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**TRUCK LOADER CRANES**

# TM-ZE550HRS Series

**TM-ZE553HRS**

**TM-ZE554HRS**

**TM-ZE555HRS**



Reaching new heights





# Tadano quality: advanced safety and power in a single package

The TM-ZE550HRS is a more powerful crane that comes with the sophisticated, high-quality Safety Eyes system as standard equipment. It delivers greater safety and peace of mind.

## TM-ZE550HRS



**Safety Eyes** See p. 3

### 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.

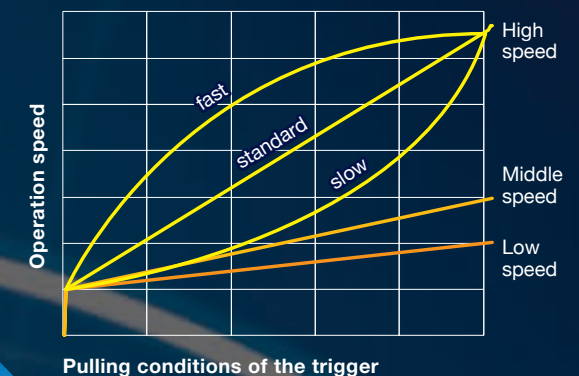


**WATER-  
PROOFNESS  
[IP66K\*\*]**

Stop Switch

### Feeling Operation

The operation speed of the machine when the trigger is pulled can be increased or decreased from the standard speed.





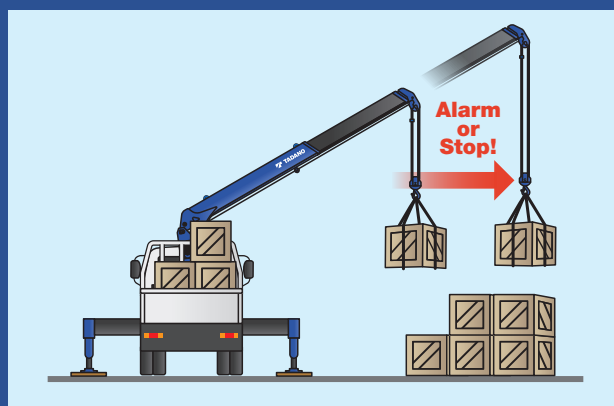


## AML (Automatic Moment Limiter)

The HS and HRS Series are equipped with an AML that monitors crane work safety. It includes a strength monitoring function which prevents crane overloading, and a stability monitoring function which prevents the crane from tipping over.

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

This system supports safety and ease-of-use for the operator.



## Safety Eyes

Achieves improvements to both safety and performance.

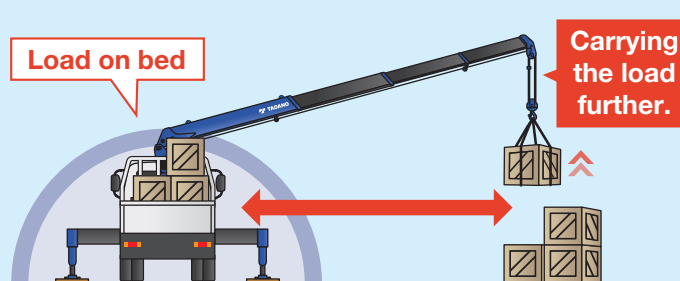
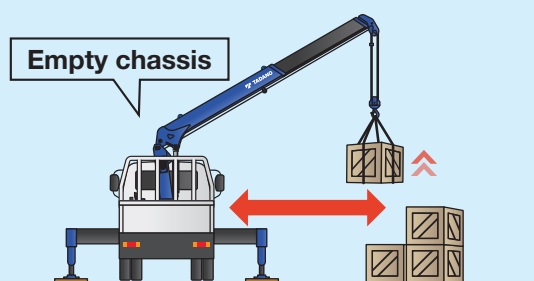
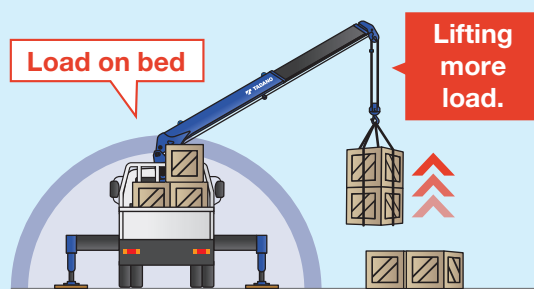
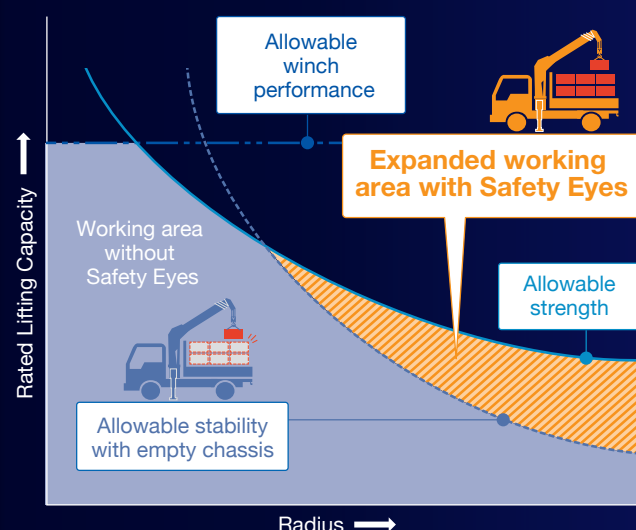
In addition to the AML monitoring system, the ground contact reaction force of the jacks is monitored at all times, enabling improved performance when a load is present compared to when the vehicle is empty. According to the payload (stability), Safety Eyes calculates automatically and limits crane operation in order to prevent the crane from tipping over.

