

TM-ZE550HRS



Note: Some specifications may be subject to change.



Tadano Ltd.

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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. 3-4



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.



Emergency stop

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 or warning alarms are

triggered once critical parameters



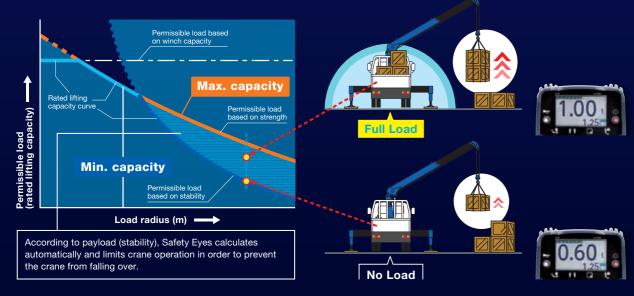




Safety Eyes



Safety Eyes System is Tadano's unique safety device that, in addition to the Automatic Moment Limiter (AML), monitors the cargo weight loaded onto the truck to ensure work safety and efficiency.



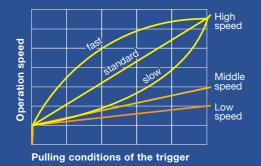
Carry Heavier Loads When Close

Carry Loads Farther When Light



Feeling Operation

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

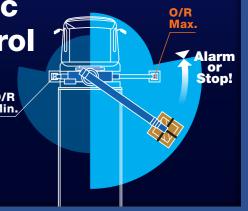


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Outriggers Asymmetric Extension Width Control

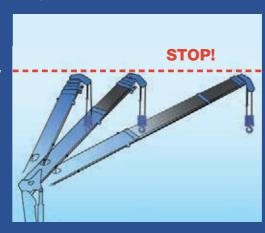
Optimum Lifting Performance at Any Outrigger Width

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.



Mode indicator

extension width

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.



3 *Actual specifications may differ. 4

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

This function stops crane operation (hoisting up, boom

touches the weight, and warns the operator with an alarm,

elevation, and boom extension) when the hook block

to prevent the hook block from hitting the boom head.

Function



On radio controller

Emergency Stop

Use this switch to stop

controlled during crane

emergency. (Outrigger

machine cannot be

operation, or in an

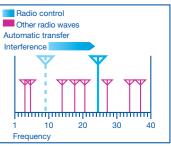
machine movement if the operation does not stop.)

Automatic Slewing Lock System

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

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

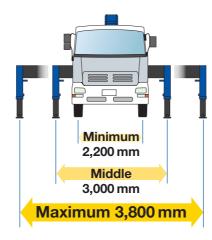
The cable follower prevents disorderly cable (wire rope) winding by always pressing the cable onto the winch drum, and keeps the wire rope in the right position.

TM-ZE550HRS

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.



Outrigger Mechanism for Quicker Work

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.

The outrigger beams







Lock System

5 *Actual specifications may diffe

TM-ZE550HRS series

Technical Specifications

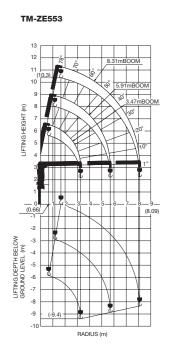
Model	TM-ZE553HRS	TM-ZE554HRS	TM-ZE555HRS									
CRANE CAPACITY	5,050 kg at 2.5 m (5-part line)											
DOOM	Three-sectioned, fully hydraulic telescoping	Four-sectioned, fully powered partly synchronized telescoping	Five-sectioned, fully powered partly synchronized telescopin									
BOOM	boom of heptagonal box construction	boom of heptagonal box construction	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 driv	en. Spur gear speed reduction, provided with mechanical brak	te 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 ⁻¹ {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,									
RADIO CONTROLLER	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)										
	•Anti-two-block-device •AML (Automatic Moment Limiter) < Load indication, Load moment ratio indication, Warning alarm, Rated capacity indicator/limiter or Rated capacity indicator,											
SAFETY DEVICES	Limit warning lamp, Outrigger length detector, Outrigger a	symmetric extension width control> •WHL (Working Height Li	imiter) •Boom angle indicator •Load indicator •Load meter									
SAFETT DEVICES	 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		trigger pads •Oil cooler •Tiltable jack float •Rear outriggers (ou	utrigger beam non-extension type)									
CRANE MASS	Approx. 1,520 kg	Approx. 1,640 kg	Approx. 1,810 kg									
CHAINE IVIASS	(Except crane options and mounting parts.)	(Except crane options and mounting parts.)	(Except crane options and mounting parts.)									

