

TM-ZT1000H Series

TM-ZT1004H

TM-ZT1005H

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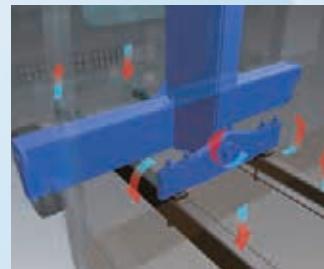
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Reaching new  heights

TM-ZT1000H Series

Three-point Support System (Equalizer Crane Support)

The equalizer crane support system protects the chassis frame by evenly distributing the load applied to the frame during vehicle traveling to prevent excessive stress from concentrating at any one point.



Full Circle, Continuous Slewing

360-degree FULL CIRCLE, continuous rotation for more efficient operations.



Bigger Hydraulic Tank

A bigger size 90 L hydraulic tank is integrated with a crane frame for minimizing chassis modification.



Strong and Wider Outrigger & Safety Lock

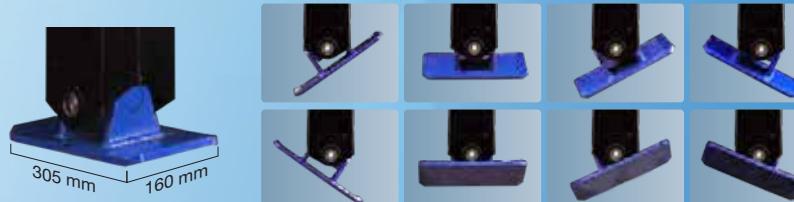
Strong, 5.2 m width and powerful outriggers with box structure jacks, an easy and safe lock system together with new universal float. The lock system is one of the advanced reliable Tadano standard safety systems.



Outrigger Lock Pin
(Both Sides)

Bigger Universal Outrigger Float

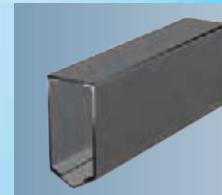
The universal float moves 360 degrees to fit to any ground for better stability with less ground pressure due to larger sized floats.



*Actual specifications may differ.

Strong Pentagonal Boom

Tadano's traditional strong pentagonal boom is thoroughly designed and well proven for its quality, strength and smoothness, with a rigid and fine-tuned telescoping boom providing comfortable crane operation.



Cable Follower

The cable follower prevents disorderly cable (wire rope) winding by always pressing the cable onto the winch drum and puts the wire rope at a right position.



Automatic Slewing Lock System

The boom is locked securely to prevent accidental boom slewing out during driving.



Hook-in

Tadano original hook-in system is equipped as standard and enhances work efficiency. First 10 t class with the hook-in system in the crane world.



Anti-two-block Function

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

Winch



An upgraded stronger winch motor provides a stable lifting operation.



Note: The picture shows 8 part lines for 10 ton lifting condition. 8 part line is necessary for 10 ton load lifting only. Normally use 4 part lines for Maximum 5 ton lifting. *Actual specifications may differ.

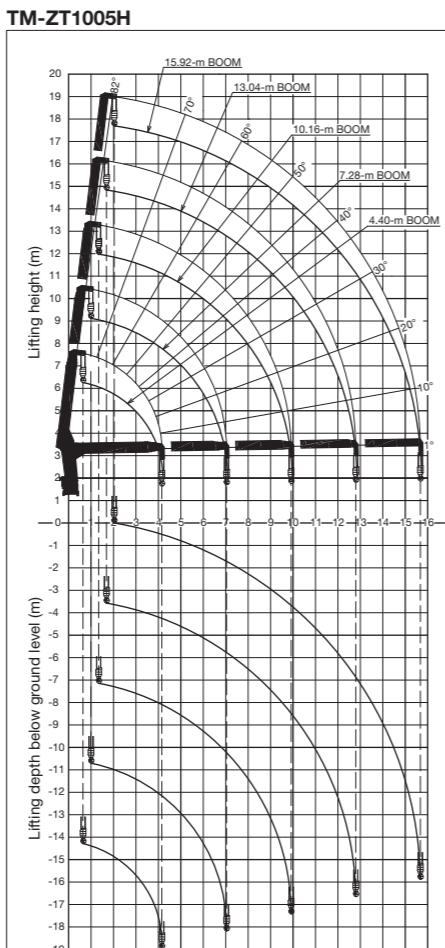
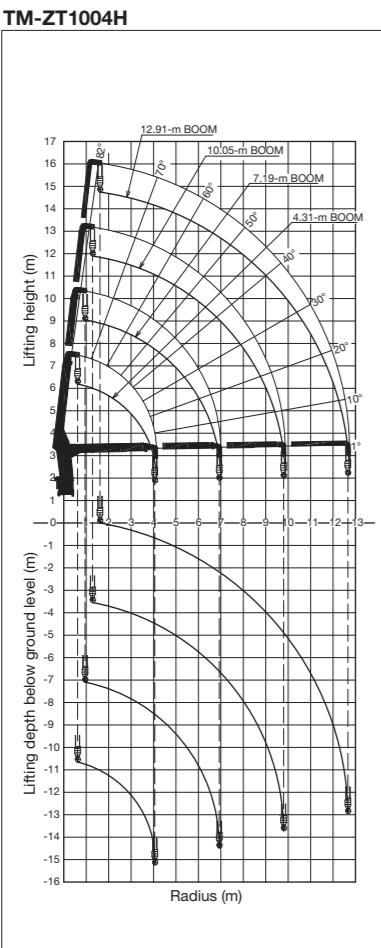
TM-ZT1000H Series

