

TM-ZE500G/500 For Large Size Vehicles



 TADANO
 Lifting your dreams

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TRUCK LOADER CRANE

IDEAL Cargo Crane, TADANO ZE

PADANO

AUB 500

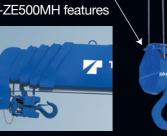
The ZE features all the Tadano Cargo Crane technologies that are recognized the world over. The key development concepts remain: EXCELLENT QUALITY, EASY OPERATION AND EASY MAINTENANCE.

The TM-ZE500G with the maximum lifting capacity of 4.04 tons has a choice of 3 different lengths of the boom while the TM-ZE500 with the maximum lifting capacity of 3.13 tons has a choice of 4 different lengths of the boom, to meet your lifting requirements.

HOOK IN SYSTEM

The TM-ZE500GMH and TM-ZE500MH 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.



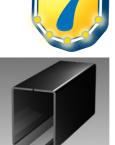
NEW HEPTAGONAL BOOM

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.

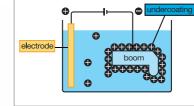




CATIONIC ELECTRO-DEPOSITION COATING

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.



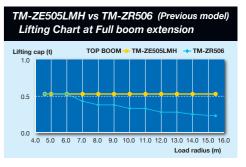
* Except 5L section boom

NEW FIVE-SECTION LONG BOOM

The TM-ZE505L with a five-section long boom makes its debut in the market, supplanting the previous TM-ZR506 with a six-section boom.

The newly developed five-section boom makes the same length as the conventional six-section boom and

enhances crane performance by max. 130% compared to the conventional six-section boom.



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

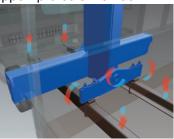
for more efficient operations. AUTOMATIC SLEWING LOCK: The boom is mechanically locked at the slewing post base which prevents boom rotation during traveling.



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.



TM-ZE500G series



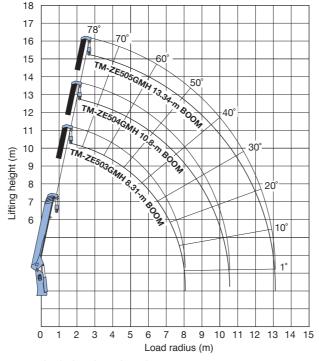
QUICKER WORK WITH ADVANCED OUTRIGGER MECHANISM

The outrigger beams can be easily operated, using a grip



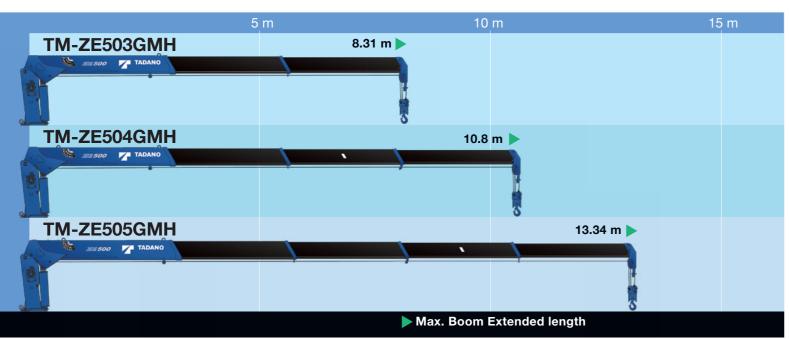


WORKING RANGE



NOTES FOR WORKING RANGE: Boom deflection, and subsequent radius and boom angle change must be accounted for when applying load to hook.





The cables and sheaves are all internal - for a clean, clutter - free appearance.