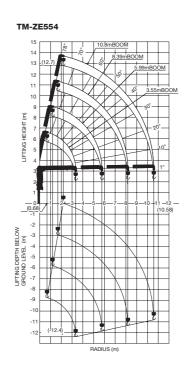
Note: Each operating speeds show the value when there is no load conditions and the pump delivery is the following conditions.

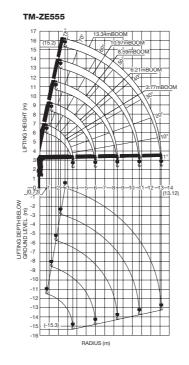
•36 L/min (Slewing speed)

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

Working Range



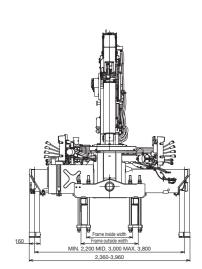




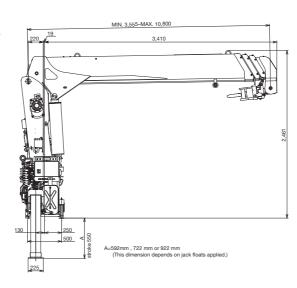
Note: The above lifting heights and boom angles are based on a straight (unladen) boom, and allowance should be made for boom deflection obtained under laden conditions.