\* Depending on the regulations in each country, the regular Eyes specifications with the AML only may be provided in some cases.

Take a closer look



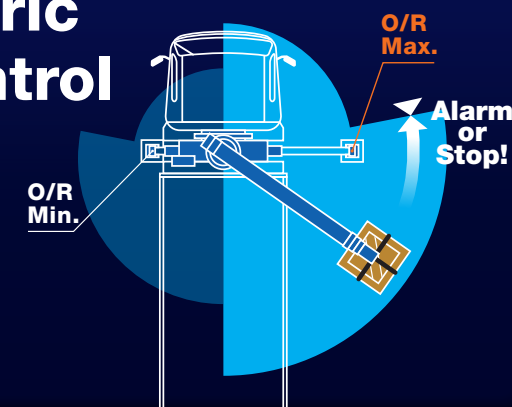
### Expanded performance curve with Safety Eyes



## Outriggers Asymmetric Extension Width Control

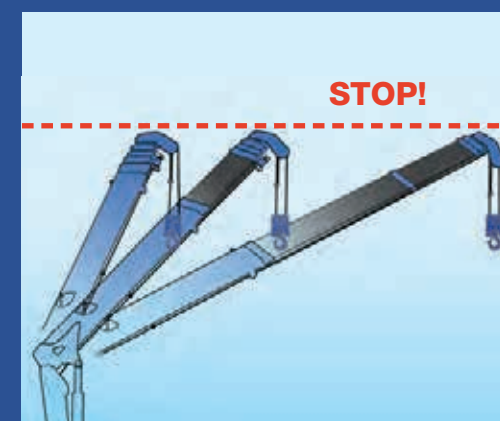
### Optimum Lifting Performance at Any Outrigger Width

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



## 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.



## 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.



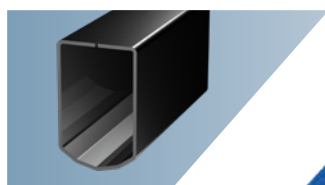
## Limit Warning Lamps

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.



## 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.



## Stop Switch

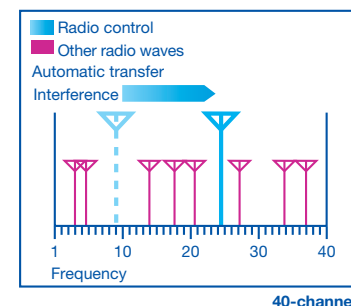
Use this switch to stop machine movement if the machine cannot be controlled during crane operation, or in an emergency. (Outrigger operation does not stop.)



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.



## 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.

## Automatic Slewing Lock System

This system prevents accidental boom slewing when no slewing operation takes place.