Technical Specifications

MODEL	TM-ZT1004H	TM-ZT1005H
CRANE CAPACITY	10,000 kg at 1.4 m (8-parts of line)	
BOOM	Fully powered partly synchronized telescoping boom of pentagonal box construction.	
Number of sections	4	5
Length	4.31 m-12.91 m	4.40 m-15.92 m
Extending speed	8.6 m / 34 s	11.5 m / 38 s
Elevating range/speed	1° to 82° / 17 s	
Max. lifting height**	Approx. 14.7 m*	Approx. 17.7 m*
Max. load radius**	12.66 m*	15.67 m*
WINCH	Hydraulic motor driven spur gear speed reduction, provided with mechanical brake and cable follower	
Max. Single line pull	14.72 kN (1,500 kgf)	
Max. Single line speed	44 m/min. (at 4th layer)	
Wire rope (Diameter x length)	10 mm x 80 m	10 mm x 95 m
SLEWING	•Hydraulic motor driven worm gear speed reduction •Continuous 360° full circle slewing on ball bearing slew ring •Automatic slewing lock 2.2 min⁻¹ (rpm)	
Slewing speed		
OUTRIGGERS	Hydraulically extended sliders and hydraulically extended jacks integral with crane frame. Power up and down.	
Extension width	Max. : 5.2 m Mid. : 3.9 m Min. : 2.3 m	
HYDRAULICS		
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. 90 L	
STANDARD SAFETY DEVICES	•Load meter •Load indicator •Anti-two-block alarm •Hook safety latch •Hydraulic safety valves, check valves and holding valves •Level gauge •Anti-two-block device	
OPTIONAL EQUIPMENT	•Rear outriggers (outrigger beam extension type) •Rear outriggers (outrigger beam non- extension type) •Oil cooler	
SUITABLE TRUCKS	Gross vehicle mass 25,000 kg or more	

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

Working Range



Notes for Technical Specifications:

Operating speeds of the crane are guaranteed under the condition that the pump delivery is 60 L/min.

Notes for Working Range:

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

The underground working range is based on the 4-parts of line setting.

TM-ZT1000H Series

Rated lifting capacities Crane strength rated capacities

Table A

TM-ZT1004H

• 4.31 m Boom

LOAD RADIUS (m)	1.4 and below	1.85	2.25	3.1	3.5	4.06	CRANE STRENGTH	10.00	8.00	6.00	4.90	4.20	3.65
EMPTY CHASSIS width of outriggers MAX.	10.00	8.00	6.00	4.90	4.20	3.65	EMPTY CHASSIS width of outriggers MIN.	10.00	6.75	4.30	2.25	1.75	1.25
CRANE STRENGTH	10.00	8.00	6.00	4.90	4.20	3.65	CRANE STRENGTH	10.00	8.00	6.00	4.90	4.20	3.65
EMPTY CHASSIS width of outriggers MAX.	10.00	8.00	6.00	4.90	4.20	3.65	EMPTY CHASSIS width of outriggers MIN.	10.00	8.00	6.00	4.90	4.20	3.65