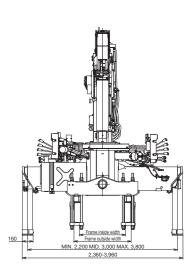
Dimensions

TM-ZE553

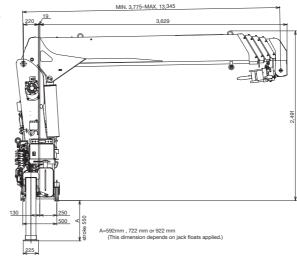


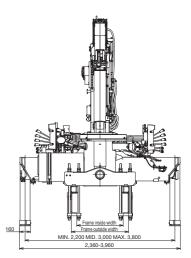
TM-ZE554





TM-ZE555





7 *Actual specifications may differ. *Actual specifications may differ. 8

TM-ZE550HRS series

Rated Lifting Capacities

Mart	Toble A		9 0	apac	,,,,,,	_					Toble D												
9 - AF m Boom	Table A										Table B												
Color Personal Pers											-												
Column C																							
Second S				,							. ,												
1.000 1.00	Futuraina luura										Estantia and							-					
Color Parlia Series 2.65 3.6			2,480			2,000			1,780				2,980			2,330			2,080				
Part	● 5.91 m Boom	and I										and											
Part Part Mart	. ,										LOAD RADIUS (m)	DOIOW											
Section Sect	CRANE STRENGTH						_												_				
March Marc	width of	-	4,050		-	2,430	2,030	_	_		EMPTY Extension MAX width of	4,050	-	-	-	-		2,080		-			
Color Process First Firs	outriggers MIN.	2,380	2,130	2,000	1,330	1,180	980	880	730	680	outriggers MIN.	2,730	2,500	2,330	1,580	1,430	1,230	1,030	930	880			
Common C	● 8.31 m Boom										● 8.31 m Boom												
Column C		2.6 and below 3.	.0 3.4	3.8	4.1 4.5	5.0	5.5	6.5	7.0 7	7.5 8.09	LOAD RADIUS (m)	2.6 and below 3	3.4	3.8	1.1 4.5	5.0 5	5.5 6.0	6.5	7.0 7	7.5 8.09			
Part			30 3,130	3,130 2	,930 2,63	0 2,380	2,180 1,	980 1,830	1,680 1,	530 1,430				3,130 2,	930 2,630	2,380 2,	180 1,98	30 1,830	1,680 1,	530 1,430			
**************************************		3,130 3,1	30 3,130	2,680 2	,430 2,03	0 1,730	1,430 1,	330 1,180	1,030 9	30 830	EMPTY Extension MAX	3,130 3,	130 3,130		930 2,480	2,080 1,	780 1,58	30 1,430	1,280 1,	130 1,030			
	CHASSIS outriggers MIN.	2,380 1,9	50 1,530	1,330 1	,180 980	880	730 6	30 580	530 4	80 430	CHASSIS Outriggers MIN. 2,730 2,280 1,930 1,580 1,430 1,230 1,030 930 780 730 650 580 530												
Color Parlus Fine Parlus	TM-ZE554HRS										TM-ZE554HRS												
CAME STRENGTH	● 3.55 m Boom										• 3.55 m Boom												
CAME STRENGTH	LOAD RADIUS (m)		2.5 and below			2.9			3.33		LOAD RADIUS (m)		2.5 and below			2.9			3.33				
1,895 1,895 1,895 1,895 1,895 1,895 1,99	CRANE STRENGTH					4,050			3,550							4,050			3,550				
Page			5,050			3,900			3,250		EMPTY Extension MAX		5,050			4,050			3,550				
Septemborn Company C			2,630			2,080			1,680		CHASSIS outriggers MIN.		2,880			2,380			1,950				
CRAME STRENGTH 4,050 4,050 4,050 3,000 2,030 2,0	● 5.99 m Boom											-											
CRAME STRENGTH 4,050	LOAD RADIUS (m)	2.5 and below	2.8	2.9	3.	7	4.0	4.5	5.0	5.77	LOAD RADIUS (m)	2.6 and below	2.8	2.9	3.7	4.	0	4.5	5.0	5.77			
March Marc	CRANE STRENGTH		4,050	4,05	0 3,1	30 2	,930	2,580	2,330	2,030	CRANE STRENGTH	4,050	4,050	4,050	3,130	2,9	30 2	2,580	2,330	2,030			
2480 2480	Extension MAX.	4,050	4,050	3,90	0 2,8	00 2	,430	1,980	1,680	1,330	FMPTY Extension MAX	4,050	4,050	4,050	3,130	2,9	30 2	2,430	2,030	1,630			
**************************************		2,480	2,130	2,08	0 1,3	80 1	,180	930	830	650	CHASSIS width of outriggers MIN.	2,750	2,500 2,38		1,580	1,580 1,430		1,180	780				
Chame Streeworth 3,130 3,130 3,130 2,200 2,500 2,300 2,500 2,300 1,700 1,600 1,400 1,300 1,000 1	● 8.39 m Boom				,			,															
Chame Streeworth 3,130 3,130 3,130 2,200 2,500 2,300 2,500 2,300 1,700 1,600 1,400 1,300 1,000 1	LOAD RADIUS (m)	2.6 and 3	3.0 3.7	4.0	4.5	5.0 5.	5 6.0	6.5	7.0 7.	.5 8.17	LOAD RADIUS (m)	2.6 and	3.0 3.7	4.0	4.5 5.0	5.5	6.0	6.5	7.0 7.	.5 8.17			
