



# TADANO

**TW-ZR500XL  
SERIES**



MAXIMUM LIFTING CAPACITY: 10,000 lbs  
EXTENDED LENGTH: 51.4' (TM-ZR506XL)

## **Telescoping boom truck mounted crane**

*Known World Wide, TADANO Quality in North America*



**TM-ZR500XL SERIES CRANE SPECIFICATION**

|                                                                                                                                             | <b>MODEL : TM-ZR503XL</b>                                                                                                                                                                                                                          | <b>MODEL : TM-ZR504XL</b>                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MAXIMUM LIFTING CAPACITY</b>                                                                                                             | 10,000 lbs. @ 5' (5-part lines)                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                    |
| <b>CRANE CAPACITY</b>                                                                                                                       | 7,100 lbs. @ 12' (5-part lines)                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                    |
| <b>BOOM</b><br><i>Fully powered<br/>synchronized telescoping<br/>boom of pentagonal<br/>box construction</i>                                | 3-sectioned<br><i>Retracted length: 11.40'<br/>Extended length: 27.28'<br/>Extended speed: 15.88' / 18 s<br/>Elevation: Elevated by a<br/>double-acting<br/>hydraulic cylinder<br/>Elevation speed: 1° to 78° / 12 s<br/>Boom point: 3 sheaves</i> | 4-sectioned<br><i>Retracted length: 11.66'<br/>Extended length: 35.43'<br/>Extended speed: 23.77' / 21 s<br/>Elevation: Elevated by a<br/>double-acting<br/>hydraulic cylinder<br/>Elevation speed: 1° to 78° / 12 s<br/>Boom point: 3 sheaves</i> |
| <b>WINCH</b><br><i>Hydraulic motor<br/>driven Spur gear speed<br/>reduction, provided<br/>with mechanical brake<br/>and cable follower.</i> | Single line pull: 2,000 lbs.<br>Single line speed: 249 FPM (@ 4th layer)<br>Wire rope.<br><i>Diameter x length: 5/16" (8mm) x 217'<br/>Breaking strength: 9,680 lbs.<br/>Construction: 7 X 7 + 6 X WS(26).<br/>Hook block: 2 sheaves</i>           | Single line pull: 2,000 lbs.<br>Single line speed: 249 FPM (@ 4th layer)<br>Wire rope.<br><i>Diameter x length: 5/16" (8mm) x 262'<br/>Breaking strength: 9,680 lbs.<br/>Construction: 7 X 7 + 6 X WS(26).<br/>Hook block: 2 sheaves</i>           |
| <b>SWING</b>                                                                                                                                | Hydraulic motor driven, Worm gear speed reduction, Continuous<br>Swing speed:                                                                                                                                                                      |                                                                                                                                                                                                                                                    |
| <b>HOOK STOWING DEVICE</b>                                                                                                                  | Mechanically stowed<br>See pictue                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                    |
| <b>OUTRIGGERS</b>                                                                                                                           | Manually extended sliders and hydraulically<br>up and down. Easy grab type grips lock and unlock<br>Extended width<br>Min.<br>Mid.<br>Max.                                                                                                         |                                                                                                                                                                                                                                                    |
| <b>HYDRAULICS</b>                                                                                                                           | Hydraulic motor<br>Axial piston type for<br>Control valves<br>Multiple control valves<br>Recommended hydraulic<br>Pressure:<br>Delivery:                                                                                                           |                                                                                                                                                                                                                                                    |
| <b>ELECTRICAL SYSTEM</b>                                                                                                                    | Power supply:                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                    |
| <b>SAFETY DEVICES</b>                                                                                                                       | Anti-two-block with alarm<br>Hook safety latch<br>Level gauge<br>Hydraulic safety valves,<br>Over load alert with load<br>Load indication<br>Load moment ratio to<br>Audible warning<br>External warning lamps                                     |                                                                                                                                                                                                                                                    |
| <b>CRANE WEIGHT</b>                                                                                                                         | Approx. 3,330 lbs. (crane bare)                                                                                                                                                                                                                    | Approx. 3,590 lbs. (crane bare)                                                                                                                                                                                                                    |

NOTE: Max. operating speeds of the crane are performed under the condition that the pump delivery is 15.8 GPM.



