

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



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.

> Manually entering the number of parts of line in use allows for fine-tuned controls. 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.



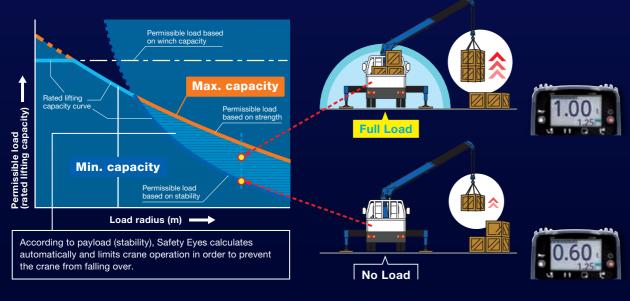


Safety Eyes



The Safety Eyes system consists of an Automatic Moment Limiter, a boom jack interlock system, a working height limiter, and other functions for monitoring operation.

This system makes safe work possible.



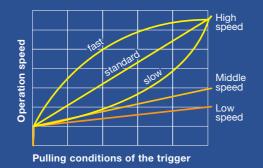
Carry Heavier Loads When Close

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.

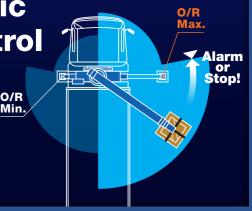


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Outriggers Asymmetric Extension Width Control

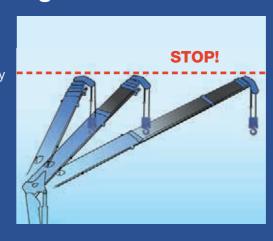
Optimum Lifting Performance at Any Outrigger Width

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.



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.



On radio controller

Emergency Stop

Use this switch to stop

controlled during crane

emergency. (Outrigger

operation does not stop.)

machine cannot be

operation, or in an

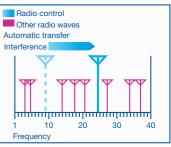
machine movement if the

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.

Anti-two-block Function

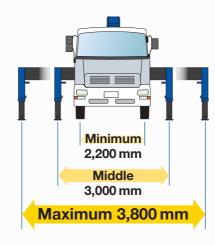
This function stops crane operation (hoisting up, boom elevation, and boom extension) when the hook block touches the weight, and warns the operator with an alarm, to prevent the hook block from hitting the boom head.

TM-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

TM-ZE550HRS series

Technical Specifications

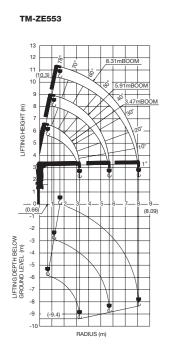
Model	TM-ZE553HRS	TM-ZE554HRS	TM-ZE555HRS									
CRANE CAPACITY	5,050 kg at 2.5 m (5-part line)											
DOO!	Three-sectioned, fully hydraulic telescoping	Four-sectioned, fully powered partly synchronized telescoping	Five-sectioned, fully powered partly synchronized telescoping									
BOOM	boom 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 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)												
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 oute	er), Mid. 3,000 mm center to center(3,160 mm outer to outer), N	flax. 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											
04557/ 05//050	Limit warning lamp, Outrigger length detector, Outrigger a	symmetric extension width control> •WHL (Working Height Li	miter) •Boom angle indicator •Load indicator •Load meter									
SAFETY DEVICES	Over-unwinding prevention	ention •Hook safety latch •Spirit level •Jack interlock •Stop sw	vitch 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 •Ou	trigger pads •Oil cooler •Tiltable jack float •Rear outriggers (ou	strigger beam non-extension type)									
ODANE MACO	Approx. 1,520 kg	Approx. 1,640 kg	Approx. 1,810 kg									
CRANE MASS	(Except crane options and mounting parts.) (Except crane options and mounting parts.) (Except crane options and mounting parts.)											

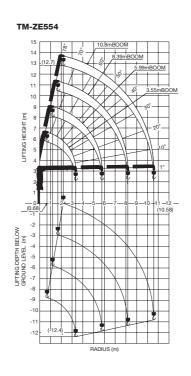
Note: Each operating speeds show the value when there is no load conditions and the pump delivery is the following conditions.