**************************************	CRANE STRENGTH		130 3,13	0 2,930	2,580 2	,330 2,0	80 1,93	0 1,780	1,630 1,4	80 1,380	CRANE STRENGTH		,130 3,130	2,930	2,580 2,33	30 2,080	1,930	1,780	1,630 1,4	1,380			
Marging Marg	Extension MAX.	3,130 3,	130 2,80	0 2,430	1,980 1	,680 1,4	30 1,18	0 1,130	1,000 90	00 780	FMPTY Extension MAX	3,130 3	,130 3,130	2,930	2,430 2,03	30 1,730	1,480	1,380	1,230 1,0	980			
10.4 m Boom 10.5 m Boom	CHASSIS width of outriggers MIN.	2,480 1,	880 1,38	0 1,180	930	330 68	0 580	550	480 43	30 380	CHASSIS outriggers MIN.	2,750 2	,280 1,580	1,430	1,180 98	0 830	730	680	630 53	30 480			
CRANE STERNOTH 2,130 2,130 2,130 2,130 1,380 1,30 1,380 1,380 1,380 1,380 1,30 1,00 1,00 1,00 1,00 1,00 1,00 1,0	● 10.8 m Boom																						
CRANE STRENGTH 2, 130 2, 130 1, 20 1, 130 2, 130 2, 20 1, 780 1, 20 1, 150 1, 100 1, 1	LOAD RADIUS (m)	3.5 and helow	4.0	4.5	5.0 6	6.0 7	.0 8	.0 9.	0 10.0	10.58	LOAD RADIUS (m)	3.5 and helow	4.0	4.5	5.0 6.0	7.0	8.0	9.0	10.0	10.58			
Seminary Middle of Mid	CRANE STRENGTH		2,130 2	2,130 2	2,030 1,	780 1,	530 1,	380 1,2	00 1,050	1,000	CRANE STRENGTH		2,130 2	,130 2.	.030 1,78	0 1,53	0 1,38	30 1,20	00 1,050	1,000			
CARANE STRENGTH 1,480 1,800 3,00 7,800 5,000 1,800 1,800 3,000 1,800 3,000 1,800 1,800 3,000 1,800 1,800 3,000 1,800 1,800 3,000 1,8	EXTENSION MAX.	2,130	2,130	1,980 1	,630 1,	180 1,0	000	00 68	0 580	550			2,130 2	,130 1,	,980 1,48	0 1,18	0 950) 88	730	680			
TM-ZESSSHRS		1,480	1,180	930	780 5	80 4	50 3	80 33	0 270	240	CHASSIS width of outriggers MIN.	1,730	1,430 1	,180 9	930 730	580) 480) 430	350	330			
CADA RADIUS (m) 2.5 Each 2.8 3.55 CADA RADIUS (m) 2.5 Each 2.8 3.6 3.9 4.5 5.0 5.5 5.99 CADA RADIUS (m) 2.5 Each 2.8 3.6 3.9 4.5 5.0 5.5 5.99 CADA RADIUS (m) 2.5 Each 2.8 3.6 3.9 4.5 5.0 5.5 5.99 CADA RADIUS (m) 2.5 Each 2.8 3.6 3.9 4.5 5.0 5.5 5.99 CADA RADIUS (m) 2.5 Each 2.50 2.20 1.380 1.180 930 730 630 500 CADA RADIUS (m) 2.5 Each 2.20 2.8 3.6 3.9 4.5 5.0 5.5 5.99 CADA RADIUS (m) 2.5 Each 2.50 2.20 1.380 1.180 930 730 630 500 CADA RADIUS (m) 2.5 Each 2.50 2.20 1.380 1.30 1.30 2.930 2.530 2.230 1.980 1.780 CADA RADIUS (m) 2.5 Each 2.50 2.20 1.380 1.380 1.380 1.30 1.30 2.930 2.530 2.230 1.980 1.780 CADA RADIUS (m) 2.5 Each 2.50 2.200 1.380 1.380 1.380 1.380 1.380 1.30 2.930 2.530 2.230 2.30	TM-ZE555HRS																						
CRANE STRENGTH 5,050 4,050 3,150 CRANE STRENGTH 5,050 4,050 3,130 2,800 1,730 CRANE STRENGTH 6,050 4,050 3,130 2,800 2,530 1,800 1,8	● 3.77 m Boom										● 3.77 m Boom												
CRANE STRENGTH 5,050 4,050 3,150 CRANE STRENGTH 5,050 4,050 3,130 2,800 1,730 CRANE STRENGTH 6,050 4,050 3,130 2,800 2,530 1,800 1,8	LOAD RADIUS (m)		2.5 and	,		2.8			3.55		LOAD RADIUS (m)		2.5 and			2.8			3.55				
CHASSI Outlinggers MIN	CRANE STRENGTH							CRANE STRENGTH					4,050			3,150							
CHASSI Outlinggers MIN	Extension MAX.		5,050			4,050			2,950		Extension MAX		5,050			4,050		3,150					
■ 6.21 m Boom CADA PADIUS (m) 2.5 mod			2,580			2,200			1,430		CHASSIS outriggers MIN. 3,130 2,600							1,730					
CRANE STRENGTH 4,050 4,050 3,130 2,930 2,530 2,230 1,980 1,780 1,780	● 6.21 m Boom																						
CRANE STRENGTH 4,050 4,050 3,130 2,930 2,530 2,230 1,980 1,780 1,780	LOAD RADIUS (m)	2.5 and	2.8	3.6	3.	9	4.5	5.0	5.5	5.99	LOAD RADIUS (m)	2.5 and	2.8	3.6	3.9	4.	5	5.0	5.5	5.99			
