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Reaching new heights

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TADANO

TRUCK LOADER CRANES

TM-ZE550MH Series

TM-ZE553MH
TM-ZE554MH
TM-ZE555MH

TADANO

IDEAL Truck Loader Crane

The ZE features all the Tadano Truck Loader Crane technologies that are recognized the world over.
The key development concepts remain: EXCELLENT QUALITY, EASY OPERATION AND EASY MAINTENANCE.
The TM-ZE550 with the maximum lifting capacity 5.05 tons
has a choice of 3 different lengths of the boom to
meet your lifting requirements.

Hook-in System

TM-ZE550 features
the "Hook-In" system to further
enhance work efficiency.
A pull of a lever and the crane
hook is stowed automatically.
No more manual fixing.

Responding to Operator's Command

Equipped with optimally matched, high-performance control valves, the operating levers provide improved responsiveness and fine-tuned control.
Operation is fast or slow in accordance with operator's command.
The stainless rods between the left and right operation levers are provided as standard.

CONTROL LEVER

Centralized Control Panels

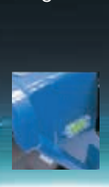
Installed on both sides of the slewing post are the centralized control panels where operating switches and the lifting charts needed for crane operation are grouped together and arranged on a single panel.

LEFT-HAND SIDE

RIGHT-HAND SIDE

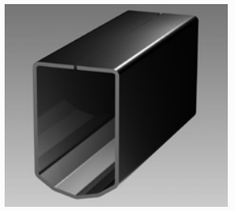
Quicker Work with Advanced Outrigger Mechanism

The outrigger beams can be easily operated, using a grip to lock/release and extend/retract them.
The new lock system prevents the outrigger beams from extending during traveling.
A level gauge is provided as standard equipment.



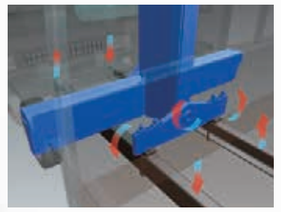
New Heptagonal Boom

Tadano's unique heptagonal boom is even more strong. And the new boom has a structure of bended one-piece steel plate for lighter boom weight and powerful lifting capability.
Special valves enable smooth boom extension and retraction for smoother operation to reduce a shock when telescoping the boom.
The cables and sheaves are all internal–for a clean, clutter-free appearance.



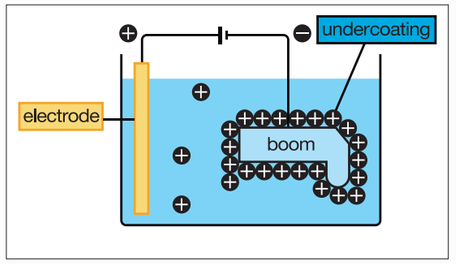
Three-Point Support System (Equalizer Crane Support)

Tadano's Equalizer Crane Support protects the truck frame from stress.
The crane is mounted to the truck chassis with the Equalizer Crane Support that evenly distributes the load to prevent excessive stress concentration at any one point.



Cationic Electro-Deposition Coating

The crane is undercoated by Cationic Electro-deposition method.
The parts are dipped in cationic solution, and even the narrow inner booms and frames are thoroughly undercoated.



Stronger Winch

The advantages of the enlarged winch drum and plunger motor are evident during start-up when maximum power is required. Re-hoisting with a load on the hook can also be handled with ease.
The winch reduction gear comes equipped with a failsafe automatic brake.
From the pitch of the drum grooves to the fitting of the guide sheave, cable winding has been improved in every detail so as to prevent the cable from winding off position.

Full Circle, Continuous Slewing

The newly designed compact slewing post improves performance providing FULL CIRCLE, continuous rotation for more efficient operations.
AUTOMATIC SLEWING LOCK: The boom is mechanically locked at the slewing post base which prevents boom rotation during traveling.

Photo: TM-ZE553MH

*Actual specifications may differ.

