

info@tadano.com
www.tadano.com



Tadano Ltd.
KANDA SQUARE 18th Floor, 2-2-1 Kanda-Nishikicho,
Chiyoda-ku, Tokyo 101-0054, Japan
Phone: +81-3-6811-7309



TRUCK LOADER CRANE

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TM-ZE550 Series

TM-ZE553HRB
TM-ZE554HRB
TM-ZE555HRB



内容をオーストラリア版360/300とあわせています。
よろしいでしょうか?

Tadano QUALITY: advanced safety and power in a single package

The TM-ZE550HRB is a more powerful crane that comes with the sophisticated, high-quality Eyes system as standard equipment. It delivers greater safety and peace of mind.

TM-ZE550HRB



Radio Controller with Color LCD* Display

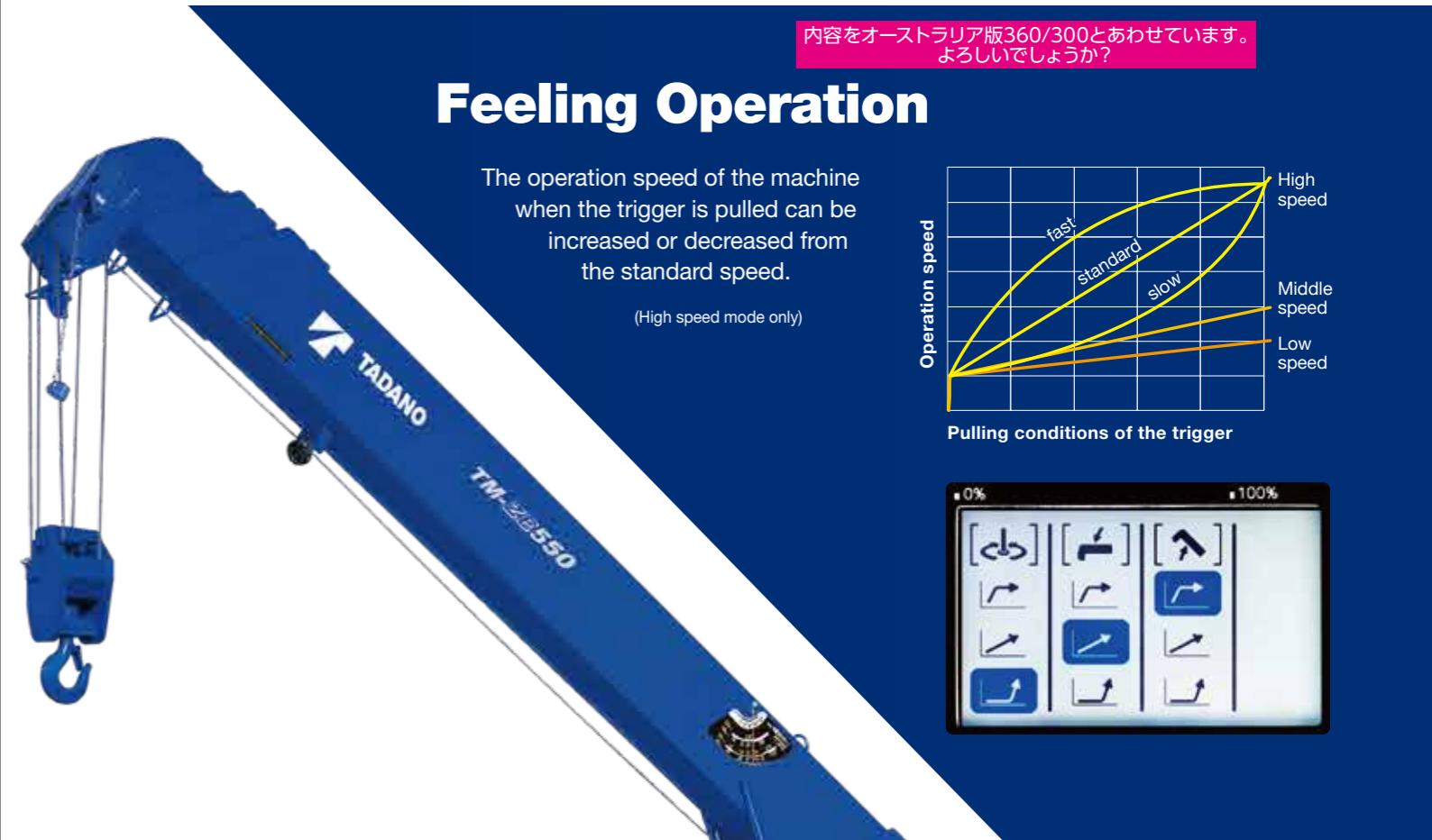
*Liquid Crystal Display

A radio controller for remotely operating the crane is provided as standard.

In addition to displaying the actual load, rated load, and moment load ratio, it also features a large-screen and power-saving color LCD display, has a feature that can customize speed adjustment for various operations, and has an emergency stop function.

The "load weight" function makes it possible to check the work progress and the load weight on the vehicle, and also prevents overloading. These features contribute not only to the safety of crane work, but also to the safety of the vehicle when it is traveling.

**The IP rating indicates waterproofness and dust protection as defined in IEC 60529. An IP66K rating indicates an exceptional level of waterproofness and dust protection ensuring peace of mind.



Working Height Limit Function

This function presets the upper limit of the boom height (stop position). This is highly effective in work sites where attention is required to the boom height, such as under power lines and indoors.



Jack Interlock

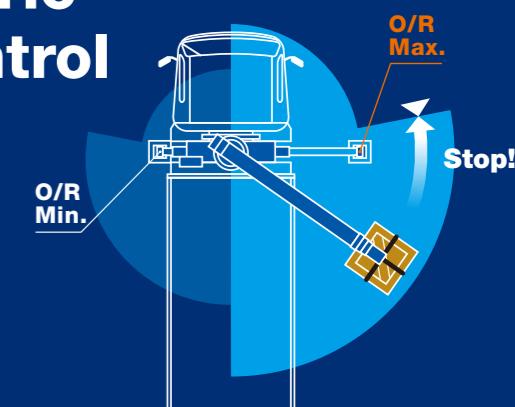
Disables crane operation when the left or right jack is not in contact with the ground.



Outriggers Asymmetric Extension Width Control

Optimum Lifting Performance at Any Outrigger Width

Constantly monitors the slewing angle and difference in outrigger extension widths. Crane motion is controlled according to the extension width of each outrigger.