TECHNICAL SPECIFICATIONS

MODEL	TM-ZE503GMH*		TM-ZE504GMH*			TM-ZE505GMH*							
CRANE CAPACITY	4,040 kg at 2.95 m		4,040 kg at 2.9 m			4,040 kg at 2.8 m							
	(5-parts of line) (5-parts of line							f line)					
BOOM	Fully	powered	telescoping boom of hepta	gonal bo	ox const	ruction.							
Number of sections	3		4	-			5						
Length	3.47 m - 8.31 m		3.55 m - 10.8 m			3.7	7 m - 13	3.34 m					
Extending speed	4.84 m / 18 s		7.25 m / 21 s			g).57 m /	25 s					
Elevating range/speed			1° to 78° / 12 s										
Max. lifting height**	Approx. 10.3 m**		Approx. 12.7 m** Approx. 15.2 m**										
Max. load radius**	8.09 m**												
WINCH	Hydraulic motor driven.												
	Spur gear speed reduction, provided with mechanical brake.												
Max. single line pull	7.92 kN {808 kgf}												
Max. single line speed	76 m/min. (at 4th layer) 8 mm x 67 m 8 mm x 82 m 8 mm x 97 m												
Wire rope (Diameter x length)	8 mm x 67 m	3 mm x 9	97 m										
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 extended sliders and hydraulically extended jac													
	Integral with crane frame												
Extension width	Max. : 3.8 m, Mid. : 3.0 m, Min. : 2.2 m												
HYDRAULIC SYSTEM													
Control valves	Multiple control valves with integral safety valves												
STANDARD SAFETY DEVICES	Load meter Load indicator Anti-two-block alarm Hoisting limiter P.T.O. indicator lamp												
	 Hook safety latch Hydraulic safety valves, check valves and holding valves Level gauge 												
SUITABLE TRUCKS	Gross vehicle mass 12,000 to 25,000 kg												
	* WITH HOOK STOWING DEVICE. Mechanically stows hook beneath boom head. ** Boom deflection, and subsequent radius and boom angle change must be accounted for when applying load to hook												
			deflection, and subsequent radius and b	oom angle	change mus	t be accou	nted for whe	en applying	oad to hook				
RATED LIFTING CAPACIT	IES (With empty chass	is)											
Table A			Table C										
TM-ZE503GMH			TM-ZE503GMH										
• 3.47-m/5.91-m boom			• 3.47-m/5.91-m boom					1					
Load radius (m) 2.8 ^{and} _{below} 3.3 3.6	4.1 4.5 5.0 5.5	5.69	Load radius (m) 2.95 ^{and} below	3.8	4.1	4.5	5.0	5.5	5.69				