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TM-ZE550MH series

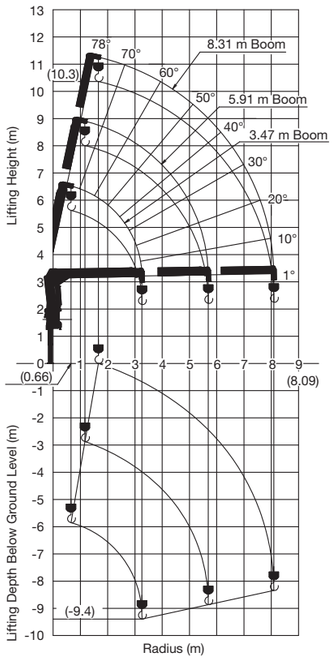
Technical Specifications

Model	TM-ZE553MH	TM-ZE554MH	TM-ZE555MH
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.	Hydraulic motor driven spur gear speed reduction, provided with mechanical brake and cable follower.	
Single line pull	9.90 kN{1010 kgf}		
Single line speed	66 m/min (at 4th layer)		
Wire rope (Diameter x length)	8 mm x 67 m	8 mm x 82 m	8 mm x 97 m
Wire rope (Breaking strength)	50.1 kN{5.1 tf}		
Wire rope (Construction)	7 x 7 + 6 x WS(26)		
Hook block	2 sheaves		
HOOK BLOCK STOWING DEVICE	Hook-in (Mechanically stowed beneath boom top portion)		
SLEWING	•Hydraulic motor driven worm gear speed reduction •Continuous 360° full circle slewing on ball bearing slew ring •Automatic slewing lock		
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		
SAFETY DEVICES	•Anti-two-block-device •Boom angle indicator •Load indicator •Load meter •Hook safety latch •Spirit level •Hydraulic safety valves, check valves and holding valves		
OPTIONAL EQUIPMENT	•Emergency hydraulic pump •Outrigger pads •Oil cooler •Rear outriggers (outrigger beam non-extension type) •Large capacity oil tank		
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.)

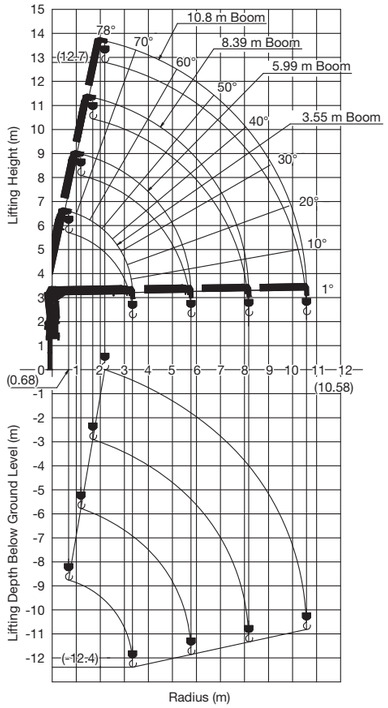
NOTE: Each operating speeds show the value when there is no load conditions and the pump delivery is the following conditions.
- 36 L/min (Slewing speed)
- 60 L/min (BOOM: Extending speed, Raising speed WINCH: Single line speed)

Working Range

TM-ZE553MH



TM-ZE554MH



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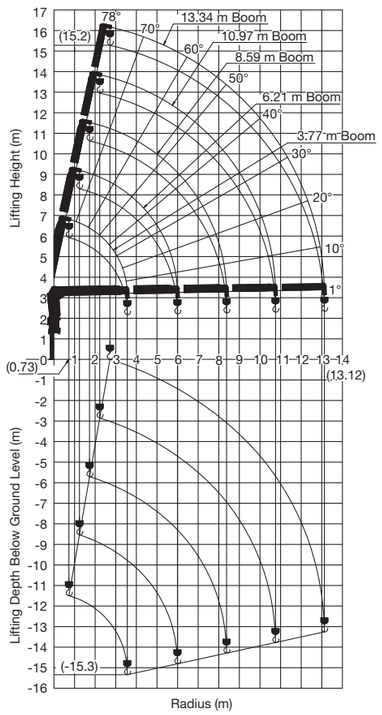


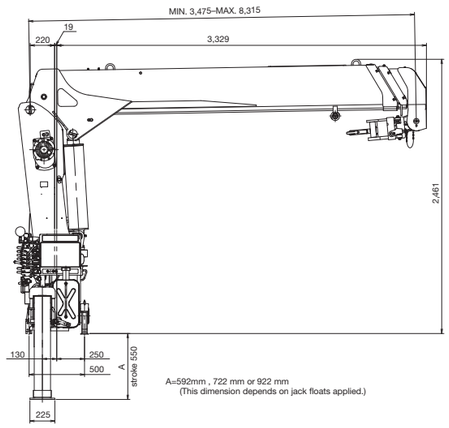
NOTE : The above lifting heights and boom angles are based on a straight (unladen) boom, and allowance should be made for boom deflection obtained under laden conditions.