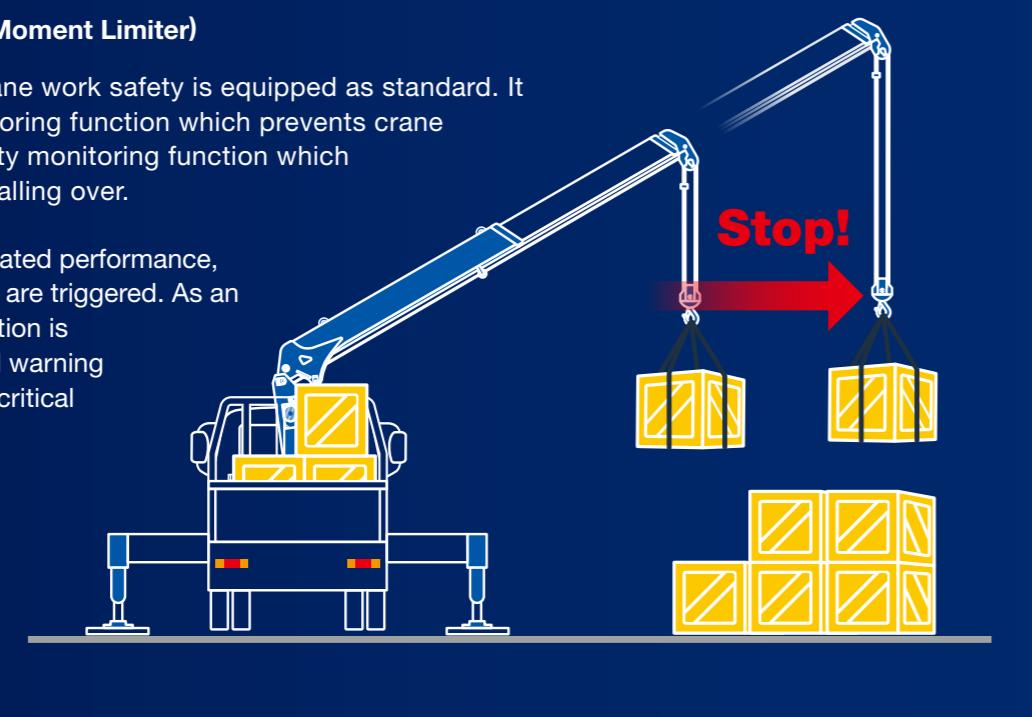
TM-ZE550HRB

Cargo Crane for Medium/Large Size Vehicles

AML (Automatic Moment Limiter)

An AML that monitors crane work safety is equipped as standard. It includes a strength monitoring function which prevents crane overloading, and a stability monitoring function which prevents the crane from falling over.

As the crane approaches rated performance, warning alarms and lamps are triggered. As an extra level of safety, operation is automatically stopped and warning alarms are triggered once critical parameters are reached.



Centralized Control Panel Equipped with Safety Lamp

The lifting chart and switches for crane operation are grouped on both sides of the control panel, and warning lights are installed at the top of the panel.

Limit warning lamp

Outrigger extension state

Indicator lamp displays the outrigger extension width.

Mode indicator

Displays the actual load, height limit value, error code, etc.



Limit Warning Lamps

The warning lights on the control panel, moment indicator in the radio controller, three-color limit warning lamp on the crane post, and warning alarm function interlinked with one another.

Radio controller



Limit warning lamp (three-color)



Centralized control panel

Powerful Heptagonal Boom

Tadano's unique heptagonal boom is made of high-tensile steel. The boom structure consists of a single piece of steel plate for lower boom weight and more powerful lifting capacity. Special valves enable smooth boom extension and retraction for smoother operation to reduce shock when telescoping the boom. The cables and sheaves are all internal - for a clean, clutter-free appearance.



Hook-in/out System

Tadano's hook-in system is equipped as standard and enhances work efficiency. During hook-out, the boom raises automatically to avoid hitting cargo.



Anti-two-block Function

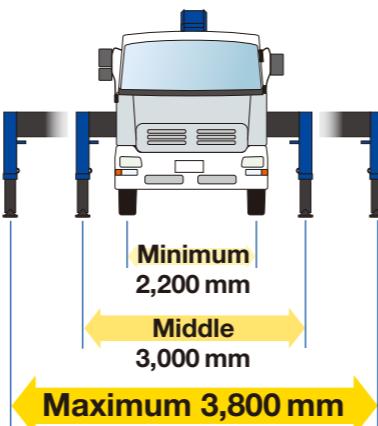
This function stops crane operation (hoisting up, boom elevation, and boom extension) when the hook block touches the weight, and warns the operator with an alarm, to prevent the hook block from hitting the boom head.

TM-ZE550HRB

Cargo Crane for Medium/Large Size Vehicles

Broader Outrigger Width

The outriggers enable to secure a three-stage extension width up to a maximum of 3.8 meters, substantially enhancing crane performance.



Emergency Stop

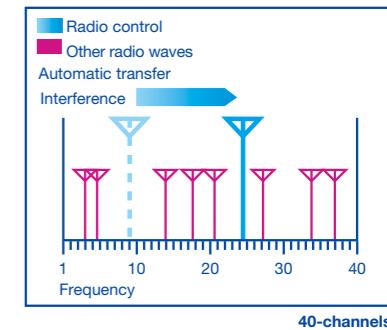
Use this switch to stop machine movement if the machine cannot be controlled during crane operation, or in an emergency. (Outrigger operation does not stop.)

On radio controller



High-powered Radio Controller

Radio Controller with powerful transmitting output automatically selects a frequency free of interference out of as many as 40 channels to avoid trouble caused by interference.



Cable Follower

The cable follower prevents disorderly cable (wire rope) winding by always pressing the cable onto the winch drum, and keeps the wire rope in the right position.

Outrigger Mechanism for Quicker Work

The outrigger beams can be easily operated, using a grip to lock or release and extend or retract them. To further ensure safety, the lock system prevents the outrigger beams from extending during traveling. A spirit level is provided as standard equipment.