3.47-m/5.91-m boom 9.4 Load radius (m) 2.8 ### 3.3.6 4.1 4.5 5.0 5.5 5.69 Rated lifting capacity (kg) 3.130 2.680/2.430/2.0301,730 1.430 1.380 88a I.oad radius (m) 3.4 ### 3.8 4.1 4.5 5.0 6.5 7.0 7.5 8.90 Rated lifting capacity (kg) 3.130 2.680/2.430/2.0301,730 1.430 1.330 1.801 1.030 930 830 TM-ZE504GMH 3.55-m/5.99-m boom 1.08 1.080 1.680 1.330 1.330 1.880 1.680 1.330 1.030 900 700 5.0 5.5 6.0 6.5 7.0 7.5 8.17 Rated lifting capacity (kg) 3.130 2.930/2.4301,9801,6801,4301,1801,1301,000 900 700 550 5.0 6.0 7.0 7.5 8.17 Load radius (m) 3.0 #### 4.5 5.0 6.0 7.0 8.0 9.0 10.0 10.58 Rate Rate 8.3 8.3 8.3 1.100 1.000 800	E503GMH m/5.91-m boom dius (m) 2.95 below 3.8 4.1 4.5 5.0 5.5 5.69 grapacity (kg) 4.040 3.130 2.930 2.630 2.380 2.130 2.030 n boom 3.8 below 4.1 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.09 grapacity (kg) 3.130 2.930 2.630 2.380 2.130 1.880 1.730 1.530 1.380 1.230 E504GMH m/5.99-m boom statistics (m) 2.9 below 3.7 4.0 4.5 5.0 5.77 grapacity (kg) 4.040 3.130 2.930 2.580 2.330 2.030 mboom statistics (m) 3.130 2.930 2.580 2.330 1.800 1.650 1.480 1.350 1.180 m/d cas (m) 3.130 2.930 2.580 1.800 1.650 1.480 1.350 1.180 mg capacity (kg) 2.130 2.9	
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Pated lifting capacity (kg) 2,230 1,930 1,580 1,130 900 700 550 500 450 • 13.34-m boom • 3.4 • 13.34-m boom • 3.4 • 0.34	ng capacity (kg) 2,230 2,180 2,030 1,730 1,400 1,100 950 800 730 -m boom dius (m) 5.0 and 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.12	
• 13.34-m boom • 13.34-m boom Load radius (m) 5.0 mm/s (kg) 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.12 Rated lifting capacity (kg) 1,430 1,130 900 700 550 500 430 400 350 Table B TM-ZE503GMH • 3.47-m/5.91-m boom • 3.47-m/5.91-m boom • 3.47-m/5.91-m boom • 3.49 4.04 0,3380 2,930 2,480 2,080 1,780 1,680 • 8.31-m boom Load radius (m) 3.8 mm/s 4.1 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.09 Rated lifting capacity (kg) 4.040 3,130 2,930 2,480 2,080 1,780 1,430 1,280 1,130 1,030 TM-ZE504GMH • 3.55-m/5.99-m boom • 3.7 4.0 4.5 5.0 5.7 0 7.5 8.09 Rated lifting capacity (kg) 4.040 3,130 2,930 2,480 2,080 1,780 1,430 1,280 1,130 1,030 TM-ZE504GMH • 3.55-m/5.99-m boom • 0.08-m boom • 10.8-m boom • 10.0 10.58 • 10.0 10.	-m boom dius (m) 5.0 ^{and} 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.12	
Load radius (m) 5.0 m/m/m 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.12 Rated lifting capacity (kg) 1,430 1,130 900 700 550 500 430 400 350 Table B TM-ZE503GMH State TM-State 5.0 5.5 5.69 Rated TM-State 5.0 5.5 5.69 Rated Rated TM-State 5.0 5.5 5.69 Rated Rated Rated Rated Rated Rated Rated Rated State State State State Rated	udius (m) 5.0 and 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.12	
Fated lifting capacity (kg) 1,430 1,130 900 700 550 500 430 400 350 Table B TM-ZE503GMH • 3.47-m/5.91-m boom • 3.47-m/5.91-m boom Coad radius (m) 2.95 bids 3.5 4.1 4.5 5.0 5.5 5.69 Rated Rated Rated Rated Rated Load radius (m) 2.95 bids 3.380 2.930 2.480 2.080 1.780 1.680 Rated Rat		
Table B TM 2.55 m/5.99 m boom 3.5 4.1 4.5 5.0 5.5 5.69 Rated lifting capacity (kg) 4.040 3.380 2.930 2.480 2.080 1,780 1.680 • 8.31-m boom • 3.4 4.5 5.0 5.5 5.69 Rated Iting capacity (kg) 4.040 3.380 2.930 2.480 2.080 1,780 1.680 • 8.31-m boom 3.8 m/s 4.1 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.09 Rated lifting capacity (kg) 3.130 2.930 2.480 1.780 1.320 1.301 1.030 Load radius (m) 2.9 m/s 3.7 4.0 4.5 5.0 5.77 Rated lifting capacity (kg) 4.040 3.130 2.930 2.430 2.030 1.630 • 0.3 - m boom • 0.0 5.5 6.0 6.5 7.0 7.5 8.17 Rated lifting capacity (kg) 3.130 2.930		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		