## Cable Follower

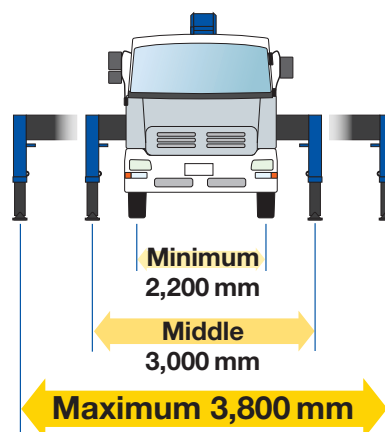
The cable follower prevents disorderly cable (wire rope) winding by always pressing the cable onto the winch drum, and keeps the wire rope in the right position.

# TM-ZE550HRS

## Truck Loader 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.



## 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.



Spirit Level



Lock System





TM-ZE550HRS series

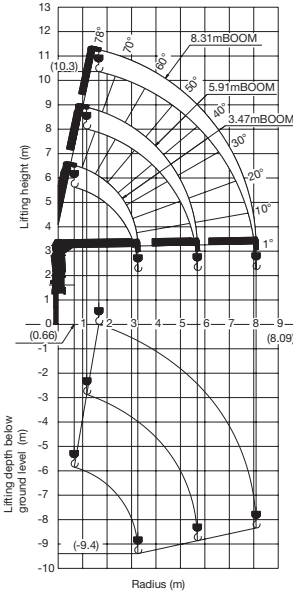
Technical Specifications

Model	TM-ZE553HRS		TM-ZE554HRS	TM-ZE555HRS
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 78° 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 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			
Slewing speed	2.5 min <sup>-1</sup> {rpm}			
OUTRIGGERS	Manually operated beams and hydraulically operated jacks integral with crane frame.			
Extension width	Min. 2,200 mm center to center(2,360 mm outer to outer), Mid. 3,000 mm center to center(3,160 mm outer to outer), Max. 3,800 mm center to center(3,960 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 or Rated capacity indicator, 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			
OPTIONAL EQUIPMENT	•Emergency hydraulic pump •Outrigger pads •Oil cooler •Tiltable jack float •Rear outriggers (outrigger beam non-extension type)			
CRANE MASS	Approx. 1,520 kg (Except crane options and mounting parts.)	Approx. 1,640 kg (Except crane options and mounting parts.)	Approx. 1,810 kg (Except crane options and mounting parts.)	

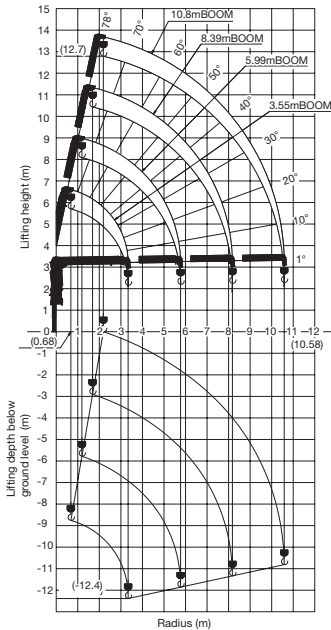
Note: Each operating speeds show the value when there is no load conditions and the pump delivery is the following conditions.  
•36 L/min (Slewing speed)  
•60 L/min (•BOOM: Extending speed, Raising speed •WINCH: Single line speed)

