

TECHNICAL SPECIFICATIONS

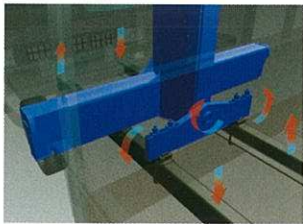
MODEL	TM-ZT823	TM-ZT824	TM-ZT825
MAXIMUM LIFTING CAPACITY	8,200kg at 1.8m (6-part lines)		
CRANE CAPACITY	4,900kg at 3.1m (4-part lines)		
BOOM	Fully hydraulic telescoping boom	Fully powered partly synchronized telescoping boom	
Sections	3	4	5
Length	4.20m-9.50m	4.31m-12.91m	4.40m-15.90m
Extending Speed	5.3m / 17s	8.6m / 23s	11.5m / 30s
Elevation Range/Speed	1° to 82° / 13s		
Max. Hook Height*	Approx. 11.5m*	Approx. 15m*	Approx. 18m*
Max. Load Radius*	9.25m*	12.66m*	15.67m*
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.
Max. Single Line Pull	14.72kN {1,500kgf}		
Max. Single Line Speed	64m/min. (at 4th layer)		
Wire rope (Diameter x length)	10mm x 63m	10mm x 80m	10mm x 95m
SWING	Hydraulic motor driven. Worm gear speed reduction. Continuous 360° full circle swing on ball bearing slew ring. Automatic swing lock.		
Speed	2.5 min <sup>-1</sup> {rpm}		
OUTRIGGERS	Manually extended sliders and hydraulically extended jacks. Integral with crane frame. Power up and down. Max. : 3.9m Mid. : 3.1m Min. : 2.25m		
Extended Width			
HYDRAULIC SYSTEM	Single gear pump		
Pump	Multiple control valves with integral safety valve		
Control Valves			
STANDARD SAFETY EQUIPMENT	•Load meter •Load indicator •Over-winding alarm •Hook safety latch •Level gauge •Hydraulic safety valves, check valves and holding valves		
SUITABLE TRUCKS	Gross vehicle mass 20,000 or more		

TECHNICAL SPECIFICATION NOTE:

1. Operating speeds of the crane are guaranteed under the conditions that the pump delivery is 85L/min.  
2. \*No allowance included for boom deflection under loaded conditions.

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 travel to prevent excessive stress concentration at any one point.



Quicker Work With Outrigger Mechanism

The outrigger beams can be easily operated, by a finger to lock or release and extend or retract. Further more safety, new lock system prevents the outrigger from extending during vehicle travel. A level gauge is provided as standard equipment.



NEW LOCK SYSTEM



Full Circle, Continuous Swing

The newly designed compact swing post improves performance providing FULL CIRCLE, continuous rotation for more efficient operations.

AUTOMATIC SWING LOCK:

The boom is mechanically locked at the swing post base which prevents boom rotation during vehicle travel.



Automatic Swing Lock System

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



TRUCK LOADER CRANE

TM-ZT820



Lifting your dreams

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TM-ZT823

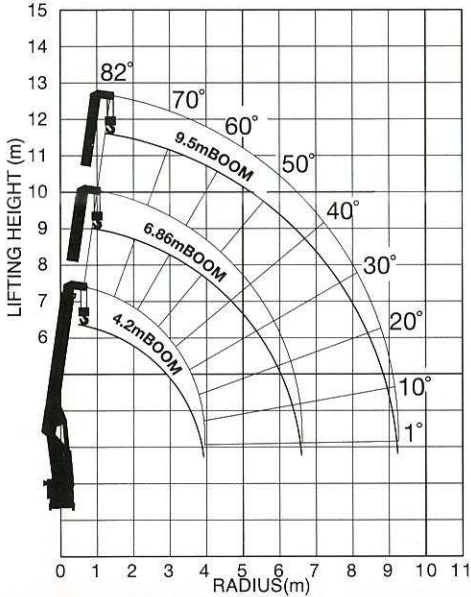
RATED LIFTING CAPACITIES - Empty Chassis

4.2m boom						
Load Radius (m)	1.8 and below	2.25	3.1	3.5	3.95	
Rated Lifting Capacity (kg)	8,200	6,000	4,900	4,200	3,750	
6.86m boom						
Load Radius (m)	2.25 and below	3.1	3.5	4.0	4.5	5.0
Rated Lifting Capacity (kg)	6,000	4,900	4,200	3,700	3,300	2,900
9.5m boom						
Load Radius (m)	4.5 and below	5.0	6.0	7.0	8.0	9.25
Rated Lifting Capacity (kg)	3,000	2,900	2,250	1,850	1,550	1,300