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Load radius (m) 2.95 before 3.5 4.1 4.5 5.0 5.5 5.69 Rated lifting capacity (kg) 4,040 3,380 2,930 2,480 2,080 1,780 1,680 • 8.31-m boom	E503GMH	
Rated lifting capacity (kg) 4.040 3.380 2.930 2.480 2.080 1.780 1.680 • 8.31-m boom • 8.331-m boom • 8.355-m/5.99-m boom • 8.39-m boom • 8.39-m boom • 8.39-m boom • 8.339-m boom • 8.39-m boom • 8.339-m boom • 8.39-m boom • 8.331-m boom • 8.331-m boom • 8.330-m boom • 9.00 1.0.80 9.800 • 1.00 • 1.00 • 8.330-m boom • 9.00 1.0.00 • 8.330-m boom • 9.00 1.0.00 • 9.00 1.0.00 <t< td=""><td>m/5.91-m boom</td></t<>	m/5.91-m boom	
• 8.31-m boom • 8.32-m boom • 8.33-m boom<	dius (m) 2.95 and 3.8 4.1 4.5 5.0 5.5 5.69	
Load radius (m) 3.8 bidow 13.8 bidow 4.1 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.09 Rated lifting capacity (kg) 3,130 2,930 2,480 2,080 1,780 1,580 1,430 1,280 1,130 1,030 TM-ZE504GMH - - - - - - - 3.5 Load radius (m) 2.9 bidow 3.7 4.0 4.5 5.0 5.77 Rated - - - - - 3.5 - - - - 3.5 - - - - 3.5 - - - 3.5 - - - 3.5 - - - 3.5 - - - 3.5 - - - 3.5 - - - 3.5 - - - 3.5 - - - 3.5 - - - - 3.3 -	ng capacity (kg) 4,040 3,130 2,930 2,630 2,380 2,180 2,080	
Rated lifting capacity (kg) 3,130 2,930 2,480 2,080 1,780 1,580 1,430 1,280 1,130 1,030 TM-ZE504GMH 3,55-m/5.99-m boom 5.0 5.77 Rated lifting capacity (kg) 4,040 3,130 2,930 2,430 2,030 1,630 4.35 5.0 5.77 Rated lifting capacity (kg) 4,040 3,130 2,930 2,430 2,030 1,630 8.39 Load radius (m) 2.9 mom 4.0 4.5 5.0 5.77 Rated lifting capacity (kg) 4,040 3,130 2,930 2,430 2,030 1,630 8.33 Load radius (m) 3.7 mom 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.17 Rated lifting capacity (kg) 3,130 2,930 2,430 1,380 1,380 1,380 980 10.0 1.0.4 m boom 1.0.4 m boom 1.0.8 m boom 10.0 10.08 10.0 10.08 10.0 10.08 10.0 10.0 1	n boom	
TM-ZE504GMH TM- • 3.55-m/5.99-m boom • 3.5 Load radius (m) 2.9 model Joad radius (m) 2.9 model Joad radius (m) 3.7 Ated lifting capacity (kg) 4,040 Joad radius (m) 3.7 model Load radius (m) 3.130 2.930 Load radius (m) 3.7 model Load radius (m) 3.7 model Load radius (m) 4.0 Load radius (m) <td>dius (m) 3.8 and 4.1 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.09</td>	dius (m) 3.8 and 4.1 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.09	
• 3.55-m/5.99-m boom • 3.55-m/5.99-m boom • 3.55 Load radius (m) 2.9 below 3.7 4.0 4.5 5.0 5.77 Rated lifting capacity (kg) 4,040 3,130 2,930 2,430 2,030 1,630 8.39-m boom - - - - - 8.15 Load radius (m) 3.7 below 4.0 4.5 5.0 5.77 8.17 Rated lifting capacity (kg) 3,130 2,930 2,430 1,380 1,230 1,080 980 • 10.8-m boom - - - - - 10.0 10.58 Icad radius (m) 4.5 below 5.0 6.0 7.0 9.0 10.0 10.58 Rated lifting capacity (kg) 2,130 1,980 1,480 1,180 950 880 730 680	ng capacity (kg) 3,130 2,930 2,630 2,380 2,180 1,980 1,830 1,680 1,530 1,430	
Load radius (m) 2.9 and boto 3.7 4.0 4.5 5.0 5.77 Rated lifting capacity (kg) 4,040 3,130 2,930 2,430 2,030 1,630 • 8.39-m boom -	E504GMH	
Rated lifting capacity (kg) 4,040 3,130 2,930 2,430 2,030 1,630 Rated • 8.39-m boom • 8.39-m boom • 8.39-m boom • 8.3 • 8.3 • 8.3 • 8.3 • 8.3 • 8.3 • 8.3 • 8.3 • 8.3 • 8.3 • 9.0 • 9.0 7.5 8.17 • 10.8-m boom • 10.0 10.58 • 10.0 10.08 980 • 10.0 10.08 • 10.0	m/5.99-m boom	
• 8.39-m boom • 8.39-m boom • 8.39-m boom • 8.39-m boom • 8.3 Load radius (m) 3.7 md/self 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.17 Rated lifting capacity (kg) 3.130 2.930 2.430 2.030 1.730 1.480 1.380 1.230 1.080 980 • 10.8-m boom • • • 0.0 7.0 8.0 9.0 10.0 10.58 Rated lifting capacity (kg) 2.130 1.980 1.480 1.180 950 880 730 680	dius (m) 2.9 and 3.7 4.0 4.5 5.0 5.77	