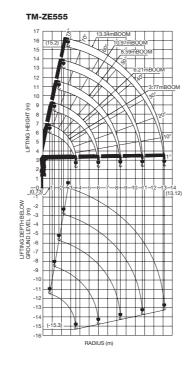
•36 L/min (Slewing speed)

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

Working Range



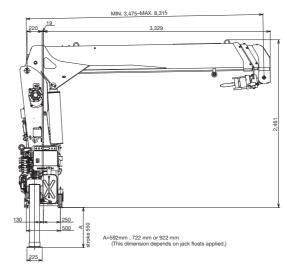


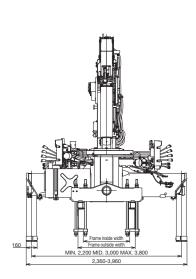


Note: The above lifting heights and boom angles are based on a straight (unladen) boom, and allowance should be made for boom deflection obtained under laden conditions.

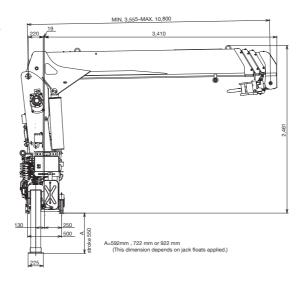
Dimensions

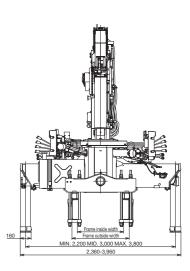
TM-ZE553



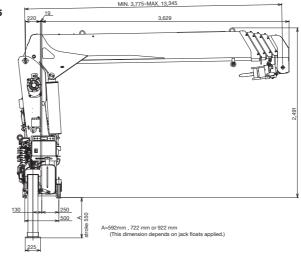


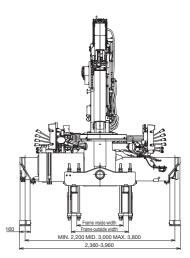
TM-ZE554





TM-ZE555





TM-ZE550HRS series

Rated Lifting Capacities

Table A		J										Tab	le B														
TM-ZE553HRS												TM-Z	E553HF	RS													
● 3.47 m Boom													7 m Boo	_													
LOAD RADIUS (m)		2.5 and below		2.95					3.25					(m)		2.5 and below	2.5 and 2.95					3.25					
CRANE STRENGTH		5,050			4,050				3,700				STREN			5,050			4,050			3,700					
EMPTY Extension MAX.		5,050			3,850	-			3,280				Extension			5,050			4,050			3,650					
CHASSIS width of outriggers MIN.		2,480			2,000				1,780				width of outriggers			2,980			2,330								
• 5.91 m Boom		2,400			1,700				1 m Boo			2,000			2,000			2,080									
LOAD RADIUS (m)	2.6 and below	2.8	2.95	3.8	4.1	4.5	:	5.0	5.5	5	5.69	_	RADIUS	_	2.6 and	, 2.8	2.95	3.8	4.1	4.	5	5.0	5.5	5.69			
						_			_		,080,				50101	4,050				_		2,380					
CRANE STRENGTH EMDTY Extension MAX.	4,050	4,050	4,050	3,130	2,930	2,63	_	2,380	2,180	_			Extension	_	4,050		4,050	3,130	2,930	_	_	2,080	2,180	2,080			
Livil Width of	4,050	4,050	3,850	2,680	2,430		_	1,730	1,430	_	,380	EMPTY CHASSIS	width of outriggers			4,050	4,050	3,130	-		_		1,780	1,680			
outriggers wint.	2,380	2,130	2,000	1,330	1,180	98	J	880	730	"	680				2,730	2,500	2,330	1,580	1,430	1,2	30	1,030	930	880			
8.31 m Boom	o c and lo	0 0 4		4 4 4	F F0	c c	0.0	0.5	7.0	7.5	0.00		1 m Boo		o c and	00 04		44 45	150		0.0	0.5	7.0	7.5 0.00			
	DOION	.0 3.4	_	4.1 4.		5.5	6.0	6.5	7.0	_	8.09		RADIUS	. ,	DEIUW	3.0 3.4		4.1 4.5	5.0	5.5	6.0	6.5		7.5 8.09			
CRANE STRENGTH		30 3,130		2,930 2,6		2,180	1,980	1,830	-	_	1,430		EXTREM(Extension			,130 3,130		,930 2,630	-	-	1,980	-		,530 1,430			
authorial Width of		30 3,130		2,430 2,0		1,430	1,330	1,180		930	830	EMPTY	width of	MAX.	3,130 3			,930 2,480	_	_	1,580	_		,130 1,030			
outriggers	2,380 1,9	950 1,530	1,330 1	1,180 98	880	730	630	580	530	480	430	UTINOOIO	width of outriggers	MIN.	2,730 2	,280 1,930	1,580 1	,430 1,230	1,030	930	780	730	650	580 530			
TM-ZE554HRS													E554HF														