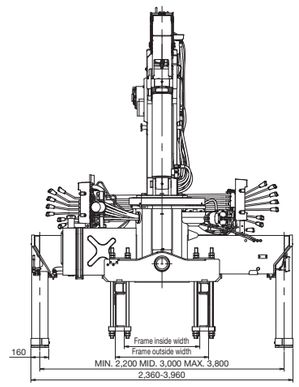
*Actual specifications may differ.

Dimensions

(mm)

TM-ZE553





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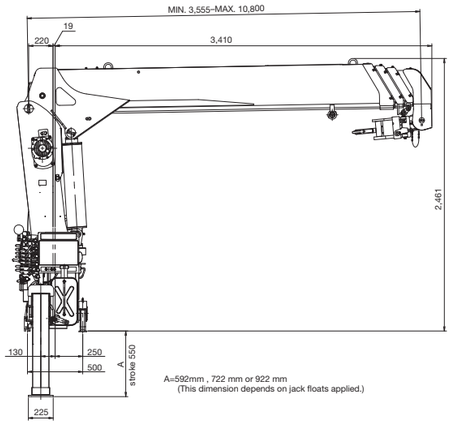

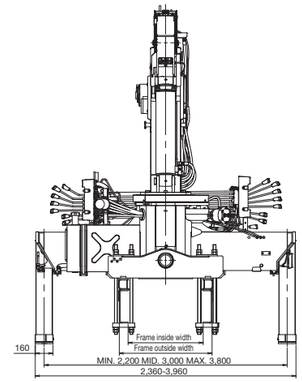

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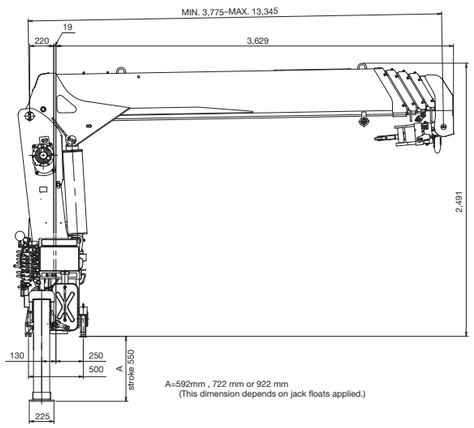
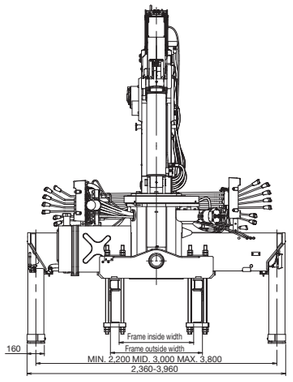




*Actual specifications may differ.

TM-ZE550MH series

Rated Lifting Capacities

Table A

TM-ZE553MH

● 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-ZE554MH

● 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	2,030
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-ZE555MH

● 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	5.99
CRANE STRENGTH			4,050	4,050	3,130	2,930	2,530	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
		MIN.	2,580	2,200	1,380	1,180	930	730	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	450

● 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

Table B

TM-ZE553MH

● 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	3,650
		MIN.	2,980	2,330	2,080

● 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	2,480	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 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	2,480	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-ZE554MH

● 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.	2,880	2,380	1,950

● 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	2,430	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 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	2,430	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 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	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-ZE555MH

● 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	2,600	1,730

● 6.21 m Boom

LOAD RADIUS (m)			2.5 and below	2.8	3.6	3.9	4.5	5.0	5.5	5.99
CRANE STRENGTH			4,050	4,050	3,130	2,930	2,530	2,230	1,980	1,780
EMPTY CHASSIS	Extension width of outriggers	MAX.	4,050	4,050	3,130	2,930	2,430	1,980	1,680	1,430
		MIN.	3,130	2,600	1,680	1,430	1,130	930	780	650