TM-ZE550HRB series

Technical Specifications

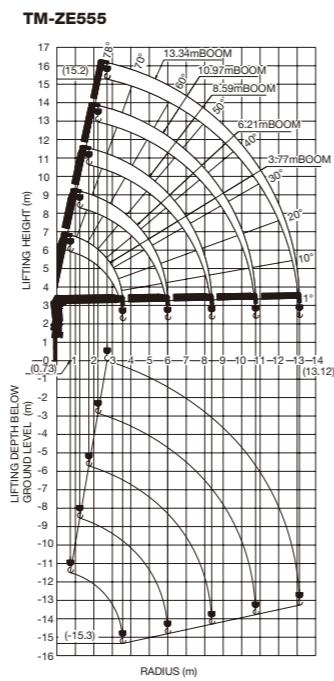
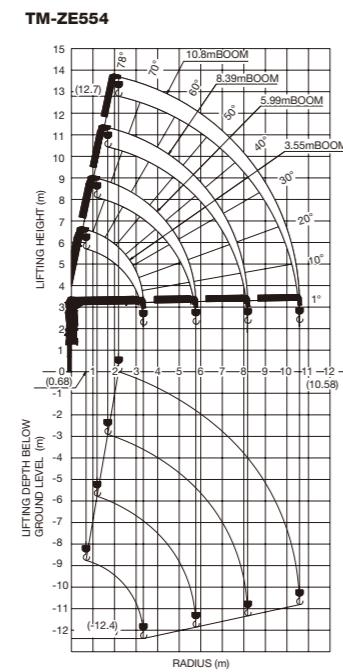
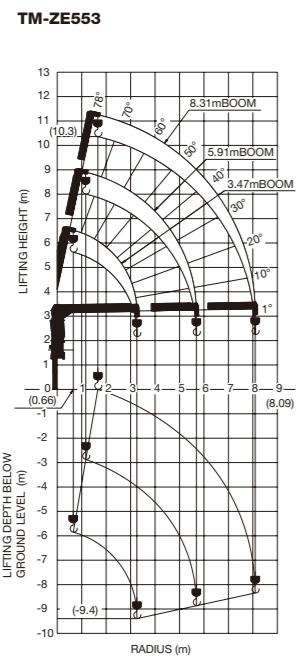
| Model | TM-ZE553HRB | TM-ZE554HRB | TM-ZE555HRB |
|-------------------------------|---|---|---|
| CRANE CAPACITY | | 5,050 kg at 2.5 m (5-part line) | |
| BOOM | Three-sectioned, fully hydraulic telescoping boom of heptagonal box construction | Four-sectioned, fully powered partly synchronized telescoping boom of heptagonal box construction | Five-sectioned, fully powered partly synchronized telescoping boom of heptagonal box construction |
| Retracted length | 3.47 m | 3.55 m | 3.77 m |
| Extended length | 8.31 m | 10.8 m | 13.34 m |
| Extending speed | 4.84 m in 18 s | 7.25 m in 21 s | 9.57 m in 25 s |
| Elevation | | Elevated by a double-acting hydraulic cylinder | |
| Raising speed | 1° to 76° in 12 s | | |
| Boom point | 3 sheaves | | |
| WINCH | Hydraulic motor driven spur gear speed reduction, provided with mechanical brake and cable follower. | | |
| Single line pull | 9.90 kN(1010 kgf) | | |
| Single line speed | 66 m/min (at 4th layer) | | |
| Wire rope (Diameter x length) | 8 mm x 67 m | 8 mm x 82 m | 8 mm x 97 m |
| Wire rope (Breaking strength) | 50.1 kN(5.1 tf) | | |
| Wire rope (Construction) | 7 x 7 + 6 x WS(26) | | |
| Hook block | 2 sheaves | | |
| HOOK BLOCK STOWING DEVICE | Hook-in (Mechanically stowed beneath boom top portion) | | |
| SLEWING | •Hydraulic motor driven worm gear speed reduction •Continuous 360° full circle slewing on ball bearing slew ring •Automatic slewing lock 2.5 min⁻¹ (rpm) | | |
| Slewing speed | | | |
| OUTRIGGERS | Manually operated beams and hydraulically operated jacks integral with crane frame. | | |
| Extension width | Min. 2,200 mm center to center(2,350 mm outer to outer), Mid. 3,000 mm center to center(3,150 mm outer to outer), Max. 3,800 mm center to center(3,950 mm outer to outer) | | |
| HYDRAULIC SYSTEM | | | |
| Hydraulic pump | Single gear pump | | |
| Hydraulic motors | Axial piston type for winch, Axial piston type for slewing. | | |
| Control valves | Multiple control valves with integral safety valve | | |
| Oil tank capacity | Approx. 57.6L | | |
| RADIO CONTROLLER | Model : RCS-F (with colored display), Control functions of telescoping, hoisting up and down, elevating, slewing, acceleration, Hook-in, Hook-out, horn, stop operation, outrigger operation and working height limit. | | |
| Frequency | 40 frequencies in 433 MHz band | | |
| Operating power supply | | | |
| Transmitter | 6V DC, Dry battery R6P (SUM-3) x 4 | | |
| Control unit | 24V DC, Vehicle battery | | |
| Transmitter mass | Approx. 670 g (includes batteries) | | |
| SAFETY DEVICES | •Anti-two-block-device •AML (Automatic Moment Limiter) <Load indication, Load moment ratio indication, Warning alarm, Rated capacity indicator/limiter, Limit warning lamp, Outrigger length detector, Outrigger asymmetric extension width control> •WHL (Working Height Limiter) •Boom angle indicator •Load indicator •Load meter •Over-unwinding prevention •Hook safety latch •Spirit level •Jack interlock •Stop switch on radio controller •Hydraulic safety valves, check valves and holding valves •Limit warning lamp (three-color) •Emergency stop switch •Boom outrigger stowed warning •Rear outrigger extension width detection | | |
| OPTIONAL EQUIPMENT | •Emergency hydraulic pump •Outrigger pads •Oil cooler •Rear outriggers (outrigger beam non-extension type) •Oil tank (120 L) | | |
| CRANE MASS | Approx. 1,550 kg (Except crane options and mounting parts.) | Approx. 1,670 kg (Except crane options and mounting parts.) | Approx. 1,840 kg (Except crane options and mounting parts.) |

Note: Each operating speeds show the value when there is no load conditions and the pump delivery is the following conditions.

•36 L/min (Slewing speed)