Working Range

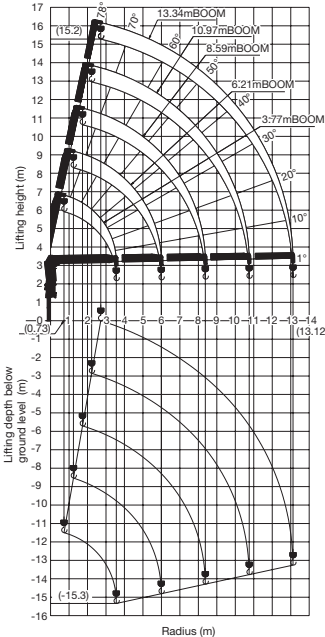
TM-ZE553



TM-ZE554



TM-ZE555

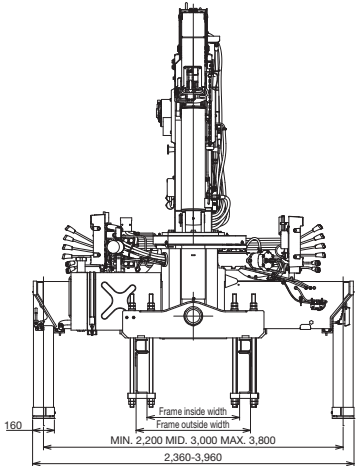
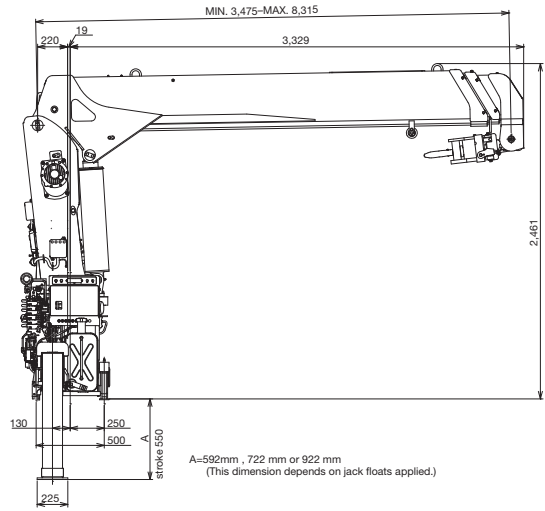


Note: The above lifting heights and boom angles are based on a straight (unladen) boom, and allowance should be made for boom deflection obtained under laden conditions.

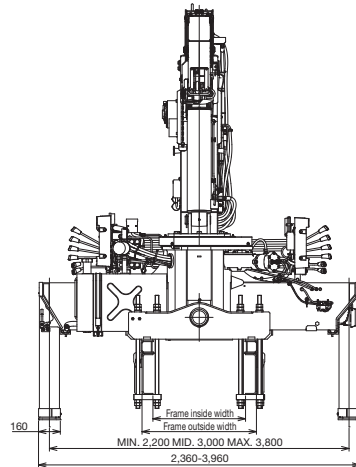
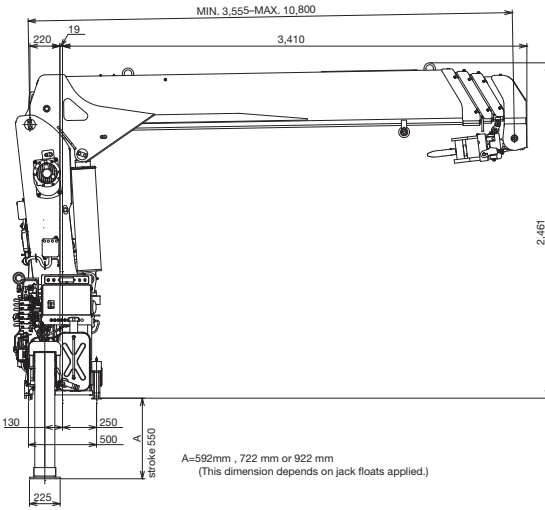
Dimensions

(mm)

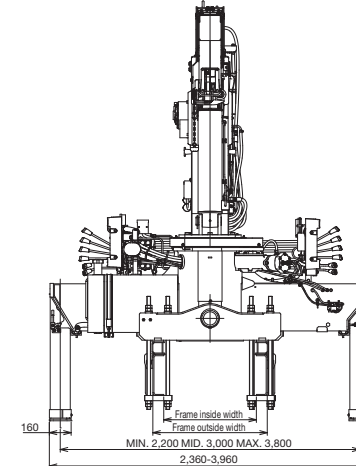
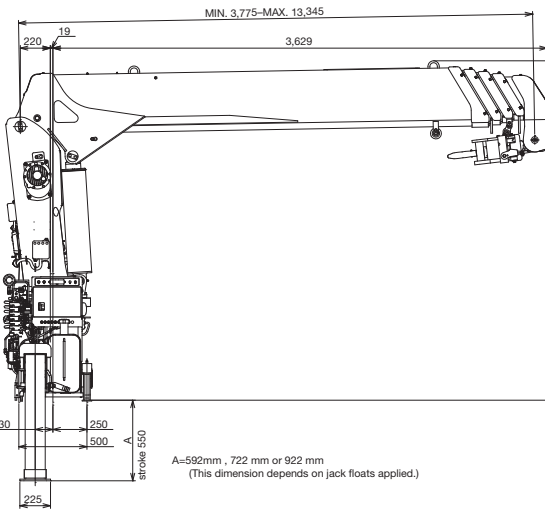
TM-ZE553



TM-ZE554



TM-ZE555



\*Actual specifications may differ.