Load radius (m) 3.7 model 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.17 Rated lifting capacity (kg) 3,130 2,930 2,430 2,030 1,730 1,480 1,380 1,230 1,080 980 • 10.8-m boom • 0.0 • 0.0 • 0.0 • 0.0 10.0 10.58 Rated lifting capacity (kg) 2,130 1,980 1,480 1,180 950 880 730 680	ng capacity (kg) 4,040 3,130 2,930 2,580 2,330 2,030	
Rated lifting capacity (kg) 3,130 2,930 2,430 2,030 1,730 1,480 1,380 1,230 1,080 980 • 10.8-m boom • 10. • 10.8-m boom • 10.0 • 10.0 • 10.0 Load radius (m) 4.5 and more than 1,980 1,480 1,180 950 9.0 10.0 10.58 Rated lifting capacity (kg) 2,130 1,980 1,480 1,180 950 880 730 680	n boom	
• 10.8-m boom • 10.8-m boom • 10.8-m boom • 10. Load radius (m) 4.5 and below 5.0 6.0 7.0 8.0 9.0 10.0 10.58 Rated lifting capacity (kg) 2,130 1,980 1,480 1,180 950 880 730 680	dius (m) 3.7 and 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.17	
Load radius (m) 4.5 and below 5.0 6.0 7.0 8.0 9.0 10.0 10.58 Load Rated lifting capacity (kg) 2,130 1,980 1,480 1,180 950 880 730 680 Rated	ing capacity (kg) 3,130 2,930 2,580 2,330 2,080 1,930 1,780 1,630 1,480 1,380	
Rated lifting capacity (kg) 2,130 1,980 1,480 1,180 950 880 730 680 Rated	n boom	
	idius (m) 4.5 ^{and} 5.0 6.0 7.0 8.0 9.0 10.0 10.58	
TM-ZE505GMH TM-	ng capacity (kg) 2,130 2,030 1,780 1,530 1,380 1,200 1,050 1,000	
	E505GMH	
	n/6.21-m boom	
Load radius (m) 2.8 and 3.6 3.9 4.5 5.0 5.5 5.99 Load	idius (m) 2.8 and 3.6 3.9 4.5 5.0 5.5 5.99	
	ng capacity (kg) 4,040 3,130 2,930 2,530 2,230 1,980 1,780	
	n boom	
	dius (m) 3.6 and 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.37	
	dius (m) 3.6 and being 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.3 ng capacity (kg) 3,130 2,930 2,530 2,230 1,980 1,780 1,630 1,480 1,380 1,18	
	dius (m) 3.6 and below 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.3 ng capacity (kg) 3,130 2,930 2,530 2,230 1,980 1,780 1,630 1,480 1,380 1,18 -m boom	
	dius (m) 3.6 and block 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.3 ng capacity (kg) 3,130 2,930 2,530 2,230 1,980 1,780 1,630 1,480 1,380 1,18 -m boom -dius (m) 4.0 gddw 4.5 5.0 6.0 7.0 8.0 9.0 10.0 10.75	
	dius (m) 3.6 and below 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.3' 8.3' ng capacity (kg) 3,130 2,930 2,530 2,230 1,980 1,780 1,630 1,480 1,380 1,18 -m boom -m boom	
	dius (m) 3.6 and below 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.3' 8.3' ng capacity (kg) 3,130 2,930 2,530 2,230 1,980 1,780 1,630 1,480 1,380 1,18 -m boom -dius (m) 4.0 and below 4.5 5.0 6.0 7.0 8.0 9.0 10.0 10.75 g capacity (kg) 2,230 2,180 2,030 1,730 1,430 1,230 1,080 980 900 -m boom	
Rated lifting capacity (kg) 1,430 1,330 1,130 880 730 650 550 430 Rated	dius (m) 3.6 and below 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.33 ng capacity (kg) 3.130 2.930 2.530 2.230 1,980 1,780 1.630 1,480 1,380 1,18 -m boom -disso 4.0 and below 4.5 5.0 6.0 7.0 8.0 9.0 10.0 10.75 ng capacity (kg) 2.230 2.180 2.030 1,730 1,430 1,280 1,080 1.00 10.75 ng capacity (kg) 2.230 2.180 2.030 1,730 1,430 1,280 10.0 10.75 mg capacity (kg) 2.230 2.180 2.030 1,730 1,430 1,230 10.00 10.0 10.75 mb boot dius (m) 5.0 and below 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.12	
NOTES FOR TECHNICAL SPECIFICATIONS:	dius (m) 3.6 and below 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.3 ng capacity (kg) 3,130 2,930 2,530 2,230 1,980 1,780 1,630 1,480 1,380 1,18 -m boom -dius (m) 4.0 and below 4.5 5.0 6.0 7.0 8.0 9.0 10.0 10.75 g capacity (kg) 2,230 2,180 2,030 1,730 1,430 1,230 1,080 980 900 -m boom	