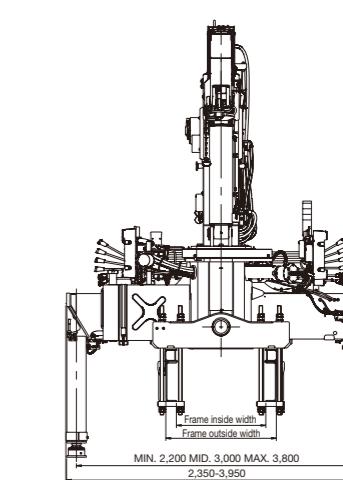
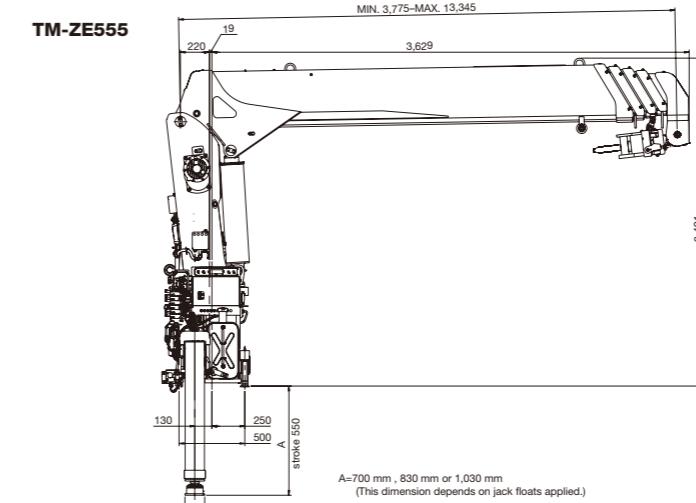
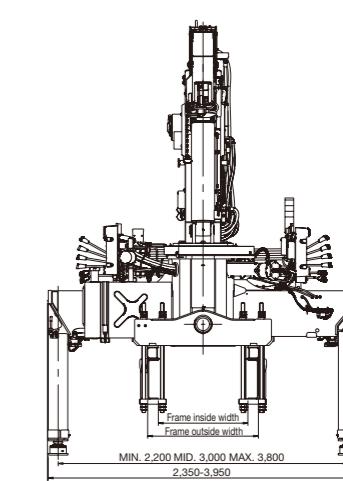
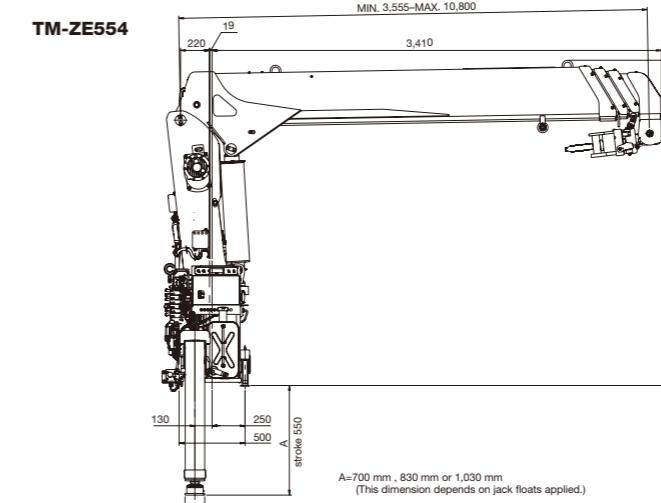
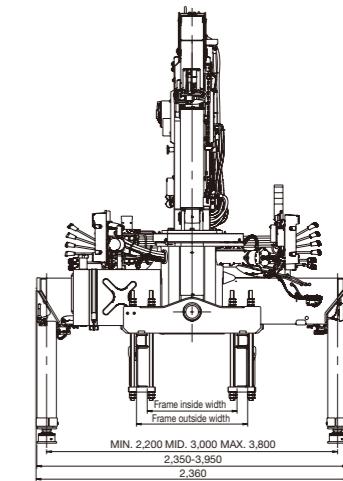
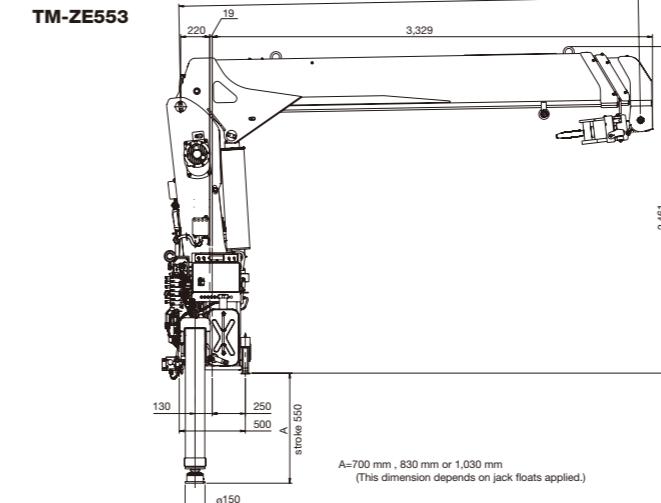
•60 L/min (•BOOM: Extending speed, Raising speed •WINCH: Single line speed)

Working Range



Note: The above lifting heights and boom angles are based on a straight (unladen) boom, and allowance should be made for boom deflection obtained under laden conditions.