Exercision Max. Mx Mx Mx Mx Mx Mx Mx	CRANE STRENGTH			3.13	_		_						4.050	3,130	2.930	2.5	30 2	2.230	1.980	1.780			
***Medical Process of Computing No. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.0. 1.	Extension MAX.							-		-	Extension MAX	4,050					_	_					
■ 8.59 m Boom CADA PADIUS (m) 2.5 m/s 3.0 3.4 3.6 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.37	CHASSIS width of outringers MIN.					_		-			CHASSIS width of MIN	3,130		-		_		-		-			
LOAD RADIUS (m) 2.5 molecular		,	,	.,50	.,.,							.,	,,,,,,,	1 .,250	.,.50	1,300	-						
CRANE STRENGTH 2,330 3,130 3,130 3,130 2,930 2,530 2,230 1,980 1,780 1,630 1,800 1,8		2.5 and 3	0 3.4	3.6	3.9 4.5	5.0	5.5	6.0 6.5	7.0 7	7.5 8.37		2.5 and 3	3.0 3.4	3.6	3.9 4.5	5.0	5.5 6.0	6.5	7.0 7	7.5 8.37			
EMPTY Extension MAX 3,130 3,13						_																	
CHASSIS Outriggers Mix. 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 4.5 5.0 6.0 7.0 8.0 9.0 10.0 10.75 CRANE STRENGTH 2,230 2,180 2,330 1,330 1,230 1,080 980 880 800 730 650 650 630 530 480 350 ■ 10.97 m Boom LOAD RADIUS (m) 4.0 and 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 ■ 13.34 m Boom LOAD RADIUS (m) 5.0 and						, ,	,	7	7		Extension MAY	3 130 3	130 3 130	3 130 2	930 2 430								
● 10.97 m Boom LOAD RADIUS (m) 4.0 and 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 ■ 13.34 m Boom LOAD RADIUS (m) 5.0 and	CHASSIS Outringers MIN	2 580 1 0	80 1 530	1 380 1	180 930	_		_			CHASSIS Outringers MIN	3 130 2	280 1.850	1 680 1	430 1 130			_					
LOAD RADIUS (m) 4.0 and bloom 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 CRANE STRENGTH 2,230 2,180 2,030 1,730 1,430 1,230 1,080 980 900 CRANE STRENGTH 2,230 2,180 2,030 1,730 1,430 1,230 1,080 980 900 CRANE STRENGTH 2,230 2,180 2,030 1,730 1,430 1,230 1,080 980 900 CRANE STRENGTH 2,230 2,180 2,030 1,730 1,430 1,230 1,080 980 900 CRANE STRENGTH 2,230 2,180 1,930 1,430 1,130 880 730 650 580 13.34 m Boom 13.34 m Boom 13.34 m Boom 14.30 m 1,330 1,230 1,080 980 980 880 800 730 650 CRANE STRENGTH 1,430 1,330 1,230 1,080 980 880 800 730 650 CRANE STRENGTH 1,430 1,330 1,230 1,080 980 880 800 730 650		_,000 1,0	-0 .,000	.,000 1	,.00 000	. 00	500 0	-50 400		.5 200			.,000	.,000 1,	.50 1,100	300 1	20 00	- 1 000	000 4				
CRANE STRENGTH 2,230 2,180 2,030 1,730 1,430 1,230 1,080 980 900 CRANE STRENGTH 2,230 2,180 2,030 1,730 1,430 1,230 1,080 980 900		4 O and	4.5	5.0	6.0	7.0	8.0	9.0	10.0	10.75			4.5	5.0	60	7.0	8.0	9.0	10.0	10.75			
### Boom ### B							_	_		_	. ,	DEION				_							
● 13.34 m Boom LOAD RADIUS (m) 5.0 and bloom 5.0 and bloom 5.0 and 5			-				_	_					-			-		_					
LOAD RADIUS (m) 5.0 and 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 CRANE STRENGTH 1,430 1,330 1,230 1,080 980 880 800 730 650		2,230	1,930	1,380	1,130	900	700	550	500	450			2,180	1,930	1,430	1,130	000	730	000	380			
CRANE STRENGTH 1,430 1,330 1,230 1,080 980 880 800 730 650 CRANE STRENGTH 1,430 1,330 1,230 1,080 980 880 800 730 650		5 o and	6.0	7.0	0.0	0.0	10.0	11.0	10.0	12.10			60	7.0	0.0	0.0	10.0	11.0	10.0	12.10			
										_	. ,												
CHASSE of catingges MAX 1,450 1,150 800 700 500 500 430 400 500 500 430 430 650 500 430							_								-	_			_				
	CHASSIS of outriggers MAX.	1,430	1,130	900	700	550	500	430	400	350	CHASSIS of outriggers MAX	1,430	1,330	1,130	880	730	UCO	550	500	430			