• 7.19 m Boom

LOAD RADIUS (m)	2.25 and below	3.1	3.5	4.0	4.5	5.0	6.0	6.94	CRANE STRENGTH	6.00	4.90	4.20	3.70	3.30	2.90	2.20	1.80
EMPTY CHASSIS width of outriggers MAX.	6.00	4.90	4.20	3.70	3.30	2.90	2.20	1.80	EMPTY CHASSIS width of outriggers MIN.	6.00	4.90	4.20	3.70	3.30	2.90	2.20	1.80
CRANE STRENGTH	6.00	4.90	4.20	3.70	3.30	2.90	2.20	1.80	CRANE STRENGTH	6.00	4.90	4.20	3.70	3.30	2.90	2.20	1.80
EMPTY CHASSIS width of outriggers MAX.	6.00	4.90	4.20	3.70	3.30	2.90	2.20	1.80	EMPTY CHASSIS width of outriggers MIN.	6.00	4.90	4.20	3.70	3.30	2.90	2.20	1.80

• 10.05 m Boom

LOAD RADIUS (m)	4.5 and below	5.0	6.0	7.0	8.0	9.0	9.8	CRANE STRENGTH	3.00	2.90	2.20	1.80	1.55	1.35	1.20
EMPTY CHASSIS width of outriggers MAX.	3.00	2.90	2.20	1.80	1.55	1.35	1.20	EMPTY CHASSIS width of outriggers MIN.	3.00	2.90	2.20	1.80	1.55	1.35	1.20
CRANE STRENGTH	3.00	2.90	2.20	1.80	1.55	1.35	1.20	CRANE STRENGTH	3.00	2.90	2.20	1.80	1.55	1.35	1.20
EMPTY CHASSIS width of outriggers MAX.	3.00	2.90	2.20	1.80	1.55	1.35	1.20	EMPTY CHASSIS width of outriggers MIN.	3.00	2.90	2.20	1.80	1.55	1.35	1.20

• 12.91 m Boom

LOAD RADIUS (m)	4.5 and below	5.0	6.0	7.0	8.0	9.0	9.8	CRANE STRENGTH	3.00	2.90	2.20	1.80	1.55	1.35	1.20				
EMPTY CHASSIS width of outriggers MAX.	3.00	2.65	2.20	1.80	1.50	1.30	1.10	0.95	0.70	EMPTY CHASSIS width of outriggers MIN.	3.00	2.65	2.20	1.80	1.50	1.30	1.10	0.95	0.70
CRANE STRENGTH	3.00	2.65	2.20	1.80	1.50	1.30	1.10	0.95	0.70	CRANE STRENGTH	3.00	2.65	2.20	1.80	1.50	1.30	1.10	0.95	0.70
EMPTY CHASSIS width of outriggers MAX.	3.00	2.65	2.20	1.80	1.50	1.30	1.10	0.95	0.70	EMPTY CHASSIS width of outriggers MIN.	3.00	2.65	2.20	1.80	1.50	1.30	1.10	0.95	0.70

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• 4.40 m Boom

LOAD RADIUS (m)	1.4 and below	1.85	2.25	3.1	3.5	4.15	CRANE STRENGTH	10.00	8.00	6.00	4.90	4.20	3.55
EMPTY CHASSIS width of outriggers MAX.	10.00	8.00	6.00	4.90	4.20	3.55	EMPTY CHASSIS width of outriggers MIN.	10.00	7.15	4.55	2.40	1.90	1.30
CRANE STRENGTH	10.00	8.00	6.00	4.90	4.20	3.55	CRANE STRENGTH	10.00	8.00	6.00	4.90	4.20	3.55
EMPTY CHASSIS width of outriggers MAX.	10.00	8.00	6.00	4.90	4.20	3.55	EMPTY CHASSIS width of outriggers MIN.	10.00	8.00	6.00	4.90	4.20	3.55

• 7.28 m Boom

LOAD RADIUS (m)	2.25 and below	3.1	3.5	4.0	4.5	5.0	6.0	7.03	CRANE STRENGTH	6.00	4.90	4.20	3.70	3.30	2.90	2.20	1.75
EMPTY CHASSIS width of outriggers MAX.	6.00	4.90	4.20	3.70	3.30	2.90	2.20	1.75	EMPTY CHASSIS width of outriggers MIN.	6.00							