# TM-ZE550HRS series

## Rated Lifting Capacities

Table A															
TM-ZE553HRS															
● 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	5.69					
CRANE STRENGTH		4,050	4,050	4,050	3,130	2,930	2,630	2,380	2,180	2,080					
EMPTY CHASSIS	Extension width of outriggers	MAX.	4,050	4,050	3,850	2,680	2,430	2,030	1,730	1,430	1,380				
		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	6.5	7.0	7.5	8.09	
CRANE STRENGTH		3,130	3,130	3,130	3,130	2,930	2,630	2,380	2,180	1,980	1,830	1,680	1,530	1,430	
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	2,680	2,430	2,030	1,730	1,430	1,330	1,180	1,030	930	830
		MIN.	2,380	1,950	1,530	1,330	1,180	980	880	730	630	580	530	480	430
TM-ZE554HRS															
● 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	5.77						
CRANE STRENGTH		4,050	4,050	4,050	3,130	2,930	2,580	2,330	2,080	2,330	2,030				
EMPTY CHASSIS	Extension width of outriggers	MAX.	4,050	4,050	3,900	2,800	2,430	1,980	1,680	1,330					
		MIN.	2,480	2,130	2,080	1,380	1,180	930	830	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	7.0	7.5	8.17		
CRANE STRENGTH		3,130	3,130	3,130	2,930	2,580	2,330	2,080	1,930	1,780	1,630	1,480	1,380		
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	2,800	2,430	1,980	1,680	1,430	1,180	1,130	1,000	900	780	
		MIN.	2,480	1,880	1,380	1,180	930	830	680	580	550	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	10.58				
CRANE STRENGTH		2,130	2,130	2,130	2,030	1,780	1,530	1,380	1,200	1,050	1,000				
EMPTY CHASSIS	Extension width of outriggers	MAX.	2,130	2,130	1,980	1,630	1,180	1,000	800	680	580	550			
		MIN.	1,480	1,180	930	780	580	450	380	330	270	240			
TM-ZE555HRS															
● 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	5.5	5.99					
CRANE STRENGTH		4,050	4,050	3,130	2,930	2,530	2,330	2,230	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	1,380	1,130			
		MIN.	2,580	2,200	1,380	1,180	930	730	630	500	630	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	6.0	6.5	7.0	7.5	8.37	
CRANE STRENGTH		3,130	3,130	3,130	3,130	2,930	2,530	2,230	1,980	1,780	1,630	1,480	1,380	1,180	
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	2,930	2,530	1,930	1,630	1,380	1,130	1,080	930	830	650
		MIN.	2,580	1,980	1,530	1,380	1,180	930	730	630	500	480	400	340	250
● 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	Extension width of outriggers	MAX.	2,230	1,930	1,580	1,130	900	700	550	500					
		MIN.	1,430	1,330	1,230	1,080	980	880	800	730	650				
● 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	Extension width of outriggers	MAX.	1,430	1,130	900	700	550	500	430	400	350				
		MIN.	1,430	1,130	900	700	550	500	430	400	350				

