3,250	1,650						
4.5 m				3,300	2,700	1,350	3,000	2,700	1,350
4.6 m				3,200	2,600	1,300	3,000	2,600	1,300
5.0 m				2,900	2,200	1,100	2,700	2,200	1,100
6.0 m				2,200	1,600	750	2,200	1,600	750
7.0 m							1,800	1,250	500
7.03 m				1,750	1,150	500			
8.0 m							1,400	950	350
9.0 m							1,150	750	200
9.91 m							1,000	600	130

C	13.04 m		15.92 m	
	Max.	Mid.	Max.	Mid.
2.9 m ^{max}	3,000	3,000		
3.5 m	3,000	3,000	2,600	2,600
4.0 m	3,000	3,000	2,600	2,600
4.5 m	3,000	2,700	2,600	2,600
4.6 m	2,900	2,600	2,600	2,600
5.0 m	2,600	2,200	2,600	2,200
6.0 m	2,000	1,600	2,000	1,600
7.0 m	1,700	1,250	1,650	1,250
8.0 m	1,400	950	1,400	950
9.0 m	1,150	750	1,150	750
10.0 m	1,000	600	1,000	600
11.0 m	900	500	900	500
12.0 m	750	450	750	450
12.7 m	650	400		
13.0 m			650	400
14.0 m			550	350
15.67 m			450	250

A: Boom Length
B: Outrigger extension width
C: Load radius

OUTRIGGERS	Hydraulically extended sliders and hydraulically extended jacks. Integral with crane frame. Power up and down.
Extended Width	Max.: 4.8 m Mid.: 3.5 m Min.: 2.25 m
HYDRAULIC SYSTEM	Multiple control valves with integral safety valve
Control Valves	
STANDARD SAFETY EQUIPMENT	<ul style="list-style-type: none"> •AML (Automatic Moment Limiter) •Load indicator •Warning alarm •Over load limiter •WHL (Working Height Limiter) •Load meter •Load indicator •Emergency stop switch on radio controller •Over-winding alarm •Hoisting limiter •Jack interlock •P.T.O. indicator lamp •Hook safety latch •Hydraulic safety valves, check valves and holding valves •Level gauge
SUITABLE TRUCKS	Gross vehicle mass 20,000 to 25,000 kg

WORKING RANGE



NOTES FOR TECHNICAL SPECIFICATIONS:

- Operating speeds of the crane are guaranteed under the conditions that the pump delivery is 60 L/min.
- *No allowance made for boom deflection under laden conditions.

NOTES FOR RATED LIFTING CAPACITIES:

The mass of hook block (90 kg), slings and all similarly used load handling devices must be added to the mass of load.

NOTES FOR WORKING RANGE:

This chart does not include influence of boom deflection.

Note: Some specifications are subject to change.



Lifting your dreams

TRUCK LOADER CRANE

TM-ZR865RS

For Large Size Vehicles



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POWERFUL CARGO CRANE

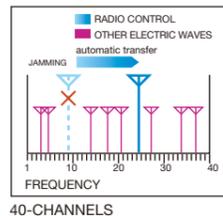
The ZR865RS, a powerful cargo crane of the ZR Series provides a maximum lifting capacity of 8,200 kg along with improved ease of use for greater safety. In addition, a High-Performance Radio Controller available for the model ensures effective operation by getting various hard jobs done easily, and greatly mitigating an operator's load while at work.



RADIO CONTROLLER WITH LCD* DISPLAY *Liquid-Crystal Display

Radio Controller of low electric power consumption type displays at all times operating conditions such as the actual load, rated load, moment ratio on the liquid-crystal screen to further enhance safety and working efficiency.

High-Powered Radio Controller
Radio Controller with powerful transmitting output automatically selects a frequency free of jamming, out of as many frequencies as 40 channels, to avoid interference troubles.



Durable Structure
Radio controller offers further improved durability, such as water-resistant structure along with shock-resistant.



Selectable Speed Mode

Speed mode according to operating conditions can be selected from the high-speed mode, the middle speed mode and the low speed mode.

JACK INTERLOCK

Disables crane operation when the left or right jack is not in contact with the ground.

BROADER OUTRIGGER WIDTH **4.8 m**

The employment of a parabox-type outrigger enables the outrigger to secure a three-stage extension width to the maximum of 4.8 meters which serves to substantially enhance crane performance. A powerful hydraulic extension system of the outriggers is now available for the model.



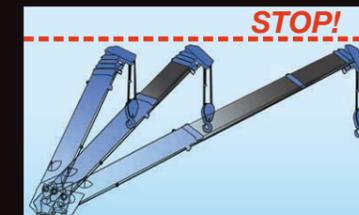
PARABOX OUTRIGGER

BOOM WITH A BUILT-IN TELESCOPING WIRE ROPE

The five-section boom with a built-in telescoping wire rope offers outstandingly powerful capacities, but nonetheless it has a clean, clutter-free outer appearance.

BOOM HEIGHT LIMIT FUNCTION

The WHL (Working Height Limiter) is designed to stop boom elevation or telescoping when the boom tip reaches the registered height (as pre-programmed by the operator). This function secures safety particularly when you are working under a roof or in a tunnel or in any height-restricted conditions.



AML (Automatic Moment Limiter)

AML is a system that monitors and controls crane working conditions, such as the state of a lifted load and the middle extension condition of outriggers, to ensure safer operation. Furthermore, the crane reaches the registered limit, warning lamps light up, and the crane operation stops.

CENTRALIZED CONTROL PANELS

Installed on both sides of the slewing post is the centralized control panel where operating switches and the lifting chart needed for crane operation are grouped together and arranged on a single panel.



LEFT-HAND SIDE

RIGHT-HAND SIDE

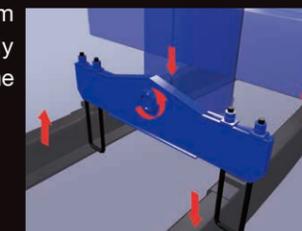
AUTOMATIC SLEWING LOCK SYSTEM

The boom is mechanically locked securely at the boom post base to prevent accidental boom slewing out during vehicle travel.



THREE-POINT SUPPORT SYSTEM (Equalizer Crane Support)

The equalizer crane support system protects the chassis frame by evenly distributing the load applied to the frame during vehicle travel to prevent excessive stress concentration at any one point.



CARGO CRANE
ZR865RS