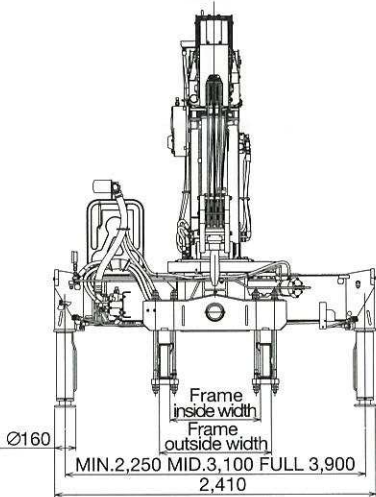
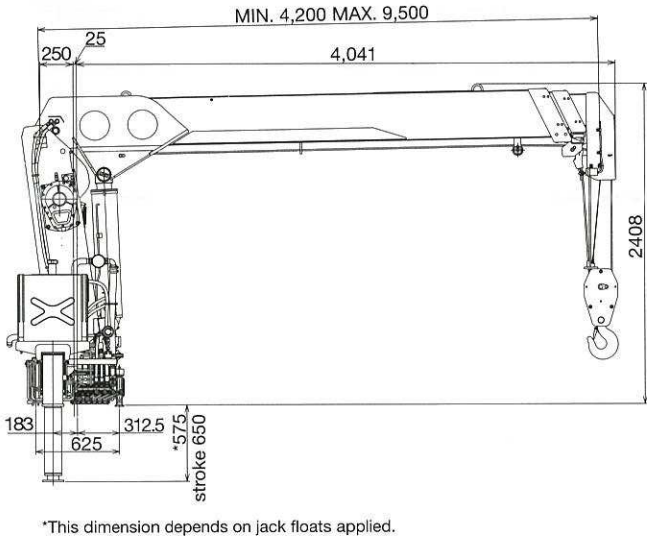
**RATED LIFTING CAPACITIES NOTE:**  
The mass of hook (90kg), slings and all similarly used load handling devices must be added to the mass of the load.

**WORKING RANGE NOTE:**  
Lifting heights and boom angles are based on a straight (unloaded) boom, and allowance should be made for boom deflection under loaded conditions.

WORKING RANGE



DIMENSION



TM-ZT824

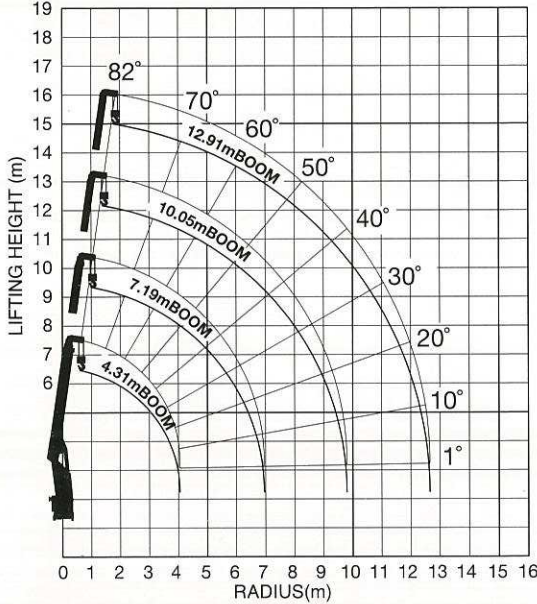
RATED LIFTING CAPACITIES - Empty Chassis

4.31m boom						
Load Radius (m)	1.8 and below	2.25	3.1	3.5	4.06	
Rated Lifting Capacity (kg)	8,200	6,000	4,900	4,200	3,650	
7.19m boom						
Load Radius (m)	2.25 and below	3.1	3.5	4.0	4.5	5.0
Rated Lifting Capacity (kg)	6,000	4,900	4,200	3,700	3,300	2,900
10.05m boom						
Load Radius (m)	4.5 and below	5.0	6.0	7.0	8.0	9.0
Rated Lifting Capacity (kg)	3,000	2,900	2,200	1,800	1,550	1,350
12.91m boom						
Load Radius (m)	4.5 and below	5.0	6.0	7.0	8.0	9.0
Rated Lifting Capacity (kg)	3,000	2,650	2,200	1,800	1,500	1,300