Table B															
TM-ZE553HRS															
● 3.47 m Boom															
LOAD RADIUS (m)		2.5 <sup>and below</sup>			2.95			3.25							
CRANE STRENGTH		5,050			4,050			3,700							
EMPTY CHASSIS	Extension width of outriggers	MAX.	5,050			4,050			3,650						
		MIN.	2,980			2,330			2,080						
● 5.91 m Boom															
LOAD RADIUS (m)		2.6 <sup>and below</sup>	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	Extension width of outriggers	MAX.	4,050	4,050	4,050	3,130	2,930	2,480	2,080	1,780	1,680				
		MIN.	2,730	2,500	2,330	1,580	1,430	1,230	1,030	930	880				
● 8.31 m Boom															
LOAD RADIUS (m)		2.6 <sup>and below</sup>	3.0	3.4	3.8	4.1	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.09	
CRANE STRENGTH		3,130	3,130	3,130	3,130	2,930	2,630	2,380	2,180	1,980	1,830	1,680	1,530	1,430	
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	3,130	2,930	2,480	2,080	1,780	1,580	1,430	1,280	1,130	1,030
		MIN.	2,730	2,280	1,930	1,580	1,430	1,230	1,030	930	780	730	650	580	530
TM-ZE554HRS															
● 3.55 m Boom															
LOAD RADIUS (m)		2.5 <sup>and below</sup>			2.9			3.33							
CRANE STRENGTH		5,050			4,050			3,550							
EMPTY CHASSIS	Extension width of outriggers	MAX.	5,050			4,050			3,550						
		MIN.	2,880			2,380			1,950						
● 5.99 m Boom															
LOAD RADIUS (m)		2.6 <sup>and below</sup>	2.8	2.9	3.7	4.0	4.5	5.0	5.77						
CRANE STRENGTH		4,050	4,050	4,050	3,130	2,930	2,580	2,330	2,030						
EMPTY CHASSIS	Extension width of outriggers	MAX.	4,050	4,050	4,050	3,130	2,930	2,430	2,030	1,630					
		MIN.	2,750	2,500	2,380	1,580	1,430	1,180	980	780					
● 8.39 m Boom															
LOAD RADIUS (m)		2.6 <sup>and below</sup>	3.0	3.7	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.17		
CRANE STRENGTH		3,130	3,130	3,130	2,930	2,580	2,330	2,080	1,930	1,780	1,630	1,480	1,380		
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	2,930	2,430	2,030	1,730	1,480	1,380	1,230	1,080	980	
		MIN.	2,750	2,280	1,580	1,430	1,180	980	830	730	680	630	530	480	
● 10.8 m Boom															
LOAD RADIUS (m)		3.5 <sup>and below</sup>	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	10.58				
CRANE STRENGTH		2,130	2,130	2,130	2,030	1,780	1,530	1,380	1,200	1,050	1,000				
EMPTY CHASSIS	Extension width of outriggers	MAX.	2,130	2,130	2,130	1,980	1,480	1,180	950	880	730	680			
		MIN.	1,730	1,430	1,180	930	730	580	480	430	350	330			
TM-ZE555HRS															
● 3.77 m Boom															
LOAD RADIUS (m)		2.5 <sup>and below</sup>			2.8			3.55							
CRANE STRENGTH		5,050			4,050			3,150							
EMPTY CHASSIS	Extension width of outriggers	MAX.	5,050			4,050			3,150						
		MIN.	3,130			2,600			1,730						
● 6.21 m Boom															
LOAD RADIUS (m)		2.5 <sup>and below</sup>	2.8	3.6	3.9	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.37		
CRANE STRENGTH		4,050	4,050	3,130	2,930	2,530	2,230	1,980	1,780	1,630	1,480	1,380	1,180		
EMPTY CHASSIS	Extension width of outriggers	MAX.	4,050	4,050	3,130	2,930	2,430	1,980	1,680	1,430	1,280	1,130	1,030	830	
		MIN.	3,130	2,600	1,680	1,430	1,130	930	780	650	630	530	480	350	
● 8.59 m Boom															
LOAD RADIUS (m)		2.5 <sup>and below</sup>	3.0	3.4	3.6	3.9	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.37	
CRANE STRENGTH		3,130	3,130	3,130	3,130	2,930	2,530	2,230	1,980	1,780	1,630	1,480	1,380	1,180	
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	3,130	2,930	2,430	1,980	1,680	1,430	1,280	1,130	1,030	830
		MIN.	3,130	2,280	1,850	1,680	1,430	1,130	930	780	650	630	530	480	350
● 10.97 m Boom															
LOAD RADIUS (m)		4.0 <sup>and below</sup>	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	Extension width of outriggers	MAX.	2,230	2,180	1,930	1,430	1,130	880	730	650	580				
		MIN.													
● 13.34 m Boom															
LOAD RADIUS (m)		5.0 <sup>and below</sup>	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	Extension width of outriggers	MAX.	1,430	1,330	1,130	880	730	650	550	500	430	350			
		MIN.													