● 3.55 m Boom		and											5 m Boo	_		and											
LOAD RADIUS (m)		2.5 and below			2.9				3.33				RADIUS			2.5 and below			2.9				3.33				
CRANE STRENGTH		5,050			4,050				3,550				STREN			5,050			4,050				3,550				
EMPTY Extension width of		5,050			3,900				3,250)			Extension width of			5,050			4,050)			3,550				
CHASSIS outriggers MIN.		2,630			2,080				1,680)		CHASSIS	wiath of outriggers	MIN.		2,880			2,380)		1,950					
● 5.99 m Boom													9 m Boo	_													
LOAD RADIUS (m)	2.5 and below	2.8	2.9	9 3	3.7	4.0	4.5	5	5.0	5.	.77	LOAD	RADIUS	(m)	2.6 and belo	w 2.8	2.9	3.	7	4.0	4	.5	5.0	5.77			
CRANE STRENGTH	4,050	4,050	4,05	50 3,	130	2,930	2,58	30	2,330	2,0	030	CRANE	STREN	GTH	4,050	4,050	4,05	0 3,1	30	2,930	2,5	580	2,330	2,030			
EMPTY Extension width of	4,050	4,050	3,90	00 2,	800	2,430	1,98	30	1,680	1,3	330	EMPTY	Extension width of		4,050	4,050	4,05	0 3,1	30	2,930	2,4	430	2,030	1,630			
CHASSIS outriggers MIN.	2,480	2,130	2,08	30 1,	380	1,180	930	0	830	6	50	CHASSIS	width of outriggers	MIN.	2,750	2,500	2,38	0 1,5	30	1,430	1,	180	980	780			
● 8.39 m Boom													9 m Boo														
LOAD RADIUS (m)	2.6 and below	3.0 3.7	4.0	4.5	5.0 5	5.5 6	.0 6	3.5	7.0	7.5	8.17	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 3,13	0 2,930	2,580	2,330 2,	080 1,9	930 1,	780 1	1,630 1,	,480	1,380		STREN			3,130 3,13	0 2,930	2,580 2	330 2	,080 1,	930	1,780	,630 1,	480 1,380			
EMPTY Extension width of	3,130 3,	130 2,80	0 2,430	1,980	1,680 1,	430 1,	180 1,	130 1	1,000	900	780	EMPTY	Extension width of	MAX.	3,130	3,130 3,13	0 2,930	2,430 2	030 1	,730 1,	480	1,380 1	,230 1,	080 980			
CHASSIS outriggers MIN.	2,480 1,	880 1,38	0 1,180	930	830 6	80 5	80 5	50	480 4	430	380	CHASSIS	outriggers	MIN.	2,750	2,280 1,58	0 1,430	1,180	980	830 7	'30	680	630 5	30 480			
● 10.8 m Boom													8 m Boo														
LOAD RADIUS (m)	3.5 and below	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.	0 1	10.58	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	2,130 2	2,030 1	1,780 1	,530	1,380	1,200	0 1,05	50 1	,000	CRANE	STREN	GTH	2,130	2,130 2	2,130 2	,030 1,7	780	1,530	1,380	1,20	0 1,05	0 1,000			
EMPTY Extension MAX.	2,130	2,130 1	,980	1,630 1	1,180 1	,000	800	680	580	0	550		Extension			2,130 2	2,130 1	,980 1,4	180	1,180	950	880	730	680			
CHASSIS width of outriggers MIN.	1,480	1,180	930	780	580	450	380	330	270	0 :	240	CHASSIS	width of outriggers	MIN.	1,730	1,430 1	1,180	930 7	30	580	480	430	350	330			
TM-ZE555HRS				'									E555HF														
● 3.77 m Boom												• 3.7	7 m Boo	om													