**MODEL : TM-ZR505XL****MODEL : TM-ZR506XL**

10,000 lbs. @ 5' (5-part lines)  
7,000 lbs. @ 5' (4-part lines)

7,000 lbs. @ 10' (4-part lines)

6,800 lbs. @ 12' (4-part lines)

6,800 lbs. @ 12' (4-part lines)

**5-sectioned**

Retracted length: 12.38'  
Extended length: 43.78'  
Extended speed: 31.4' / 25 s  
Elevation: Elevated by a double-acting hydraulic cylinder  
Elevation speed: 1° to 78° / 12 s  
Boom point: 2 sheaves (7,000lbs.)  
3 sheaves (10,000lbs.)

**6-sectioned**

Retracted length: 12.64'  
Extended length: 51.49'  
Extended speed: 38.85' / 21 s  
Elevation: Elevated by a double-acting hydraulic cylinder  
Elevation speed: 1° to 78° / 12 s  
Boom point: 2 sheaves

Single line pull: 1,750 lbs.  
Single line speed: 249 FPM (@ 4th layer)  
Wire rope.  
Diameter x length: 5/16" (8mm) x 262'  
Breaking strength: 9,680 lbs.  
Construction: 7 X 7 + 6 X WS(26).  
Hook block: 2 sheaves

Single line pull: 1,750 lbs.  
Single line speed: 249 FPM (@ 4th layer)  
Wire rope.  
Diameter x length: 5/16" (8mm) x 302'  
Breaking strength: 9,680 lbs.  
Construction: 7 X 7 + 6 X WS(26).  
Hook block: 2 sheaves

360° full circle swing on ball bearing slew ring, Automatic swing lock  
2.5 rpm.

**Hook Stowing Device**

beneath boom top portion  
to the right

extended jacks, Integral with crane frame, Power  
sliders position and double lock pins for storage position.

7' 2 5/8"  
9' 10 1/8"  
12' 5 19/32"

winch and swing

with integral safety valve  
pump  
Max. 2,915 PSI capacity  
Max. 15.8 GPM capacity

DC12V

check valves and holding valves  
indicator

rated load indication

Approx. 3,950 lbs. (crane bare)

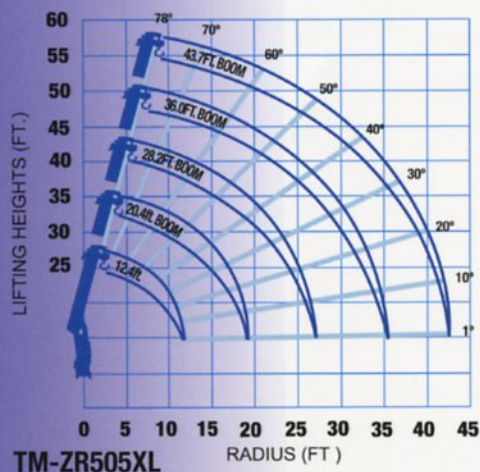
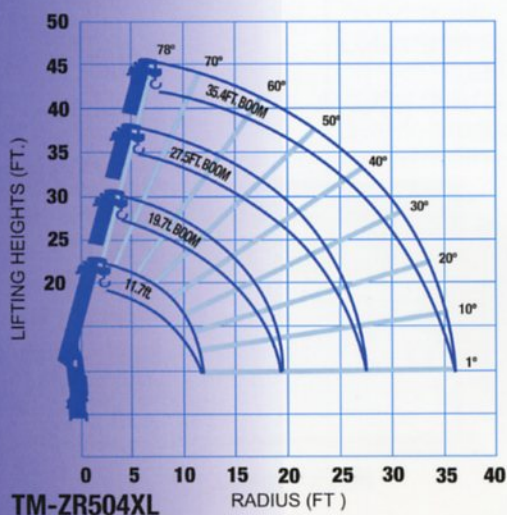
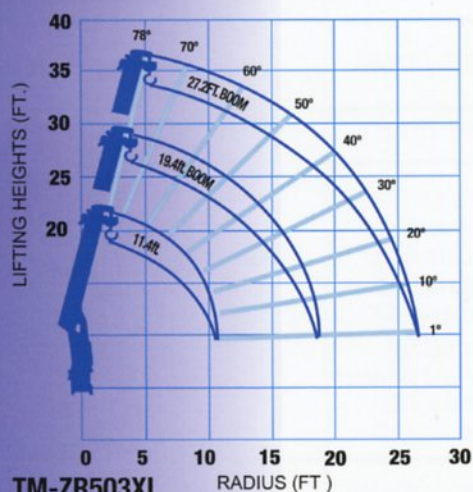
Approx. 4,150 lbs. (crane bare)