Table C															
TM-ZE553HRS															
● 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			4,050			3,700						
		MIN.	3,230			2,730			2,430						
● 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	Extension width of outriggers	MAX.	4,050	4,050	4,050	3,130	2,930	2,630	2,380	2,130	2,030				
		MIN.	3,130	2,900	2,730	1,830	1,630	1,430	1,180	1,030	980				
● 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	6.5	7.0	7.5	8.09	
CRANE STRENGTH		3,130	3,130	3,130	3,130	2,930	2,630	2,380	2,180	1,980	1,830	1,680	1,530	1,430	
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	3,130	2,930	2,630	2,380	2,130	1,880	1,730	1,530	1,380	1,230
		MIN.	3,130	2,680	2,230	1,830	1,630	1,430	1,180	1,030	930	850	780	700	600
TM-ZE554HRS															
● 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			4,050			3,550						
		MIN.	3,280			2,750			2,280						
● 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	2,080	2,330	2,030				
EMPTY CHASSIS	Extension width of outriggers	MAX.	4,050	4,050	4,050	3,130	2,930	2,580	2,330	2,080	2,330	2,030			
		MIN.	3,130	2,880	2,750	1,870	1,630	1,380	1,130	930					
● 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	7.0	7.5	8.17		
CRANE STRENGTH		3,130	3,130	3,130	2,930	2,580	2,330	2,080	1,930	1,780	1,630	1,480	1,380		
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	2,930	2,580	2,330	2,030	1,830	1,650	1,480	1,350	1,180	
		MIN.	3,130	2,630	1,870	1,630	1,380	1,130	930	830	780	730	650	550	
● 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	10.58				
CRANE STRENGTH		2,130	2,130	2,130	2,030	1,780	1,530	1,380	1,200	1,050	1,000				
EMPTY CHASSIS	Extension width of outriggers	MAX.	2,130	2,130	2,130	2,030	1,780	1,480	1,200	1,030	900	830			
		MIN.	1,930	1,630	1,330	1,080	780	730	550	500	430	380			
TM-ZE555HRS															
● 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			3,150						
		MIN.	3,130			2,800			1,930						
● 6.21 m Boom															
LOAD RADIUS (m)		2.5 and below	3.0	3.4	3.6	3.9	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.37	
CRANE STRENGTH		3,130	3,130	3,130	3,130	2,930	2,530	2,230	1,980	1,780	1,630	1,480	1,380	1,180	
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	3,130	2,930	2,530	2,230	1,980	1,730	1,580	1,430	1,250	1,050
		MIN.	3,130	2,580	2,100	1,880	1,630	1,330	1,080	930	780	700	630	550	430
● 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	6.0	6.5	7.0	7.5	8.37	
CRANE STRENGTH		3,130	3,130	3,130	3,130	2,930	2,530	2,230	1,980	1,780	1,630	1,480	1,380	1,180	
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	3,130	2,930	2,530	2,230	1,980	1,730	1,580	1,430	1,250	1,050
		MIN.	3,130	2,580	2,100	1,880	1,630	1,330	1,080	930	780	700	630	550	430
● 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	Extension width of outriggers	MAX.	2,230	2,180	2,030	1,730	1,400	1,100	950	800	730				
		MIN.	2,230	2,180	2,030	1,730	1,400	1,100	950	800	730				
● 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	Extension width of outriggers	MAX.	1,430	1,330	1,230	1,080	950	800	700	630	530				
		MIN.	1,430	1,330	1,230	1,080	950	800	700	630	530				