● 8.59 m Boom

LOAD RADIUS (m)			2.5 and below	3.0	3.4	3.6	3.9	4.5	5.0	5.5	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	2,130	1,880	1,680	1,430	1,280	1,130	1,030	830
		MIN.	2,730	2,280	1,930	1,680	1,430	1,130	930	780	650	630	530	480	350

● 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	1,930	1,430	1,130	880	730	650	580

● 13.34 m Boom

LOAD RADIUS (m)			5.0 and below	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.12
CRANE STRENGTH			1,430	1,330	1,230	1,080	980	880	800	730	650
EMPTY CHASSIS	Extension width of outriggers	MAX.	1,430	1,330	1,130	880	730	650	550	500	430

Table C

TM-ZE553MH

● 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-ZE554MH

● 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	5.77
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.	3,130	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-ZE555MH

● 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	2.8	3.6	3.9	4.5	5.0	5.5	5.99
CRANE STRENGTH			4,050	4,050	3,130	2,930	2,530	2,230	1,980	1,780
EMPTY CHASSIS	Extension width of outriggers	MAX.	4,050	4,050	3,130	2,930	2,530	2,230	1,980	1,730
		MIN.	3,130	2,800	1,880	1,630	1,330	1,080	930	780

● 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	2,230	2,030	1,830	1,650	1,480	1,350	1,180	1,030
		MIN.	3,130	2,630	1,870	1,630	1,380	1,130	930	830	780	730	650	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

● 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

Table D

TM-ZE553MH

● 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	2,180	2,080
		MIN.	3,230	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	2,180	1,980	1,830	1,680	1,530	1,430
		MIN.	3,130	2,680	2,230	1,830	1,630	1,430	1,180	1,030	930	850	780	700	600

TM-ZE554MH

● 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	1,380	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	1,930	1,780	1,630	1,480	1,380
		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	1,050	1,000
		MIN.	1,930	1,630	1,330	1,080	780	730	550	500	430	380

TM-ZE555MH

● 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	5.99
CRANE STRENGTH			4,050	4,050	3,130	2,930	2,530	2,230	1,980	1,780
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

● 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	2,330	2,030	1,930	1,780	1,630	1,480	1,380	1,180
		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	900

● 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	650

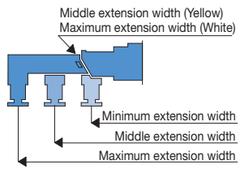
Notes:

1. Empty Chassis Rated Capacities in these tables depend on condition that crane is set level on firm level ground.
2. This value includes the mass of lifting devices such as hook block (45kg).
3. When the outriggers are extended to the middle width, read the capacities rated for the minimum extension width.
4. TM-ZE555MH: Fully extend the front outriggers when working with a boom length exceeding 8.59m.
5. This load radius shows actual load radius which includes boom deflection.
6. If the boom length exceeds the table value even a little, the performance is limited to the performance of the next boom length.
7. TM-ZE554MH: 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-ZE555MH: 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.
8. Empty chassis rated lifting capacity varies according to the working area.
   ・Front mounting <over-side, over-rear area>：100%
   <over-front area>：25%
9. Empty Chassis Rated Capacities table A, B, C and D depend on the types of chassis. (The following table shows guidelines for bodywork vehicles that can achieve the rated lifting capacity tables A, B, C and D for vehicles. The rated lifting capacity may not be applicable depending on vehicle specifications. Be sure to carry out a stability inspection to determine which rated lifting capacity tables to apply.)

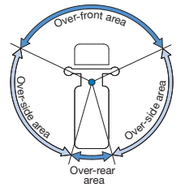
A	15 t ≤ GVW, 2.9 t ≤ CAWf (*1)
B	25 t ≤ GVW, 3.8 t ≤ CAWf (*1)
C	25 t ≤ GVW, 4.4 t ≤ CAWf (*1)
D	25 t ≤ GVW, 4.7 t ≤ CAWf (*1)

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

Extension mark



Front mounting



*Actual specifications may differ.

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