**Radio Remote Control**  
(Full proportional handheld type)





**WORKING RANGE CHART**

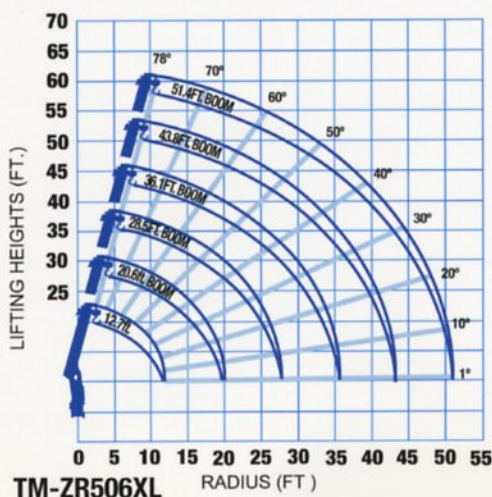
**NOTE:** The above lifting heights and boom angles are based on a straight (unladen) boom, and allowance should be made for boom deflection obtained under laden condition.

**RATED LIFTING CAPACITIES (IN POUNDS)****MODEL : TM-ZR503XL CAPACITY CHART ; D**

| Load Radius (ft) | 11.4 ft Boom |                          |                          | 19.4 ft Boom |                          |                          | 27.2 ft Boom |                          |                          |
|------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|
|                  | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. |
| 5                | 63°          | 10000                    | 7000                     | 76°          | 10000                    | 7000                     |              |                          |                          |
| 6                | 57°          | 9700                     | 7000                     | 73°          | 9700                     | 7000                     |              |                          |                          |
| 8                | 44°          | 9100                     | 6800                     | 67°          | 9100                     | 6800                     | 75°          | 7000                     | 6800                     |
| 10               | 24°          | 8500                     | 5400                     | 60°          | 8500                     | 5400                     | 70°          | 7000                     | 5400                     |
| 12               |              |                          |                          | 52°          | 7100                     | 4100                     | 66°          | 6500                     | 4100                     |
| 14               |              |                          |                          | 44°          | 6000                     | 3300                     | 61°          | 5700                     | 3300                     |
| 16               |              |                          |                          | 34°          | 5100                     | 2800                     | 56°          | 5000                     | 2800                     |
| 20               |              |                          |                          |              |                          |                          | 44°          | 3900                     | 2000                     |
| 25               |              |                          |                          |              |                          |                          | 23°          | 3000                     | 1550                     |
|                  | 1°           | 8100                     | 5000                     | 1°           | 4300                     | 2300                     | 1°           | 2700                     | 1450                     |
|                  |              | (10.7ft.)                |                          |              | (18.7ft.)                |                          |              | (26.6ft.)                |                          |