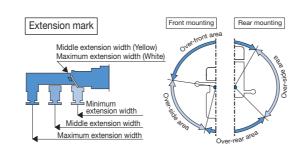
Notes:

- 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.
- $\bullet \ \text{Front mounting <-over-side, over-rear area>: } 100\% < \text{over-front area>: } 25\% \ (^*1) \ \text{or } 60\% \ (^*1) \ \text{or } 100\% \ (^*1)$
- \bullet 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.)

Table C												Tab	le D													
TM-ZE553HRS												TM-Z	E553HRS												_	
● 3.47 m Boom	1												m Boom													
LOAD RADIUS (m)	_	2.5 and belo			2.95	;			3.2	5			RADIUS (m)		2.5 ar	d			2.95				3.25			
CRANE STRENGTH		5,050	w		4,050				3,70				STRENGTH		5,050				4.050				3,700		_	
EMPTY Extension width of		5,050			4,050			3 700				FL (DT)	Extension MAY		5,050				4,050				3,700			
CHASSIS width of outriggers MIN	N.	3,230			2,73				2,43			CHASSIS	width of outriggers MIN		3,430				2,730		_		2,430		_	
● 5.91 m Boom									, -			● 5.91 m Boom												_		
LOAD RADIUS (m)		d 2.8	2.95	3.8	4.1	4.	5	5.0	5.5		5.69		RADIUS (m)	2.6 and	2.8	2.9	5	3.8	4.1	4.	.5	5.0	5.5	5	5.69	
CRANE STRENGTH			4,050	3,130	2,93	0 2,6	30	2,380	2,18	10	2,080	CRANE	STRENGTH	4,050	4,050	4,05	50 ;	3,130	2,930	2,6	30	2,380	2,180) 2.	2,08	
Extension MAX			4,050	3,130			_	2,380	2,13	_	2,030	FMDT/	Extension MAX	4 050	4,050	_	_		2,930	2,6	_	2,380	2,130	_	2,08	
CHASSIS width of outriggers MIN	N. 3,130		2,730	1,830	_	0 1,4	30	1,180	1,03	_	980	CHASSIS	width of outriggers MIN	3,230	2,900				1,630	1,4		1,180	1,030		980	
● 8.31 m Boom									-				m Boom											-	_	
LOAD RADIUS (m)) 2.6 and	3.0 3.4	3.8	4.1 4	.5 5.0	5.5	6.0	6.5	7.0	7.5	8.09	LOAD	RADIUS (m)	2.6 and helpw	3.0 3	.4 3.8	4.1	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	
CRANE STRENGTH	1 3,130	3,130 3,13	0 3,130 2	2,930 2,6	30 2,38	0 2,180	1,980	1,830	1,680	1,530	1,430	CRANE	STRENGTH	501011	3,130 3,1	30 3,13	0 2,93	0 2,630	2,380	2,180	1,980	1,830	1,680	1,530	1,4	
EMPTY Extension MAX	X 3,130	3,130 3,13	0 3,130 2	2,930 2,6	30 2,38	0 2,130	1,880	1,730	1,530	1,380	1,230	FMPTY	Extension MAX	3,130 3	3,130 3,1	30 3,13	0 2,93	0 2,630	2,380	2,180	1,980	1,830	1,680	1,530	1,4	
CHASSIS width of outriggers MIN	N. 3,130	2,680 2,23		,630 1,4		0 1,030	930	850	780	700	_	CHASSIS	width of outriggers MIN	3,130 2		_	0 1,63			1,030		850			60	
TM-ZE554HRS													E554HRS												_	
● 3.55 m Boom	ı											• 3.55	m Boom													
LOAD RADIUS (m))	2.5 and belo	w		2.9				3.3	3		LOAD	RADIUS (m)		2.5 ar	d			2.9				3.33			
CRANE STRENGTH	1	5,050			4,050	0			3,55	0		CRANE	STRENGTH		5,050				4,050				3,550			
EMPTY Extension MAX	X.	5,050			4,050	0			3,55	0		EMPTY	Extension MAX		5,050)			4,050				3,550)		