LOAD RADIUS (m)		2.5 and below			2.8				3.55			LOAD	RADIUS	(m)		2.5 and below			2.8				3.55				
CRANE STRENGTH		5,050			4,050				3,150)			STREN			5,050			4,050)			3,150				
EMPTY Extension MAX.		5,050			4,050				2,950			EMPTY Extension MAX. 5,050							4,050			3,150					
CHASSIS width of outriggers MIN.		2,580			2,200				1,430			CHASSIS	width of outriggers	MIN.		3,130			2,600			1,730					
● 6.21 m Boom		,			,				,				1 m Boo			-,			,				,				
LOAD RADIUS (m)	2.5 and below	2.8	3.6	3 3	3.9	4.5	5.0		5.5	5.	.99		RADIUS	_	2.5 and belo	2.8	3.6	3.9	9	4.5	5	5.0	5.5	5.99			
CRANE STRENGTH	4,050	4,050	3,13			2,530	2,23	_	1,980	_	780		STREN		4,050	4,050	3,13		_	2,530	_	230	1,980	1,780			
EMPTY Extension MAX.	4,050	4,050	2,93			1,930	1,63	_	1,380		130	EMPTY	Extension	_	4,050	4,050	3,13		_	2,430	_	980	1,680	1,430			
CHASSIS width of outriggers MIN.	2,580	2,200	1,38		180	930	730		630	_	500	CHASSIS	width of outriggers			2,600	1,68		_	1,130	_	30	780	650			
● 8.59 m Boom	_,		,,,,,,										9 m Boo		-,		1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 1,		.,							
LOAD RADIUS (m)	25 and 3	.0 3.4	3.6	3.9 4.	5 5.0	5.5	6.0	6.5	7.0	7.5	8.37		RADIUS		2 5 and	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				2,930 2,5	_					_	1,180							_	_	_		_					
Extension MAN			-			1,380		1,630		1,380				_	3,130 3	,130 3,130	_			_	1,780	_	-	,380 1,180			
CHASSIS width of outriggers MIN.	0,100 3,1	00 1 500	1,380 1		_	630	500	480		340	650 250	EMPTY CHASSIS				,280 1,850		,430 1,130	_		650	630					
	2,000 1,8	1,530	1,380 1	1,100 93	0 /30	030	300	40U	400	340	230					,∠00 1,850	1,060 1	,430 1,130	930	180	000	030	530	480 350			
10.97 m Boom	4 O and	15	E 0	0.0	7.0			0.0	10.0		0.75		97 m Bo	_		4.5	E 0	6.0	7.0		0	0.0	100	10.75			
LOAD RADIUS (m)	4.0 and below	4.5	5.0	6.0	7.0	8.0	_	9.0	10.0	_	0.75		RADIUS		DOIDII	4.5	5.0	6.0	7.0	8.		9.0	10.0	10.75			
CRANE STRENGTH	2,230	2,180	2,030	1,730	1,430	1,23		1,080	980	_	900		ESTRENO Extension width			2,180	2,030	1,730	1,430	_		1,080	980	900			
EMPTY Extension width CHASSIS of outriggers MAX.	2,230	1,930	1,580	1,130	900	70	0	550	500	4	450		Extension width of outriggers			2,180	1,930	1,430	1,130) 88	0	730	650	580			
• 13.34 m Boom													34 m Bo	_													
LOAD RADIUS (m)	5.0 and below	6.0	7.0	8.0	9.0	10.		11.0	12.0	_	3.12	_	RADIUS		DOION	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	88	-	800	730	-	650		STREN			1,330	1,230	1,080	980	_	-	800	730	650			
EMPTY Extension width CHASSIS of outriggers MAX.	1,430	1,130	900	700	550	50	0	430	400	3	350	EMPTY CHASSIS	Extension width of outriggers	MAX.	1,430	1,330	1,130	880	730	65	0	550	500	430			