**MODEL : TM-ZR503XL CAPACITY CHART ; A**

| Load Radius (ft) | 11.4 ft Boom |                          |                          | 19.4 ft Boom |                          |                          | 27.2 ft Boom |                          |                          |
|------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|
|                  | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. |
| 5                | 63°          | 10000                    | 7000                     | 76°          | 10000                    | 7000                     |              |                          |                          |
| 6                | 57°          | 9700                     | 6000                     | 73°          | 9700                     | 6000                     |              |                          |                          |
| 8                | 44°          | 8800                     | 4500                     | 67°          | 8800                     | 4500                     | 75°          | 7000                     | 4500                     |
| 10               | 24°          | 6800                     | 3400                     | 60°          | 6800                     | 3400                     | 70°          | 6800                     | 3400                     |
| 12               |              |                          |                          | 52°          | 5200                     | 2600                     | 66°          | 5200                     | 2600                     |
| 14               |              |                          |                          | 44°          | 4000                     | 2000                     | 61°          | 4000                     | 2000                     |
| 16               |              |                          |                          | 34°          | 3100                     | 1550                     | 56°          | 3100                     | 1550                     |
| 20               |              |                          |                          |              |                          |                          | 44°          | 2200                     | 1100                     |
| 25               |              |                          |                          |              |                          |                          | 23°          | 1600                     | 800                      |
|                  | 1°           | 6200                     | 3100                     | 1°           | 2500                     | 1250                     | 1°           | 1500                     | 750                      |
|                  |              | (10.7ft.)                |                          |              | (18.7ft.)                |                          |              | (26.6ft.)                |                          |

**NOTE:**

- Rated lifting capacities on this chart show maximum allowable loads with the outriggers properly extended on a firm surface and the crane leveled and mounted on a factory recommended truck. The rated lifting capacities in shade area are based on crane strength and others, on its stability (not to exceed 85% of tipping).
- The weight of handling devices such as hook block (65lbs.), slings, etc., must be considered part of the load and must be deducted from the rated lifting capacities.



**MODEL : TM-ZR504XL CAPACITY CHART ; D**

| Load Radius (ft) | 11.7 ft Boom |                          |                          | 19.7 ft Boom |                          |                          | 27.5 ft Boom |                          |                          | 35.4 ft Boom |                          |                          |
|------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|
|                  | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. |
| 5                | 64°          | 10000                    | 7000                     | 76°          | 10000                    | 7000                     |              |                          |                          |              |                          |                          |
| 6                | 58°          | 9700                     | 7000                     | 73°          | 9700                     | 7000                     | 78°          | 7000                     | 7000                     |              |                          |                          |
| 8                | 45°          | 9100                     | 6800                     | 67°          | 9100                     | 6800                     | 75°          | 7000                     | 6800                     | 78°          | 4400                     | 4400                     |
| 10               | 27°          | 8500                     | 5400                     | 60°          | 8500                     | 5400                     | 71°          | 7000                     | 5400                     | 76°          | 4400                     | 4400                     |
| 12               |              |                          |                          | 53°          | 7100                     | 4100                     | 66°          | 6500                     | 4100                     | 73°          | 4400                     | 4100                     |
| 14               |              |                          |                          | 45°          | 6000                     | 3300                     | 61°          | 5700                     | 3300                     | 69°          | 4400                     | 3300                     |
| 16               |              |                          |                          | 35°          | 5100                     | 2800                     | 56°          | 5000                     | 2800                     | 66°          | 4100                     | 2800                     |
| 20               |              |                          |                          |              |                          |                          | 45°          | 3900                     | 1950                     | 58°          | 3200                     | 1950                     |
| 25               |              |                          |                          |              |                          |                          | 25°          | 3000                     | 1500                     | 47°          | 2400                     | 1500                     |
| 30               |              |                          |                          |              |                          |                          |              |                          |                          | 34°          | 2000                     | 1150                     |
|                  | 1°           | 7900                     | 4800                     | 1°           | 4200                     | 2200                     | 1°           | 2700                     | 1350                     | 1°           | 1750                     | 900                      |
|                  |              | (10.9ft.)                |                          |              | (18.9ft.)                |                          |              | (26.8ft.)                |                          |              | (34.7ft.)                |                          |