NOTES FOR RATED LIFTING CAPACITIES: The mass of hook (30 kg), slings and all other lifting devices must be added to the mass of the

load.

TM-ZE500 series



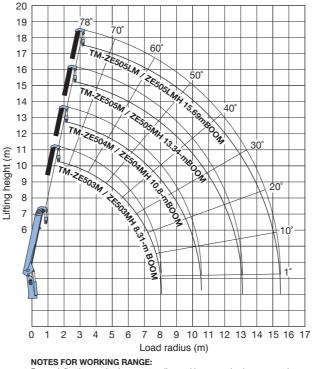
QUICKER WORK WITH ADVANCED OUTRIGGER MECHANISM

The outrigger beams can be easily operated, using a grip

to lock/release and extend/retract them. Further more safety, new lock system prevents the outrigger beams from extending during traveling. A level gauge is provided as standard equipment.







Boom deflection, and subsequent radius and boom angle change must be accounted for when applying load to hook.





TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICA		1		1								
MODEL	TM-ZE503M TM-ZE503MH*	TM-ZE504N		TM-ZE505M TM-ZE505MH								
CRANE CAPACITY	3,130 kg at 3.8 m		0 kg at 3.7 m	3,130 kg at 3.6 m	3,130 kg at 3.6 m							
BOOM	(4-parts of line) Fully		elescoping boom	(4-parts of line) of heptagonal box constru	(4-parts of line)							
Number of sections	3		4	5	5							
Length	3.47 m - 8.31 m		m - 10.8 m	3.77 m - 13.34 m	4.32 m - 15.69 m							
Extending speed	4.84 m / 18 s	7.25	<u>5 m / 21 s</u>	9.57 m / 25 s	11.37 m / 29.5 s							
Elevating range/speed	Approx 10.2 m**	A P P K	1° to 78°		Approx 17.5 m**							
Max. lifting height** Max. load radius**	Approx. 10.3 m** 8.09 m**		x. 12.7 m** .58 m**	Approx. 15.2 m** 13.12 m**	Approx. 17.5 m** 15.47 m**							
WINCH	0.03 11	10		notor driven.	13.47 11							
		Spur gear sp		provided with mechanical b	orake.							
Max. single line pull			7.70 kN {7	0,7								
Max. single line speed	0, mm v 56, m	0		'6 m/min. (at 4th layer)								
Wire rope (Diameter x length) SLEWING	8 mm x 56 m	1	m x 69 m notor driven. Wo	8 mm x 81 m rm gear speed reduction.	8 mm x 93 m							
SEEVING	Continuous 36			pearing slew ring. Automati	c slewing lock.							
Slewing speed			2.5 min ⁻	<u> </u>								
OUTRIGGERS	N	lanually exte		d hydraulically extended jac	cks							
			Integral with c									
Extension width HYDRAULIC SYSTEM		Max.	: 3.8 m, Mid. : 3	3.0 m, Min. : 2.2 m								
Control valves		Multiple	control valves w	ith integral safety valves								
STANDARD SAFETY DEVICES	•Load meter •Loa			alarm •Hoisting limiter •P.	Γ.Ο. indicator lamp							
				heck valves and holding va								
SUITABLE TRUCKS				12,000 to 25,000 kg								
		**Boom defle		chanically stows hook beneath boom he radius and boom angle change must b	ad. e accounted for when applying load to hoc							
RATED LIFTING CAPAC	ITIES (With empty chase	sis)	· · · · · · · · · · · · · · · · · · ·									
Table A			Table C									
TM-ZE503M / ZE503MH			TM-ZE503M / ZI	E503MH								
• 3.47-m/5.91-m/8.31-m boom			• 3.47-m/5.91-m/8									
Load radius (m) 3.4 and below 3.8 4.1 Rated lifting capacity (kg) 3,130 2,680 2,430 2		7.5 8.09 930 830	Load radius (m) Bated lifting capacity (kg	3.8 ^{and} below 4.1 4.5 5.0 5 a) 3,130 2,930 2,630 2,380 2,	6.5 6.0 6.5 7.0 7.5 8.09 130 1,880 1,730 1,530 1,380 1,23							
TM-ZE504M / ZE504MH		000 000	TM-ZE504M / ZI									
• 3.55-m/5.99-m/8.39-m boom		7.5 0.17	• 3.55-m/5.99-m/8 Load radius (m)		5.5 6.0 6.5 7.0 7.5 8.17							
	4.5 5.0 5.5 6.0 6.5 7.0 ,980 1,680 1,430 1,180 1,130 1,000	7.5 8.17 900 780	Rated lifting capacity (kg		030 1,830 1,650 1,480 1,350 1,18							
• 10.8-m boom			• 10.8-m boom									
Load radius (m) 4.0 and below 4.5 5.0 Rated lifting capacity (kg) 2,130 1,980 1,630		.0 10.58 80 550	Load radius (m) Rated lifting capacity (kg	4.5 ^{and} 5.0 6.0 7.1 g) 2,130 2,030 1,780 1,4								
TM-ZE505M / ZE505MH	1,160 1,000 800 660 56	80 330	TM-ZE505M / ZI		1,200 1,200 300 000							
• 3.77-m/6.21-m/8.59-m boom			• 3.77-m/6.21-m/8									
Load radius (m) 3.4 and below 3.6 3.9 Rated lifting capacity (kg) 3,130 2,930 2,530 1	4.5 5.0 5.5 6.0 6.5 7.0 .9301.6301.3801.1301.050 930	7.5 8.37 830 650	Load radius (m) Rated lifting capacity (kg		5.5 6.0 6.5 7.0 7.5 8.3 980 1,730 1,580 1,430 1,250 1,05							