Notes:

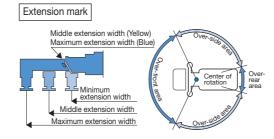
- 1. Rated capacity indicator issues warning with the limit warning lamp and the buzzer when the working state approaches limit or the strength limit.
- 2. When the AML is equipped with the rated capacity limiter, an operation stops automatically if the rated lifting capacity is exceeded.
- 3. When the 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. Empty chassis rated lifting capacity varies according to the working area.
- $\cdot \ \text{Front mounting <-over-rear area>: } 100\% < \text{over-front area>: } 25\% \ (\text{*1}) \ \text{or } 60\% \ (\text{*1}) \ \text{or } 100\% \ (\text{*1})$
- \bullet Rear mounting <over-front, over-rear area>; 100%<over-side area>; 30%
- *1: Depend on the types of chassis.
- 11. 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-7	E553HRS												_	
3.47 m Boom													7 m Boon												_	
LOAD RADIUS (m)		2.5 and below			2.95	5			3.25	5			RADIUS (n	_		2.5 and below			2.95				3.25			
CRANE STRENGTH		5,050	V		4,05			3,700				CRANE STRENGTH				5,050			4,050			3,700				
Extension MAX		5,050			4,05			3 700				FMDTV	Extension M	ΔX		5,050			4,050			3,700				
CHASSIS outriggers MIN.	N. 3,230 2,730						2,430					width of outriggers M	IN		3,430			2,730				2,430		_		
■ 5.91 m Boom									2,40				1 m Boon			0,400			2,700				2,700		_	
LOAD RADIUS (m)	2.6 and	2.8	2.95	3.8	4.1	4.	5	5.0	5.5		5.69		RADIUS (n	_	.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	2,93			2,380	2,18		2,080		STRENGT		,050	4,050	4,050	3,130	2,930		630	2,380	2,180		2,08	
Extension MAX.	4,050	4,050	4,050	3,130		_	_	2,380	2,13	_	2,030	EMPT/	Extension M	AX 4	,050	4,050	4,050	3,130	2,930	_	630	2,380	2,130	_	2,08	
HASSIS width of outriggers MIN.	3,130		2,730	1,830	_	_	_	1,180	1,03	_	980	CHASSIS	width of outriggers M	N 3	,230	2,900	2,730	1,830	1,630	_	430	1,180	1,030		980	
● 8.31 m Boom	0,.00	2,000	2,700	1,000	1 .,00	.,.		.,	1,00				1 m Boon		,200	2,000	2,700	1,000	1,000		.00	1,100	1,000	_		
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		RADIUS (n		and 3.	0 3.4	3.8	4.1 4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.	
CRANE STRENGTH	50011	3,130 3,130		_	30 2,38	_	1,980	1,830	1,680	1,530	1,430		STRENGT				_	2,930 2,630	_	2,180	_		1,680	1,530	1,4	
	3,130				30 2,38		1,880	1,730	1,530	1,380	_	FMDTV	Extension M		_		_	2,930 2,630	-	2,180	-		1,680	1,530	1,4	
EMPTY Extension width of outriggers MIN.		2,680 2,230			130 1,18		930	850	780	700	600	CHASSIS	width of outriggers M	IN. 3,1		80 2,230		1,630 1,430		1,030	_		780	700	6	
TM-ZE554HRS	0,100	2,000 2,200	,,,,,,,,	,000 1,	.00 1,10	0 1,000		000	. 00		1 000		E554HRS		.00 2,0	00 2,200	1,000	.,000 1,100	1,100	1,000	1 000	000	.00			