**MODEL : TM-ZR504XL CAPACITY CHART ; A**

| Load Radius (ft) | 11.7 ft Boom |                          |                          | 19.7 ft Boom |                          |                          | 27.5 ft Boom |                          |                          | 35.4 ft Boom |                          |                          |
|------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|
|                  | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. | Boom ∠       | Outriggers Extended Max. | Outriggers Extended Min. |
| 5                | 64°          | 10000                    | 7000                     | 76°          | 10000                    | 7000                     |              |                          |                          |              |                          |                          |
| 6                | 58°          | 9700                     | 6000                     | 73°          | 9700                     | 6000                     | 78°          | 7000                     | 6000                     |              |                          |                          |
| 8                | 45°          | 8800                     | 4500                     | 67°          | 8800                     | 4500                     | 75°          | 7000                     | 4500                     | 78°          | 4400                     | 4400                     |
| 10               | 27°          | 6800                     | 3400                     | 60°          | 6800                     | 3400                     | 71°          | 6800                     | 3400                     | 76°          | 4400                     | 3400                     |
| 12               |              |                          |                          | 53°          | 5200                     | 2600                     | 66°          | 5200                     | 2600                     | 73°          | 4400                     | 2600                     |
| 14               |              |                          |                          | 45°          | 4000                     | 2000                     | 61°          | 4000                     | 2000                     | 69°          | 4000                     | 2000                     |
| 16               |              |                          |                          | 35°          | 3100                     | 1550                     | 56°          | 3100                     | 1550                     | 66°          | 3100                     | 1550                     |
| 20               |              |                          |                          |              |                          |                          | 45°          | 2200                     | 1100                     | 58°          | 2200                     | 1100                     |
| 25               |              |                          |                          |              |                          |                          | 25°          | 1550                     | 750                      | 47°          | 1550                     | 750                      |
| 30               |              |                          |                          |              |                          |                          |              |                          |                          | 34°          | 1550                     | 550                      |
|                  | 1°           | 6000                     | 3000                     | 1°           | 2400                     | 1200                     | 1°           | 1400                     | 650                      | 1°           | 900                      | 400                      |
|                  |              | (10.9ft.)                |                          |              | (18.9ft.)                |                          |              | (26.8ft.)                |                          |              | (34.7ft.)                |                          |

3. The operator must reduce loads to allow for such factors as wind, ground conditions, operating speed and the effects of freely suspended loads such as boom deflection.

4. For boom lengths not shown, use the rated lifting capacity of next longer boom.

5. When outriggers are extended to mid position, use the rated lifting capacities for outriggers extended to min. position.

6. For boom lengths longer than 28.5 ft., extend outriggers to max.

7. 36.1 ft. boom means 1st mark on 4th boom section side plate is half visible.

8. 43.8 ft. boom means 2nd mark on 4th boom section side plate is half visible.





**RATED LIFTING CAPACITIES (IN POUNDS)****MODEL : TM-ZR505XL CAPACITY CHART ; D**

| Load Radius (ft)                                              | 12.4 ft Boom |                     |      | 20.4 ft Boom |                     |      | 28.2 ft Boom |                     |      | 36.0 ft Boom |                          | 43.7 ft Boom |                          |
|---------------------------------------------------------------|--------------|---------------------|------|--------------|---------------------|------|--------------|---------------------|------|--------------|--------------------------|--------------|--------------------------|
|                                                               | Boom<br>∠    | Outriggers Extended |      | Boom<br>∠    | Outriggers Extended |      | Boom<br>∠    | Outriggers Extended |      | Boom<br>∠    | Outriggers Extended Max. | Boom<br>∠    | Outriggers Extended Max. |
|                                                               |              | Max.                | Min. |              | Max.                | Min. |              | Max.                | Min. |              |                          |              |                          |
| 5                                                             | 66°          | *10000              | 7000 | 76°          | 7000                | 7000 |              |                     |      |              |                          |              |                          |
| 8                                                             | 49°          | 7000                | 6800 | 67°          | 7000                | 6800 | 75°          | 7000                | 6800 | 78°          | 4400                     |              |                          |
| 10                                                            | 33°          | 7000                | 5400 | 61°          | 7000                | 5400 | 71°          | 7000                | 5400 | 75°          | 4400                     | 78°          | 2900                     |
| 12                                                            |              |                     |      | 54°          | 6800                | 3900 | 66°          | 6500                | 3900 | 72°          | 4400                     | 76°          | 2900                     |
| 14                                                            |              |                     |      | 47°          | 5700                | 3100 | 62°          | 5700                | 3100 | 69°          | 4400                     | 73°          | 2900                     |
| 10,000lbs. @ 5' (5-part lines) 7,000 lbs. @ 5' (4-part lines) |              |                     |      |              |                     |      |              |                     |      |              |                          |              |                          |
| 16                                                            |              |                     |      | 38°          | 4800                | 2650 | 57°          | 4800                | 2600 | 66°          | 4100                     | 71°          | 2900                     |
| 20                                                            |              |                     |      |              |                     |      | 46°          | 3500                | 1800 | 58°          | 3200                     | 65°          | 2400                     |
| 25                                                            |              |                     |      |              |                     |      | 27°          | 2600                | 1350 | 47°          | 2400                     | 57°          | 1900                     |
| 30                                                            |              |                     |      |              |                     |      |              |                     |      | 34°          | 1900                     | 49°          | 1550                     |
| 35                                                            |              |                     |      |              |                     |      |              |                     |      |              |                          | 38°          | 1350                     |
| 40                                                            |              |                     |      |              |                     |      |              |                     |      |              |                          | 25°          | 1150                     |
|                                                               | 1°           | 6800                | 4200 | 1°           | 3600                | 1850 | 1°           | 2300                | 1150 | 1°           | 1600                     | 1°           | 1100                     |
|                                                               |              | (11.7ft.)           |      |              | (19.7ft.)           |      |              | (27.5ft.)           |      |              | (35.3ft.)                |              | (43.1ft.)                |