Dimensions



TM-ZE550HRB series

Rated Lifting Capacities

Table A

| ● 3.47 m Boom | | | | | | | | | | |
|---|---------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| LOAD RADIUS (m) | 2.5 and below | | | 2.95 | | | 3.25 | | | |
| CRANE STRENGTH | 5,050 | | | 4,050 | | | 3,700 | | | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 5,050 | | | 3,850 | | | 3,280 | | |
| MIN. | | 2,480 | | | 2,000 | | | 1,780 | | |
| ● 5.91 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 2.6 and below | 2.8 | 2.95 | 3.8 | 4.1 | 4.5 | 5.0 | 5.5 | 5.7 | |
| CRANE STRENGTH | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,630 | 2,380 | 2,180 | 2,050 | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 4,050 | 4,050 | 3,850 | 2,680 | 2,430 | 2,030 | 1,730 | 1,430 | |
| MIN. | 2,380 | 2,130 | 2,000 | 1,330 | 1,180 | 980 | 880 | 730 | 680 | |
| ● 8.31 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 2.6 and below | 3.0 | 3.4 | 3.8 | 4.1 | 4.5 | 5.0 | 5.5 | 6.0 | |
| CRANE STRENGTH | 3,130 | 3,130 | 3,130 | 3,130 | 2,930 | 2,630 | 2,380 | 2,180 | 1,980 | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 3,130 | 3,130 | 3,130 | 2,680 | 2,430 | 2,030 | 1,730 | 1,430 | |
| MIN. | 2,380 | 1,950 | 1,530 | 1,330 | 1,180 | 980 | 880 | 730 | 630 | |
| 1,180 | 1,030 | 930 | 830 | 730 | 630 | 580 | 530 | 480 | 430 | |
| TM-ZE554HRB | | | | | | | | | | |
| ● 3.55 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | | | 2.9 | | | 3.33 | | | |
| CRANE STRENGTH | 5,050 | | | 4,050 | | | 3,550 | | | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 5,050 | | | 3,900 | | | 3,250 | | |
| MIN. | | 2,630 | | | 2,080 | | | 1,680 | | |
| ● 5.99 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | 2.8 | 2.9 | 3.7 | 4.0 | 4.5 | 5.0 | 5.5 | 5.7 | |
| CRANE STRENGTH | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,630 | 2,380 | 2,180 | 2,050 | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 4,050 | 4,050 | 3,900 | 2,800 | 2,430 | 1,980 | 1,680 | 1,380 | |
| MIN. | 2,480 | 2,130 | 2,080 | 1,380 | 1,180 | 930 | 830 | 730 | 650 | |
| ● 8.39 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 2.6 and below | 3.0 | 3.7 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | |
| CRANE STRENGTH | 3,130 | 3,130 | 3,130 | 2,930 | 2,580 | 2,330 | 2,080 | 1,930 | 1,780 | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 3,130 | 3,130 | 2,800 | 2,430 | 1,980 | 1,680 | 1,430 | 1,180 | |
| MIN. | 2,480 | 1,880 | 1,380 | 1,180 | 930 | 830 | 680 | 580 | 550 | |
| 1,180 | 1,030 | 900 | 830 | 730 | 630 | 580 | 480 | 430 | 380 | |
| ● 10.8 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 3.5 and below | 4.0 | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | |
| CRANE STRENGTH | 2,130 | 2,130 | 2,130 | 2,030 | 1,780 | 1,530 | 1,380 | 1,200 | 1,050 | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 2,130 | 2,130 | 1,980 | 1,630 | 1,180 | 1,000 | 800 | 680 | |
| MIN. | 1,480 | 1,180 | 930 | 780 | 580 | 450 | 380 | 330 | 270 | |
| TM-ZE555HRB | | | | | | | | | | |
| ● 3.77 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | | | 2.8 | | | 3.55 | | | |
| CRANE STRENGTH | 5,050 | | | 4,050 | | | 3,150 | | | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 5,050 | | | 4,050 | | | 2,950 | | |
| MIN. | | 2,580 | | | 2,200 | | | 1,430 | | |
| ● 6.21 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | 2.8 | 3.6 | 3.9 | 4.5 | 5.0 | 5.5 | 5.9 | 6.2 | |
| CRANE STRENGTH | 4,050 | 4,050 | 3,130 | 2,930 | 2,530 | 2,230 | 2,030 | 1,980 | 1,780 | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 4,050 | 4,050 | 2,930 | 2,530 | 1,930 | 1,630 | 1,380 | 1,130 | |
| MIN. | 2,580 | 2,200 | 1,380 | 1,180 | 930 | 730 | 630 | 580 | 500 | |
| ● 8.59 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | 3.0 | 3.4 | 3.6 | 3.9 | 4.5 | 5.0 | 5.5 | 5.9 | |
| CRANE STRENGTH | 3,130 | 3,130 | 3,130 | 3,130 | 2,930 | 2,530 | 2,230 | 1,980 | 1,780 | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 3,130 | 3,130 | 3,130 | 2,930 | 2,530 | 1,930 | 1,630 | 1,380 | |
| MIN. | 2,580 | 1,980 | 1,530 | 1,380 | 1,180 | 930 | 730 | 630 | 500 | |
| ● 10.97 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 4.0 and below | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 10.5 | |
| CRANE STRENGTH | 2,230 | 2,180 | 2,030 | 1,730 | 1,430 | 1,230 | 1,080 | 980 | 900 | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 2,230 | 1,930 | 1,580 | 1,130 | 900 | 700 | 550 | 500 | |
| ● 13.34 m Boom | | | | | | | | | | |
| LOAD RADIUS (m) | 5.0 and below | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | |
| CRANE STRENGTH | 1,430 | 1,330 | 1,230 | 1,080 | 980 | 880 | 800 | 730 | 650 | |
| EMPTY CHASSIS Extension width of outriggers | MAX. | 1,430 | 1,180 | 980 | 730 | 550 | 500 | 400 | 340 | |

Table