● 3.55 m Boom													5 m Boon												_	
LOAD RADIUS (m)		2.5 and below			2.9				3.33	3			RADIUS (n	_		2.5 and below			2.9				3.33			
CRANE STRENGTH		5,050	V		4,05				3,55				STRENGT	-		5,050			4,050			3,550				
EMPTY Extension MAX.		5,050							3,55				Extension M			5,050			4,050				3,550			
CHASSIS outriggers MIN.		5,050 4,050 3,280 2,750							2,28			CHASSIS	width of outriggers M	IN.		3,380			2,750		2,280					
● 5.99 m Boom		0,200			2,70				2,20				9 m Boon			0,000			2,700				2,200		_	
LOAD RADIUS (m)	2.6 an	d 2.8	2.9		3.7	4.0	4.	5	5.0	Ę	5.77		RADIUS (n		2.6 and below	2.8	2.9	3.7	7	4.0		1.5	5.0		5.77	
CRANE STRENGTH	4,050				,130	2,930	2,5		2,330		2,030		STRENGT		1,050	4,050	4,0			2,930	_	580	2,330	_	2,030	
EMPTY Extension MAX.	4,050		_	_	,130	2,930	2,5	_	2,330	_	2,030		Extension M		1,050	4,050	4,0			2,930	_	580	2,330	_	,030	
CHASSIS width of outriggers MIN.	3,130		_	_	_	1,630	_	1,380 1,130 930					width of outriggers M	IN 3	3,230	2,900					1,380 1,130 930					
University 1,870																										
LOAD RADIUS (m)	2.6 and helow	3.0 3.1	7 4.0	4.5	5.0	5.5 6	6.0	6.5	7.0	7.5	8.17		RADIUS (n		and 3	3.0 3.7	4.0	4.5	5.0 5	5.5	6.0	6.5	7.0	7.5	8.1	
CRANE STRENGTH	3,130	3,130 3,13	_	_	_		_	_	_	1,480	1,380		STRENGT	-		130 3,13				_	_			,480	1,3	
EMPTY Extension MAX.		3,130 3,13			-		_	_	_	1,350	1,180		Extension M			130 3,13					,930			,480	1,3	
CHASSIS outriggers MIN.	3,130	2,630 1,8	_				_			650	550	CHASSIS	width of outriggers M	N 3 1		630 1,87					830			650	55	
● 10.8 m Boom	0,.00	2,000 1,0	1,000	1,000	1,100	000 0	00	. 00		000			B m Boon		.00 2,	1,07	,,,,,,,	1,000 1,	.00 0		000	700		000		
LOAD RADIUS (m)	3.5 and	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10	0.0	10.58		RADIUS (n		5 and below	4.0	4.5	5.0 6	.0	7.0	8.0	9.0	10.	0	10.5	
CRANE STRENGTH	2,130					1,530	1,380	1,20	_		1,000		STRENGT	$\overline{}$				2,030 1,7		,530	1,380	_			1,00	
EMPTY Extension MAX.	2,130			_	1,780	1,480	1,200	1,03			830	FMPT/	Extension M	1X 2						,530	1,380	_	_		1,00	
CHASSIS width of outriggers MIN.	1,930			1,080	780	730	550	500	_		380	CHASSIS	width of outriggers M	N 1				1,080 78		730	550	500	_	_	380	
TM-ZE555HRS	1,000	1,000	1,000	1,000	700	700	000	000	70				E555HRS		,000	1,000	,,,,,,	1,000	00	700	000	000	1 40	<u> </u>		
● 3.77 m Boom												_	7 m Boon												_	
LOAD RADIUS (m)		2.5 and below			2.8				3.55	5			RADIUS (n			2.5 and below			2.8				3.55			
CRANE STRENGTH		5,050	V		4,05				3,15				STRENGT	-		5,050			4,050		3,150					
EMPTY Extension MAX.		5,050			4,05				3,15				Extension M			5,050			4,050		3,150					