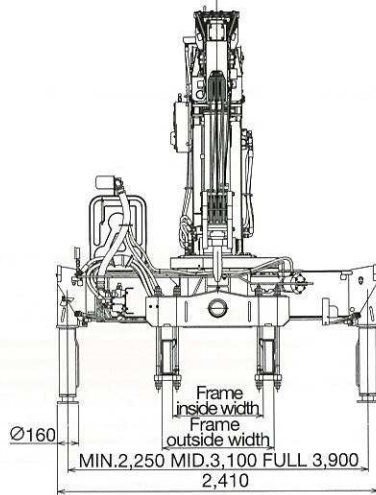
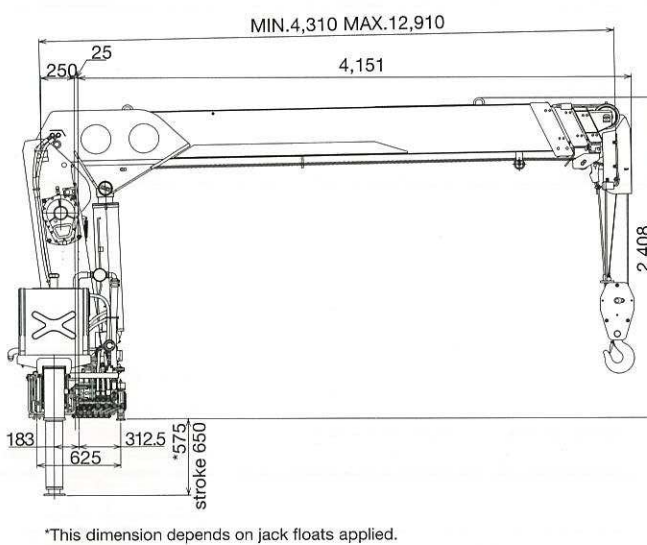
**RATED LIFTING CAPACITIES NOTE:**  
The mass of hook (90kg), slings and all similarly used load handling devices must be added to the mass of the load.

**WORKING RANGE NOTE:**  
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WORKING RANGE



DIMENSION



TM-ZT825

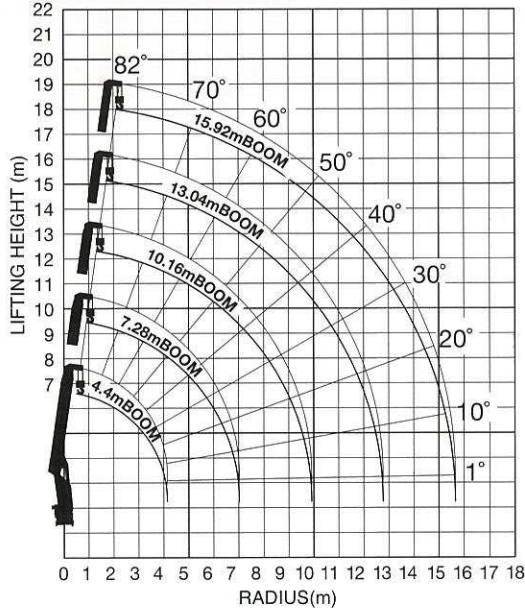
RATED LIFTING CAPACITIES - Empty Chassis

4.4m boom						
Load Radius (m)	1.8 and below	2.25	3.1	3.5	4.15	
Rated Lifting Capacity (kg)	8,200	6,000	4,900	4,200	3,550	
7.28m boom						
Load Radius (m)	2.25 and below	3.1	3.5	4.0	4.5	5.0
Rated Lifting Capacity (kg)	6,000	4,900	4,200	3,700	3,300	2,900
10.16m boom						
Load Radius (m)	4.5 and below	5.0	6.0	7.0	8.0	9.0
Rated Lifting Capacity (kg)	3,000	2,700	2,200	1,750	1,350	1,100
13.04m boom						
Load Radius (m)	4.5 and below	5.0	6.0	7.0	8.0	9.0
Rated Lifting Capacity (kg)	3,000	2,600	2,000	1,700	1,350	950
15.92m boom						
Load Radius (m)	5.0 and below	6.0	7.0	8.0	9.0	10.0
Rated Lifting Capacity (kg)	2,600	2,000	1,650	1,350	1,100	850

**RATED LIFTING CAPACITIES NOTE:**  
The mass of hook (90kg), slings and all similarly used load handling devices must be added to the mass of the load.

**WORKING RANGE NOTE:**  
Lifting heights and boom angles are based on a straight (unloaded) boom, and allowance should be made for boom deflection under loaded conditions.

WORKING RANGE



DIMENSION