| TM-ZE553HRB | | | | | | | | | |
|-------------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| ● 3.47 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | | | 2.95 | | | 3.25 | | |
| CRANE STRENGTH | 5,050 | | | 4,050 | | | 3,700 | | |
| EMPTY CHASSIS | 5,050 | | | 4,050 | | | 3,650 | | |
| Extension width of outriggers | MAX. MIN. | | | 2,980 | | | 2,330 | | |
| ● 5.91 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 2.6 and below | 2.8 | 2.95 | 3.8 | 4.1 | 4.5 | 5.0 | 5.5 | 5.69 |
| CRANE STRENGTH | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,630 | 2,380 | 2,180 | 2,080 |
| EMPTY CHASSIS | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,480 | 2,080 | 1,780 | 1,680 |
| Extension width of outriggers | MAX. MIN. | 2,730 | 2,500 | 2,330 | 1,580 | 1,430 | 1,230 | 1,030 | 930 |
| ● 8.31 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 2.6 and below | 3.0 | 3.4 | 3.8 | 4.1 | 4.5 | 5.0 | 5.5 | 8.09 |
| CRANE STRENGTH | 3,130 | 3,130 | 3,130 | 3,130 | 2,930 | 2,630 | 2,380 | 2,180 | 1,830 |
| EMPTY CHASSIS | 3,130 | 3,130 | 3,130 | 3,130 | 2,930 | 2,480 | 2,080 | 1,780 | 1,530 |
| Extension width of outriggers | MAX. MIN. | 2,730 | 2,280 | 1,930 | 1,580 | 1,430 | 1,230 | 1,030 | 930 |
| TM-ZE554HRB | | | | | | | | | |
| ● 3.55 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | | | 2.9 | | | 3.33 | | |
| CRANE STRENGTH | 5,050 | | | 4,050 | | | 3,550 | | |
| EMPTY CHASSIS | 5,050 | | | 4,050 | | | 3,550 | | |
| Extension width of outriggers | MAX. MIN. | | | 2,880 | | | 2,380 | | |
| ● 5.99 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 2.6 and below | 2.8 | 2.9 | 3.7 | 4.0 | 4.5 | 5.0 | 5.5 | 5.77 |
| CRANE STRENGTH | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,580 | 2,330 | 2,580 | 2,330 |
| EMPTY CHASSIS | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,930 | 2,430 | 2,030 | 1,630 |
| Extension width of outriggers | MAX. MIN. | 2,750 | 2,500 | 2,380 | 1,580 | 1,430 | 1,180 | 980 | 780 |
| ● 8.39 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 2.6 and below | 3.0 | 3.7 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 8.17 |
| CRANE STRENGTH | 3,130 | 3,130 | 3,130 | 2,930 | 2,580 | 2,330 | 2,080 | 1,930 | 1,780 |
| EMPTY CHASSIS | 3,130 | 3,130 | 3,130 | 2,930 | 2,430 | 2,030 | 1,730 | 1,480 | 1,380 |
| Extension width of outriggers | MAX. MIN. | 2,750 | 2,280 | 1,580 | 1,430 | 1,180 | 980 | 830 | 680 |
| CRANE STRENGTH | 2,130 | 2,130 | 2,130 | 2,030 | 1,780 | 1,530 | 1,380 | 1,200 | 1,050 |
| EMPTY CHASSIS | 2,130 | 2,130 | 2,130 | 1,980 | 1,480 | 1,180 | 950 | 880 | 730 |
| Extension width of outriggers | MAX. MIN. | 1,730 | 1,430 | 1,180 | 930 | 730 | 580 | 480 | 350 |
| ● 10.8 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 3.5 and below | 4.0 | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.58 |
| CRANE STRENGTH | 2,130 | 2,130 | 2,130 | 2,030 | 1,780 | 1,530 | 1,380 | 1,200 | 1,050 |
| EMPTY CHASSIS | 2,130 | 2,130 | 2,130 | 1,980 | 1,480 | 1,180 | 950 | 880 | 730 |
| Extension width of outriggers | MAX. MIN. | 1,730 | 1,430 | 1,180 | 930 | 730 | 580 | 480 | 350 |
| TM-ZE555HRB | | | | | | | | | |
| ● 3.77 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | | | 2.8 | | | 3.55 | | |
| CRANE STRENGTH | 5,050 | | | 4,050 | | | 3,150 | | |
| EMPTY CHASSIS | 5,050 | | | 4,050 | | | 3,150 | | |
| Extension width of outriggers | MAX. MIN. | | | 3,130 | | | 2,600 | | |
| ● 6.21 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | 2.8 | 3.6 | 3.9 | 4.5 | 5.0 | 5.5 | 5.99 | |
| CRANE STRENGTH | 4,050 | 4,050 | 3,130 | 2,930 | 2,530 | 2,230 | 1,980 | 1,780 | |
| EMPTY CHASSIS | 4,050 | 4,050 | 3,130 | 2,930 | 2,430 | 1,980 | 1,680 | 1,430 | |
| Extension width of outriggers | MAX. MIN. | 3,130 | 2,600 | 1,680 | 1,430 | 1,130 | 930 | 780 | 650 |
| ● 8.59 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 2.5 and below | 3.0 | 3.4 | 3.6 | 3.9 | 4.5 | 5.0 | 5.5 | 8.37 |
| CRANE STRENGTH | 3,130 | 3,130 | 3,130 | 2,930 | 2,530 | 2,230 | 1,980 | 1,780 | |
| EMPTY CHASSIS | 3,130 | 3,130 | 3,130 | 2,930 | 2,430 | 1,980 | 1,680 | 1,430 | |
| Extension width of outriggers | MAX. MIN. | 3,130 | 2,280 | 1,850 | 1,680 | 1,430 | 1,130 | 930 | 780 |
| ● 10.97 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 4.0 and below | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 10.75 |
| CRANE STRENGTH | 2,230 | 2,180 | 2,030 | 1,730 | 1,430 | 1,230 | 1,080 | 980 | 900 |
| EMPTY CHASSIS | 2,230 | 2,180 | 1,930 | 1,430 | 1,130 | 880 | 730 | 650 | 580 |
| ● 13.34 m Boom | | | | | | | | | |
| LOAD RADIUS (m) | 5.0 and below | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.12 |
| CRANE STRENGTH | 1,430 | 1,330 | 1,230 | 1,080 | 980 | 880 | 800 | 730 | 650 |
| EMPTY CHASSIS | 1,430 | 1,330 | 1,230 | 1,080 | 980 | 880 | 730 | 650 | 580 |