CHASSIS width of outriggers MIN	N.	3,280			2,75	0			2,28	80		CHASSIS	width of outriggers MIN		3,380)			2,750				2,280)		
● 5.99 m Boom													m Boom												_	
LOAD RADIUS (m)) 2.6 ^a	nd 2.8	2.9)	3.7	4.0	4.	.5	5.0		5.77	LOAD	RADIUS (m)	2.6 and	ow 2.	8	2.9	3.7		4.0	4.	.5	5.0	5.	.77	
CRANE STRENGTH	4,05	0 4,050	4,05	50 3	,130	2,930	2,5	80	2,330	- :	2,030	CRANE	STRENGTH	4,050		50 4	1,050	3,130) 2	,930	2,5	80	2,330	2,0	,030	
Extension MAX		0 4,050	4,05	50 3	,130	2,930	2,5	80	2,330		2,030	EMPTY	Extension MAX	4,050	4,0	50 4	1,050	3,130) 2	,930	2,5	80	2,330	2,0	,030	
CHASSIS width of outriggers MIN	N. 3,13	0 2,880	2,75	0 1	,870	1,630	1,3	80	1,130		930	CHASSIS	width of outriggers MIN	3,230	2,9	00 2	2,750	50 1,870 1,630				1,380 1,130 93				
● 8.39 m Boom													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	LOAD	RADIUS (m)	2.6 and below	3.0	3.7 4	.0	4.5 5.0	0 5.	5 6	6.0	6.5	7.0	7.5	8.1	
CRANE STRENGTH	3,130	3,130 3,1	30 2,930	2,580	2,330 2	,080 1,	930 1	,780	1,630	1,480	1,380	CRANE	STRENGTH	3,130	3,130 3	,130 2,9	930 2,	580 2,3	30 2,0	80 1,	,930 1	,780 1,	,630 1	,480 1	1,3	
EMPTY Extension MAX		3,130 3,1	30 2,930	2,580	2,330 2	2,030 1,	830 1	,650	1,480	1,350	1,180		Extension MAX	3,130	3,130 3	,130 2,9	930 2,	580 2,33	30 2,0	30 1,	,930 1	,780 1,	,630 1	,480 1	1,3	
CHASSIS width of outriggers MIN	N. 3,130	2,630 1,8	70 1,630	1,380	1,130	930 8	30	780	730	650	550	CHASSIS	width of outriggers MIN	3,130	2,630 1	,870 1,6	330 1,	380 1,13	30 93	9 0	330	780 7	730 6	350	55	
● 10.8 m Boom	1												m Boom													
LOAD RADIUS (m)	3.5 and bel	w 4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	0.0	10.58	LOAD	RADIUS (m)	3.5 and below	4.0	4.5	5.0	6.0	7	.0	8.0	9.0	10.	0 1	10.5	
CRANE STRENGTH	2,130	2,130	2,130	2,030	1,780	1,530	1,380	1,20	0 1,0	050	1,000		STRENGTH	2,130	2,130	2,130	2,03	1,78	0 1,5	530	1,380	1,200	1,05	50 1	1,00	
EMPTY width of	2,130	2,130	2,130	2,030	1,780	1,480	1,200	1,03	0 9	00	830		Extension width of	2,130	2,130	2,130	2,03	1,78	0 1,5	530	1,380	1,200	1,05	50 1	1,00	
CHASSIS width of outriggers MIN	N. 1,930	1,630	1,330	1,080	780	730	550	500) 4	30	380	CHASSIS	outriggers MIN	1,930	1,630	1,330	1,08	780	7:	30	550	500	430	0 3	380	
TM-ZE555HRS												TM-Z	E555HRS													
• 3.77 m Boom	1											● 3.7	m Boom													
LOAD RADIUS (m)	1)	2.5 and belo	w		2.8				3.5	5		LOAD	RADIUS (m)		2.5 ar	d low			2.8			3.55				
CRANE STRENGTH		5,050			4,050	D		3,150					STRENGTH		5,050)			4,050				3,150)		
EMPTY Extension WAX	X	5,050			4,050	0		3,150					Extension MAX width of		5,050)			4,050				3,150)		