• 10.97-m boom			• 10.97-m boom									
Load radius (m) 4.0 and add add add add add add add add add		0.0 10.75 00 450	Load radius (m) Rated lifting capacity (kg	4.0 and 4.5 5.0 6.0 a) 2,230 2,180 2,030 1,730	7.0 8.0 9.0 10.0 10.75 1,400 1,100 950 800 730							
• 13.34-m boom			• 13.34-m boom									
Load radius (m) 5.0 and below 6.0 7.0 Rated lifting capacity (kg) 1,430 1,130 900	8.0 9.0 10.0 11.0 12 700 550 500 430 40		Load radius (m) Rated lifting capacity (kg	5.0 and 6.0 7.0 8.0 a) 1,430 1,330 1,230 1,080	9.0 10.0 11.0 12.0 13.12 950 800 700 630 530							
	700 330 300 430 40	0 000	TM-ZE505LM / Z		000 000 700 000 000							
Table B			• 4.32-m/7.21-m/1									
TM-ZE503M / ZE503MH			Load radius (m) Rated lifting capacity (kg	3.6 below 3.9 4.5 5.0 5.5 3.130 2,930 2,480 2,180 1,93								
• 3.47-m/5.91-m/8.31-m boom Load radius (m) 3.8 ^{and} _{below} 4.1 4.5	5.0 5.5 6.0 6.5 7.0 7	7.5 8.09	• 12.87-m boom									
Rated lifting capacity (kg) 3,130 2,930 2,480		130 1,030	Load radius (m) Rated lifting capacity (kg	4.0 Book 4.5 5.0 6.0 7.0 a) 1,980 1,930 1,830 1,580 1,33								
TM-ZE504M / ZE504MH • 3.55-m/5.99-m/8.39-m boom			• 15.69-m boom	9 1,000 1,000 1,000 1,000 1,000								
Load radius (m) 3.7 ^{and} below 4.0 4.5		7.5 8.17	Load radius (m)	12.0 and 13.0 a) 530 500	<u> 14.0 15.47</u> <u> 450 380</u>							
Rated lifting capacity (kg) 3,130 2,930 2,430 • 10.8-m boom	2,030 1,730 1,480 1,380 1,230 1,0	080 980	Rated lifting capacity (kg	g) 530 500	450 380							
Load radius (m) 4.5 and 5.0 6.0	0 7.0 8.0 9.0 10.0	10.58	Table D									
Rated lifting capacity (kg) 2,130 1,980 1,44	80 1,180 950 880 730	680	TM-ZE503M / ZI									
TM-ZE505M / ZE505MH • 3.77-m/6.21-m/8.59-m boom			• 3.47-m/5.91-m/8 Load radius (m)		5.5 6.0 6.5 7.0 7.5 8.09							
Load radius (m) 3.6 ^{and} below 3.9 4.5		7.5 8.37	Rated lifting capacity (kg) 3,130 2,930 2,630 2,380 2,								
Rated lifting capacity (kg) 3,130 2,930 2,430 • 10.97-m boom	1,980 1,680 1,430 1,330 1,130 1,0	030 830	TM-ZE504M / ZI • 3.55-m/5.99-m/8									
Load radius (m) 4.0 ^{and} below 4.5 5.0	6.0 7.0 8.0 9.0 10.		• 3.55-m/5.99-m/8 Load radius (m)		5.5 6.0 6.5 7.0 7.5 8.17							
Rated lifting capacity (kg) 2,230 2,180 1,930	0 1,430 1,130 880 730 65	60 580	Rated lifting capacity (k									
• 13.34-m boom Load radius (m) 5.0 and 6.0 7.0	8.0 9.0 10.0 11.0 12.0	0 13.12	• 10.8-m boom Load radius (m)	4.5 ^{and} _{below} 5.0 6.0 7.0	0 8.0 9.0 10.0 10.58							
Rated lifting capacity (kg) 1,430 1,330 1,130			Rated lifting capacity (k	g) 2,130 2,030 1,780 1,53								
TM-ZE505LM / ZE505LMH • 4.32-m/7.21-m/10.04-m boom			TM-ZE505M / ZI • 3.77-m/6.21-m/8									
Load radius (m) 3.6 below 3.9 4.5		9.09.82680600	Load radius (m) Rated lifting capacity (k	3.6 and below 3.9 4.5 5.0 5	5.5 6.0 6.5 7.0 7.5 8.37 980 1,780 1,630 1,480 1,380 1,180							
Load radius (m) 4.0 ^{and} _{below} 4.5 5.0 Rated lifting capacity (kg) 1,980 1,930 1,830 1		12.0 12.65 430 400	• 10.97-m boom Load radius (m) Rated lifting capacity (k	4.0 and below 4.5 5.0 6.0 g) 2,230 2,180 2,030 1,730	7.08.09.010.010.751,4301,2301,080980900							
t15.69-m boom Load radius (m) 10.0 Below 11.0 Rated lifting capacity (kg) 530 500	12.0 13.0 14.0 430 380 350	15.47 280	• 13.34-m boom Load radius (m) Rated lifting capacity (k		9.010.011.012.013.12980880800730650							
			TM-ZE505LM / 2 • 4.32-m/7.21-m/1									
			Load radius (m) Rated lifting capacity (k	3.6 ^{and} _{below} 3.9 4.5 5.0 5.5								
NOTES FOR TECHNICAL SPECIFICATIONS: Operating speeds of the crane are guaranteed und	der the conditions that the pump deliverv is	s 60 L/min.	• 12.87-m boom Load radius (m) Rated lifting capacity (k	4.0 and below 4.5 5.0 6.0 7.0 g) 1,980 1,930 1,830 1,580 1,333								
NOTES FOR RATED LIFTING CAPACITIES:			• 15.69-m boom	1.5 47 and								
The mass of hook (30 kg), slings and all other li load.	fting devices must be added to the mas	ss of the	Load radius (m) Rated lifting capacity (k	g) 530								