Table C

| 1-ZE553HRB | | | | | | | | | |
|---|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4.47 m Boom | | | | | | | | | |
| AD RADIUS (m) | 2.5 and below | | | 2.95 | | | 3.25 | | |
| ANE STRENGTH | 5,050 | | | 4,050 | | | 3,700 | | |
| Extension MAX. SSS width of outriggers MIN. | 5,050 | | | 4,050 | | | 3,700 | | |
| ANE STRENGTH | 5,050 | | | 3,230 | | | 2,730 | | |
| 5.91 m Boom | | | | | | | | | |
| AD RADIUS (m) | 2.6 and below | 2.8 | 2.95 | 3.8 | 4.1 | 4.5 | 5.0 | 5.5 | 5.69 |
| ANE STRENGTH | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,630 | 2,380 | 2,180 | 2,080 |
| Extension MAX. SSS width of outriggers MIN. | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,630 | 2,380 | 2,130 | 2,030 |
| ANE STRENGTH | 3,130 | 2,900 | 2,730 | 1,830 | 1,630 | 1,430 | 1,180 | 1,030 | 980 |
| 6.31 m Boom | | | | | | | | | |
| AD RADIUS (m) | 2.6 and below | 3.0 | 3.4 | 3.8 | 4.1 | 4.5 | 5.0 | 5.5 | 6.09 |
| ANE STRENGTH | 3,130 | 3,130 | 3,130 | 3,130 | 2,930 | 2,630 | 2,380 | 2,180 | 1,980 |
| Extension MAX. SSS width of outriggers MIN. | 3,130 | 3,130 | 3,130 | 3,130 | 2,930 | 2,630 | 2,380 | 2,130 | 1,930 |
| ANE STRENGTH | 3,130 | 2,680 | 2,230 | 1,830 | 1,630 | 1,430 | 1,180 | 1,030 | 900 |
| 1-ZE554HRB | | | | | | | | | |
| 5.55 m Boom | | | | | | | | | |
| AD RADIUS (m) | 2.5 and below | | | 2.9 | | | 3.33 | | |
| ANE STRENGTH | 5,050 | | | 4,050 | | | 3,550 | | |
| Extension MAX. SSS width of outriggers MIN. | 5,050 | | | 4,050 | | | 3,550 | | |
| ANE STRENGTH | 3,280 | | | 2,750 | | | 2,280 | | |
| 5.99 m Boom | | | | | | | | | |
| AD RADIUS (m) | 2.6 and below | 2.8 | 2.9 | 3.7 | 4.0 | 4.5 | 5.0 | 5.5 | 5.77 |
| ANE STRENGTH | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,580 | 2,330 | 2,330 | 2,030 |
| Extension MAX. SSS width of outriggers MIN. | 4,050 | 4,050 | 4,050 | 3,130 | 2,930 | 2,580 | 2,330 | 2,330 | 2,030 |
| ANE STRENGTH | 3,130 | 2,880 | 2,750 | 1,870 | 1,630 | 1,380 | 1,130 | 930 | 930 |
| 6.39 m Boom | | | | | | | | | |
| AD RADIUS (m) | 2.6 and below | 3.0 | 3.7 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.17 |
| ANE STRENGTH | 3,130 | 3,130 | 3,130 | 2,930 | 2,580 | 2,330 | 2,080 | 1,930 | 1,780 |
| Extension MAX. SSS width of outriggers MIN. | 3,130 | 3,130 | 3,130 | 2,930 | 2,580 | 2,330 | 2,080 | 1,830 | 1,780 |
| ANE STRENGTH | 3,130 | 2,630 | 1,870 | 1,630 | 1,380 | 1,130 | 930 | 830 | 780 |
| Extension MAX. SSS width of outriggers MIN. | 3,130 | 2,630 | 1,870 | 1,630 | 1,380 | 1,130 | 930 | 830 | 780 |
| 6.80 m Boom | | | | | | | | | |
| AD RADIUS (m) | 3.5 and below | 4.0 | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 |
| ANE STRENGTH | 2,130 | 2,130 | 2,130 | 2,030 | 1,780 | 1,530 | 1,380 | 1,200 | 1,050 |
| Extension MAX. SSS width of outriggers MIN. | 2,130 | 2,130 | 2,130 | 2,030 | 1,780 | 1,480 | 1,200 | 1,030 | 900 |
| ANE STRENGTH | 1,930 | 1,630 | 1,330 | 1,080 | 780 | 730 | 550 | 500 | 430 |
| 1-ZE555HRB | | | | | | | | | |
| 5.77 m Boom | | | | | | | | | |
| AD RADIUS (m) | 2.5 and below | | | 2.8 | | | 3.55 | | |
| ANE STRENGTH | 5,050 | | | 4,050 | | | 3,150 | | |
| Extension MAX. SSS width of outriggers MIN. | 5,050 | | | 4,050 | | | 3,150 | | |
| ANE STRENGTH | 3,130 | | | 2,800 | | | 1,930 | | |
| 6.21 m Boom | | | | | | | | | |
| AD RADIUS (m) | 2.5 and below | 2.8 | 3.6 | 3.9 | 4.5 | 5.0 | 5.5 | 5.99 | |
| ANE STRENGTH | 4,050 | 4,050 | 3,130 | 2,930 | 2,530 | 2,230 | 1,980 | 1,780 | |
| Extension MAX. SSS width of outriggers MIN. | 4,050 | 4,050 | 3,130 | 2,930 | 2,530 | 2,230 | 1,980 | 1,730 | |
| ANE STRENGTH | 3,130 | 2,800 | 1,880 | 1,630 | 1,330 | 1,080 | 930 | 780 | |
| 6.59 m Boom | | | | | | | | | |
| AD RADIUS (m) | 2.5 and below | 3.0 | 3.4 | 3.6 | 3.9 | 4.5 | 5.0 | 5.5 | 8.37 |
| ANE STRENGTH | 3,130 | 3,130 | 3,130 | 3,130 | 2,930 | 2,530 | 2,230 | 1,980 | 1,780 |
| Extension MAX. SSS width of outriggers MIN. | 3,130 | 2,580 | 2,100 | 1,880 | 1,630 | 1,330 | 1,080 | 930 | 780 |
| ANE STRENGTH | 3,130 | 2,580 | 2,100 | 1,880 | 1,630 | 1,330 | 1,080 | 930 | 780 |
| 6.97 m Boom | | | | | | | | | |
| AD RADIUS (m) | 4.0 and below | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 10.75 |
| ANE STRENGTH | 2,230 | 2,180 | 2,030 | 1,730 | 1,430 | 1,230 | 1,080 | 980 | 900 |
| Extension width of outriggers MAX. | 2,230 | 2,180 | 2,030 | 1,730 | 1,400 | 1,100 | 950 | 800 | 730 |
| 7.34 m Boom | | | | | | | | | |
| AD RADIUS (m) | 5.0 and below | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.12 |
| ANE STRENGTH | 1,430 | 1,330 | 1,230 | 1,080 | 980 | 880 | 800 | 730 | 650 |
| Extension width of outriggers MAX. | 1,430 | 1,330 | 1,230 | 1,080 | 980 | 880 | 800 | 730 | 650 |