CHASSIS width of outriggers MIN	N.	3,130			2,80	0			1,93	0		CHASSIS	outriggers MIN		3,380)			2,800				1,930)		
● 6.21 m Boom												● 6.2	l m Boom													
LOAD RADIUS (m)		elow 2.8	3.6	3	3.9	4.5	5.	.0	5.5		5.99	LOAD	RADIUS (m)	2.5 and bel	ow 2.	8	3.6	3.9		4.5	5.	.0	5.5	5.	5.99	
CRANE STRENGTH		0 4,050	3,13	30 2	,930	2,530	2,2	30	1,980		1,780		STRENGTH	4,050	4,0	50 3	3,130	2,930) 2	,530	2,2	30	1,980	1,7	,780	
EMPTY Extension width of	Х 4,05	0 4,050	3,13	30 2	,930	2,530	2,2	_	1,980		1,730	EMPTY	Extension width of	4,050	-		3,130	2,930	_	,530	2,2	30	1,980	_	,780	
CHASSIS width of outriggers MIN	N. 3,13	0 2,800	1,88	30 1	,630	1,330	1,0	080	930		780	CHASSIS	outriggers MIN	3,380	2,8	00 1	1,880	1,630) 1	,330	1,0	80	930	78	780	
• 8.59 m Boom	ı												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	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.	
CRANE STRENGTH	1 3,130	3,130 3,13	0 3,130 2	2,930 2,5	30 2,23	1,980	1,780	1,630	1,480	1,380	1,180	CRANE	STRENGTH													
EMPTY Extension width of outriggers MIN	Х 3,130	3,130 3,13	0 3,130 2	2,930 2,5	30 2,23	1,980	1,730	1,580	1,430	1,250	1,050	EMPTY	Extension MAX width of	3,130	3,130 3,1	30 3,13	0 2,93	0 2,530	2,230		_					
		2,580 2,10	0 1,880 1	,630 1,3	330 1,08	930	780	700	630	550	430		width of outriggers MIN		2,580 2,1	00 1,88	0 1,63	0 1,330	1,080	930	780	700	630	550	43	
● 10.97 m Boon													7 m Boon													
LOAD RADIUS (m)		d low 4.5	5.0	6.0	7.0	8.	0	9.0	10.0	0	10.75	LOAD	RADIUS (m)	4.0 and belo	4.5	5.0)	6.0	7.0	8.	.0	9.0	10.0	10	0.7	
		2,180	2,030	1,730	1,430	0 1,2	30	1,080	980		900		STRENGTH		2,180	2,03	30	1,730	1,430	1,2	30	1,080	980	9	900	
		0 400	2,030	1,730	1,40	0 1,1	00	950	800		730	EMPTY CHASSIS	Extension width of outriggers MAX	2,230	2,180	2,03	30	1,730	1,430	1,2	30	1,080	980	9	900	
	2,23	2,180	2,000	,,,,,,,																					_	
EMPTY Extension width of outriggers MAX		0 2,180	2,000	1,100	.,								34 m Boon													
CRANE STRENGTH EMPTY Extension width MAX CHASSIS of outriggers MAX • 13.34 m Boom LOAD RADIUS (m)	m		7.0	8.0	9.0	10	.0	11.0	12.0	0	13.12	• 13.3		1	6.0	7.0		8.0	9.0	10		11.0	12.0	13	3.1	
EMPTY Extension width of outriggers MAX 13.34 m Boon	5.0 and 1,430	d 6.0			9.0			11.0	12.0	_	13.12 650	• 13.3 LOAD CRANE	34 m Boon	5.0 and belo 1,430		_	_	8.0	9.0	10	0.0	11.0	12.0 730		650	

Α	15 $t \le GVW$, 2.9 $t \le CAWf$ (*2)
В	$25 \text{ t} \le \text{GVW}, 3.8 \text{ t} \le \text{CAWf (*2)}$
С	25 t ≤ GVW, 4.4 t ≤ CAWf (*2)
D	25 t ≤ GVW, 4.7 t ≤ CAWf (*2)

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



9 *Actual specifications may differ. 10