u raulus (III)	below	4.0	1 4.5		.0	J.	5	ι υ.	0	0.0	· .	1.0		1.0	0.17
d lifting capacity (kg)	3,130	2,930	2,430) 2,0	030	30 1,730		1,4	80	1,38	0 1,230		30 1,080		980
0.8-m boom															
d radius (m)	4.5 and below	5.0	6	.0		7.0		8.0		9.0		1	10.0		0.58
d lifting capacity (kg)	2,130	1,980) 1,4	480	1	1,180		95	950		880		730		680
-ZE505M / ZE505MH															
77-m/6.21-m/8.59-m boom															
d radius (m) 3.6 ^{and} 3.9 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.37															
d lifting capacity (kg)	3,130	2,930	2,430) 1,9	980	1,6	80	1,4	30	1,33	0 1	,130	1	,030	830
0.97-m boom															
d radius (m)	4.0 and below	4.5	5.0		6.0)	7.	0	8.	0	9.	0	10).0 [·]	10.75
d lifting capacity (kg)	2,230	2,180	1,93	0	1,43	0 1,13		30	880		730 (6	50	580
3.34-m boom															
d radius (m)	5.0 and below	6.0	7.0	7.0		8.0		.0 10.		0 11.0		0) 12.0		13.12
d lifting capacity (kg)	1,430	1,330	1,13	1,130		730		0	650		550		500		430
-ZE505LM / ZE505LMH															
32-m/7.21-m/10.04-m boom															
d radius (m)	3.6 and below	3.9	4.5	5.0) 5	5.5	6	.0	6.5	5 1	7.0	8.0)	9.0	9.82
d lifting capacity (kg)	3,130	2,930	2,380	1,98	0 1,	680	1,4	430 1,2		301,	030	88	D	680	600
2.87-m boom															
d radius (m)	4.0 and below	4.5	5.0	6.0) 7	7.0	8	.0	9.0) 1	0.0	11.0	ъŢ	12.0	12.65
d lifting capacity (kg)	1,980	1,930	1,830	1,38	01,	030	88	80	650) 5	80	500	ъŢ	430	400
5.69-m boom															

NOTES FOR RATED LIFTING CAPACITIES: The mass of hook (30 kg), slings and all other lifting devices must be added to the mass of the load.

The cables and sheaves are all internal - for a clean, clutter - free appearance.