Table D

| ZE553HRB | | | | | | | | | | | | | |
|-------------------------------|---------------|-------|--|-------|-------|-------|-------|-------|-------|--|--|--|--|
| 47 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 2.5 and below | | | 2.95 | | | 3.25 | | | | | | |
| NE STRENGTH | 5,050 | | | 4,050 | | | 3,700 | | | | | | |
| Extension width of outriggers | MAX. | 5,050 | | | 4,050 | | | 3,700 | | | | | |
| MIN. | | 3,430 | | | 2,730 | | | 2,430 | | | | | |
| 31 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 2.6 and below | | | 2.8 | 2.95 | 3.8 | 4.1 | 4.5 | 5.0 | | | | |
| NE STRENGTH | 4,050 | | | 4,050 | 3,130 | 2,930 | 2,630 | 2,630 | 2,380 | | | | |
| Extension width of outriggers | MAX. | 4,050 | | | 4,050 | 3,130 | 2,930 | 2,630 | 2,380 | | | | |
| MIN. | | 3,230 | | | 2,900 | 2,730 | 1,830 | 1,630 | 1,430 | | | | |
| 2.130 | | | | | | | | | | | | | |
| NE STRENGTH | 3,130 | | | 3,130 | 3,130 | 3,130 | 2,930 | 2,630 | 2,380 | | | | |
| Extension width of outriggers | MAX. | 3,130 | | | 3,130 | 3,130 | 2,930 | 2,630 | 2,380 | | | | |
| MIN. | | 3,130 | | | 2,680 | 2,230 | 1,830 | 1,630 | 1,430 | | | | |
| ZE554HRB | | | | | | | | | | | | | |
| 55 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 2.5 and below | | | 2.9 | | | 3.33 | | | | | | |
| NE STRENGTH | 5,050 | | | 4,050 | | | 3,550 | | | | | | |
| Extension width of outriggers | MAX. | 5,050 | | | 4,050 | | | 3,550 | | | | | |
| MIN. | | 3,380 | | | 2,750 | | | 2,280 | | | | | |
| 39 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 2.6 and below | | | 2.8 | 2.9 | 3.7 | 4.0 | 4.5 | 5.0 | | | | |
| NE STRENGTH | 4,050 | | | 4,050 | 3,130 | 2,930 | 2,630 | 2,580 | 2,330 | | | | |
| Extension width of outriggers | MAX. | 4,050 | | | 4,050 | 3,130 | 2,930 | 2,580 | 2,330 | | | | |
| MIN. | | 3,230 | | | 2,900 | 2,750 | 1,870 | 1,630 | 1,380 | | | | |
| 1,130 | | | | | | | | | | | | | |
| NE STRENGTH | 3,130 | | | 3,130 | 3,130 | 2,930 | 2,580 | 2,330 | 2,030 | | | | |
| Extension width of outriggers | MAX. | 3,130 | | | 3,130 | 3,130 | 2,930 | 2,580 | 2,330 | | | | |
| MIN. | | 3,130 | | | 2,630 | 1,870 | 1,630 | 1,380 | 930 | | | | |
| 3.8 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 3.5 and below | | | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | | | | |
| NE STRENGTH | 2,130 | | | 2,130 | 2,030 | 1,780 | 1,530 | 1,380 | 1,200 | | | | |
| Extension width of outriggers | MAX. | 2,130 | | | 2,130 | 2,030 | 1,780 | 1,530 | 1,050 | | | | |
| MIN. | | 1,930 | | | 1,630 | 1,330 | 1,080 | 780 | 730 | | | | |
| 1,000 | | | | | | | | | | | | | |
| NE STRENGTH | 2,130 | | | 2,130 | 2,030 | 1,780 | 1,530 | 1,380 | 1,000 | | | | |
| Extension width of outriggers | MAX. | 2,130 | | | 2,130 | 2,030 | 1,780 | 1,530 | 1,000 | | | | |
| MIN. | | 1,930 | | | 1,630 | 1,330 | 1,080 | 780 | 730 | | | | |
| ZE555HRB | | | | | | | | | | | | | |
| 47 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 2.5 and below | | | 2.8 | | | 3.55 | | | | | | |
| NE STRENGTH | 5,050 | | | 4,050 | | | 3,150 | | | | | | |
| Extension width of outriggers | MAX. | 5,050 | | | 4,050 | | | 3,150 | | | | | |
| MIN. | | 3,380 | | | 2,800 | | | 1,930 | | | | | |
| 21 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 2.5 and below | | | 2.8 | 3.6 | 3.9 | 4.5 | 5.0 | 5.5 | | | | |
| NE STRENGTH | 4,050 | | | 4,050 | 3,130 | 2,930 | 2,530 | 2,230 | 1,980 | | | | |
| Extension width of outriggers | MAX. | 4,050 | | | 4,050 | 3,130 | 2,930 | 2,530 | 1,980 | | | | |
| MIN. | | 3,380 | | | 2,800 | 1,880 | 1,630 | 1,330 | 1,080 | | | | |
| 930 | | | | | | | | | | | | | |
| NE STRENGTH | 3,130 | | | 3,130 | 3,130 | 2,930 | 2,530 | 2,230 | 1,780 | | | | |
| Extension width of outriggers | MAX. | 3,130 | | | 3,130 | 3,130 | 2,930 | 2,530 | 1,780 | | | | |
| MIN. | | 3,130 | | | 2,580 | 2,100 | 1,880 | 1,630 | 1,330 | | | | |
| 59 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 2.5 and below | | | 3.0 | 3.4 | 3.6 | 3.9 | 4.5 | 5.0 | | | | |
| NE STRENGTH | 2,130 | | | 2,130 | 2,030 | 1,780 | 1,530 | 1,380 | 1,200 | | | | |
| Extension width of outriggers | MAX. | 2,130 | | | 2,130 | 2,030 | 1,780 | 1,530 | 1,050 | | | | |
| MIN. | | 1,930 | | | 1,630 | 1,330 | 1,080 | 780 | 730 | | | | |
| 1,000 | | | | | | | | | | | | | |
| NE STRENGTH | 2,130 | | | 2,130 | 2,030 | 1,780 | 1,530 | 1,380 | 1,000 | | | | |
| Extension width of outriggers | MAX. | 2,130 | | | 2,130 | 2,030 | 1,780 | 1,530 | 1,000 | | | | |
| MIN. | | 1,930 | | | 1,630 | 1,330 | 1,080 | 780 | 730 | | | | |
| 3.97 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 4.0 and below | | | 4.5 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | | | | |
| NE STRENGTH | 2,230 | | | 2,180 | 2,030 | 1,730 | 1,430 | 1,230 | 1,080 | | | | |
| Extension width of outriggers | MAX. | 2,230 | | | 2,180 | 2,030 | 1,730 | 1,430 | 1,230 | | | | |
| MIN. | | 1,430 | | | 1,330 | 1,230 | 1,080 | 980 | 800 | | | | |
| 900 | | | | | | | | | | | | | |
| NE STRENGTH | 2,230 | | | 2,180 | 2,030 | 1,730 | 1,430 | 1,230 | 1,080 | | | | |
| Extension width of outriggers | MAX. | 2,230 | | | 2,180 | 2,030 | 1,730 | 1,430 | 1,230 | | | | |
| MIN. | | 1,430 | | | 1,330 | 1,230 | 1,080 | 980 | 800 | | | | |
| 3.4 m Boom | | | | | | | | | | | | | |
| D RADIUS (m) | 5.0 and below | | | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | | | | |
| NE STRENGTH | 1,430 | | | 1,330 | 1,230 | 1,080 | 980 | 880 | 800 | | | | |
| Extension width of outriggers | MAX. | 1,430 | | | 1,330 | 1,230 | 1,080 | 980 | 800 | | | | |
| MIN. | | 1,430 | | | 1,330 | 1,230 | 1,080 | 980 | 800 | | | | |
| 650 | | | | | | | | | | | | | |
| NE STRENGTH | 1,430 | | | 1,330 | 1,230 | 1,080 | 980 | 880 | 800 | | | | |
| Extension width of outriggers | MAX. | 1,430 | | | 1,330 | 1,230 | 1,080 | 980 | 800 | | | | |
| MIN. | | 1,430 | | | 1,330 | 1,230 | 1,080 | 980 | 800 | | | | |

Notes

- Notes:**

 1. Rated capacity indicator issues warning with the limit warning lamp and the buzzer the working state approaches the empty chassis rated lifting capacity. If the limit alarm is issued, stop operation immediately.
 2. When the AML is equipped with the rated capacity limiter, an operation stops automatically if the empty chassis rated lifting capacity is exceeded.
 3. Empty Chassis Rated Capacities in these tables depend on condition that crane is set level on firm level ground.
 4. This value includes the mass of lifting devices such as hook block (45kg).
 5. When the outriggers are extended to the middle width, read the capacities rated for the minimum extension width.
 6. This load radius shows actual load radius which includes boom deflection.
 7. If the boom length exceeds the table value even a little, the performance is limited to the performance of the next boom length.

8. Empty chassis rated lifting capacity varies according to the working area.

- Front mounting <over-side, over-rear area> : 100%
 <over-front area> : 25% (*1) or 60% (*1) or 100% (*1)
- Rear mounting <over-front, over-rear area> : 100%
 <over-side area> : 30%

*1: Depend on the types of chassis.

9. Empty Chassis Rated Capacities table A, B, C and D depend on the types of chassis. (The following table shows guidelines for bodywork vehicles that can achieve the rated lifting capacity tables A, B, C and D for vehicles. The rated lifting capacity may not be applicable depending on vehicle specifications. Be sure to carry out a stability inspection to determine which rated lifting capacity tables apply.)