TM-ZE553HRS										
● 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		4,050		3,700			
MIN.	3,430		2,730				2,430			
● 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	Extension width of outriggers	MAX.	4,050	4,050	4,050	3,130	2,930	2,630	2,380	2,130
MIN.	3,230	2,900	2,730	1,830	1,630	1,330	1,430	1,180	1,030	980
● 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	6.5
CRANE STRENGTH	3,130	3,130	3,130	3,130	2,930	2,630	2,380	2,180	1,980	1,830
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	3,130	2,930	2,630	2,380	2,180
MIN.	3,130	2,680	2,230	1,830	1,630	1,430	1,180	1,030	930	850
										780
										700
										600
TM-ZE554HRS										
● 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		4,050		3,550			
MIN.	3,380		2,750				2,280			
● 5.99 m Boom										
LOAD RADIUS (m)	2.6 and below	2.8	2.9	3.7	4.0	4.5	5.0	5.77		
CRANE STRENGTH	4,050	4,050	4,050	3,130	2,930	2,580	2,330	2,030		
EMPTY CHASSIS	Extension width of outriggers	MAX.	4,050	4,050	4,050	3,130	2,930	2,580	2,330	2,030
MIN.	3,230	2,900	2,750	1,870	1,630	1,330	1,380	1,130	930	
● 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	7.0
CRANE STRENGTH	3,130	3,130	3,130	2,930	2,580	2,330	2,080	1,930	1,780	1,630
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	2,930	2,580	2,330	2,030	1,930
MIN.	3,130	2,630	1,870	1,630	1,380	1,130	930	830	780	730
										650
										550
● 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	10.58
CRANE STRENGTH	2,130	2,130	2,130	2,030	1,780	1,530	1,380	1,200	1,050	1,000
EMPTY CHASSIS	Extension width of outriggers	MAX.	2,130	2,130	2,130	2,030	1,780	1,530	1,380	1,200
MIN.	1,930	1,630	1,330	1,080	780	730	550	500	430	380
TM-ZE555HRS										
● 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		3,150			
MIN.	3,380		2,800				1,930			
● 6.21 m Boom										
LOAD RADIUS (m)	2.5 and below	2.8	3.6	3.9	4.5	5.0	5.5	6.0	6.5	7.0
CRANE STRENGTH	4,050	4,050	3,130	2,930	2,530	2,230	1,980	1,780	1,630	1,480
EMPTY CHASSIS	Extension width of outriggers	MAX.	4,050	4,050	3,130	2,930	2,530	2,230	1,980	1,780
MIN.	3,380	2,800	1,880	1,630	1,330	1,080	930	780	700	630
										550
										430
● 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	6.0	6.5
CRANE STRENGTH	3,130	3,130	3,130	3,130	2,930	2,530	2,230	1,980	1,780	1,630
EMPTY CHASSIS	Extension width of outriggers	MAX.	3,130	3,130	3,130	3,130	2,930	2,530	2,230	1,980
MIN.	3,130	2,580	2,100	1,880	1,630	1,330	1,080	930	780	700
										630
										550
										430
● 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	Extension width of outriggers	MAX.	2,230	2,180	2,030	1,730	1,430	1,230	1,080	980
MIN.										
● 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	Extension width of outriggers	MAX.	1,430	1,330	1,230	1,080	980	880	800	730
MIN.										
										650

Notes:

1. Rated capacity indicator issues warning with the limit warning lamp and the buzzer when the working state approaches limit or the strength limit.
2. When the AML is equipped with the rated capacity limiter, an operation stops automatically if the rated lifting capacity is exceeded.
3. When the crane is front mounted, set up the front outriggers so that the front wheels are slightly in contact with the ground. (If tire deformation is large, AML may activate earlier.)
4. Empty Chassis Rated Capacities in these tables depend on condition that crane is set level on firm level ground.
5. This value includes the mass of lifting devices such as hook block (45kg).
6. When the outriggers are extended to the middle width, read the capacities rated for the minimum extension width.
7. This load radius shows actual load radius which includes boom deflection.
8. Rated lifting capacity is in consideration of the loading on the truck bed, and is within the range from the empty chassis rated lifting capacity to the crane strength rated lifting capacity.
9. If the boom length exceeds the table value even a little, the performance is limited to the performance of the next boom length.
10. TM-ZE554HRS : When the boom length is 8.39 m, a half of the mark on lateral face of the 3rd boom section is exposed out of 2nd boom section.  
TM-ZE555HRS : When the boom length is 10.97 m, a half of the mark on lateral face of the 4th boom section is exposed out of 3rd boom section.
11. 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.
12. 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. Be sure to carry out a stability inspection to determine which performance to apply.)

\*2: Chassis front axle weight (excluding crane and mounting parts mass).