HASSIS width of outriggers MIN.		3,130			2,80				1,93			CHASSIS	width of outriggers M	n of gers MIN. 3,380 2,800							1,930					
● 6.21 m Boom		0,100			2,00				1,00				1 m Boon			0,000			2,000				1,000			
LOAD RADIUS (m)	2.5 an	d 2.8	3.6		3.9	4.5	5.	n l	5.5	1	5.99		RADIUS (n		2.5 and below	2.8	3.0	3.9	1	4.5	-	5.0	5.5	1	5.99	
CRANE STRENGTH	4,050		_		,930	2,530	2,2	_	1,980	_	,780		STRENGT		4,050	4,050	3,1			2,530	_	230	1,980	_	,780	
EXTENSION MAX	4,050		_	_	,930	2,530	2,2	_	1,980		,730		Extension M		4,050	4,050	3,1			2,530		230	1,980		,780	
CHASSIS outriggers MIN.	3,130	_	_		,630	1,330	1,0	_	930	_	780	CHASSIS	width of outriggers M	IN 3	3,380	2,800	1,8			1,330	_	080	930	_	780	
8.59 m Boom	5,100	2,000	1,00		,500	.,500	1,0		550	т.			9 m Boon		.,000	,000	1,00	1,00		.,000	1 ',		550			
LOAD RADIUS (m)	25 and	3.0 3.4	3.6	3.9 4	.5 5.0	5.5	6.0	6.5	7.0	7.5	8.37		RADIUS (n		and 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	3 130											CBANIC	STRENGT	1/ 2.J	130 3 1											
Extension HAV	3 130	3 130 3 130	3 130 2	930 2,5	30 2 22	0 1,900	1,700	1,000	1,400	1 250	1,100	CHANE	Extension M	NV 2 1	20 2 1	20 2 120	2 120 4	020 2520	2 220	1 000	1,700	1,030	1,400	1 380	1,	
EMPTY Extension width of outriggers MIN.	3 130	2 580 2 100	1 880	630 1 2	30 1 00	0 030	780	700	630	550	430	EMPTY CHASSIS	width of	N 2 1	30 2 5	80 2 100	1 880	1,630 1,330	1 1 020	930	780		630	550	4:	
		2,000 2,100	, 1,000	,000 1,0	7,00	0 000	700	700	000	550	+30		outriggers M		100 [2,0	00 2,100	1,000	1,000 1,000	1,000	550	100	700	000	550	L 4	
0 10.97 m Boom LOAD RADIUS (m)		4.5	5.0	6.0	7.0	8.	1	9.0	10.0	1 4	10.75		RADIUS (n	_	∩ and	15	5.0	6.0	7.0	0	n I	9.0	10.0		10.7	
CRANE STRENGTH	DUN			_	_	_	_		_	_			E STRENGT	-	.0 and below	2.190	2.020	6.0	7.0	_	3.0	9.0	10.0			
			2,030	1,730	_		_	1,080	980	_	900				2,230	2,180	2,030	1,730	1,430	_	230	1,080	980		900	
EMPTY Extension width of outriggers MAX.		2,180	2,030	1,730	1,40	0 1,1	JU	950	800		730		Extension width of outriggers M		2,230	2,180	2,030	1,730	1,430	1,2	230	1,080	980		900	
13.34 m Boom			7.0				0	44.0	40.5		10.10		34 m Boo		o and	0.0	7.0	0.0	0.0		0.0	44.0	40-		10	
LOAD RADIUS (m)	5.0 and belo		7.0	8.0	9.0		_	11.0	12.0	_	13.12	_	RADIUS (n	-	.O and below	6.0	7.0	8.0	9.0	_	0.0	11.0	12.0		13.1	
CRANE STRENGTH	1,430	1,330	1,230	1,080	980	88	U	800	730)	650		EXTRENGT Extension width of outriggers		,430	1,330	1,230	1,080	980	8	80	800	730		650	
EMPTY Extension width CHASSIS of outriggers MAX.	1,430	1,330	1,230	1,080	950	80		700	630		530				,430	1,330	1,230	1,080	980		80	800	730		650	

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Α	15 t ≤ GVW, 2.9 t ≤ CAWf (*2)
В	25 t \leq GVW, 3.8 t \leq 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).



 $\mathbf{9}$