**MODEL : TM-ZR505XL CAPACITY CHART ; A**

| Load Radius (ft)                                              | 12.4 ft Boom |                     |      | 20.4 ft Boom |                     |      | 28.2 ft Boom |                     |      | 36.0 ft Boom |                          | 43.7 ft Boom |                          |
|---------------------------------------------------------------|--------------|---------------------|------|--------------|---------------------|------|--------------|---------------------|------|--------------|--------------------------|--------------|--------------------------|
|                                                               | Boom<br>∠    | Outriggers Extended |      | Boom<br>∠    | Outriggers Extended |      | Boom<br>∠    | Outriggers Extended |      | Boom<br>∠    | Outriggers Extended Max. | Boom<br>∠    | Outriggers Extended Max. |
|                                                               |              | Max.                | Min. |              | Max.                | Min. |              | Max.                | Min. |              |                          |              |                          |
| 5                                                             | 66°          | *10000              | 7000 | 76°          | 7000                | 7000 |              |                     |      |              |                          |              |                          |
| 8                                                             | 49°          | 7000                | 4500 | 67°          | 7000                | 4500 | 75°          | 6000                | 4500 | 78°          | 4400                     |              |                          |
| 10                                                            | 33°          | 6800                | 3400 | 61°          | 6800                | 3400 | 71°          | 6800                | 3400 | 75°          | 4400                     | 78°          | 2900                     |
| 12                                                            |              |                     |      | 54°          | 5200                | 2500 | 66°          | 5200                | 2500 | 72°          | 4400                     | 76°          | 2900                     |
| 14                                                            |              |                     |      | 47°          | 3900                | 1900 | 62°          | 3900                | 1900 | 69°          | 3900                     | 73°          | 2900                     |
| 10,000lbs. @ 5' (5-part lines) 7,000 lbs. @ 5' (4-part lines) |              |                     |      |              |                     |      |              |                     |      |              |                          |              |                          |
| 16                                                            |              |                     |      | 38°          | 3000                | 1450 | 57°          | 3000                | 1450 | 66°          | 3000                     | 71°          | 2900                     |
| 20                                                            |              |                     |      |              |                     |      | 46°          | 2000                | 950  | 58°          | 2000                     | 65°          | 2000                     |
| 25                                                            |              |                     |      |              |                     |      | 27°          | 1350                | 600  | 47°          | 1350                     | 57°          | 1350                     |
| 30                                                            |              |                     |      |              |                     |      |              |                     |      | 34°          | 1050                     | 49°          | 1050                     |
| 35                                                            |              |                     |      |              |                     |      |              |                     |      |              |                          | 38°          | 850                      |
| 40                                                            |              |                     |      |              |                     |      |              |                     |      |              |                          | 25°          | 700                      |
|                                                               | 1°           | 5500                | 2700 | 1°           | 2100                | 1000 | 1°           | 1200                | 500  | 1°           | 800                      | 1°           | 600                      |
|                                                               |              | (11.7ft.)           |      |              | (19.7ft.)           |      |              | (27.5ft.)           |      |              | (35.3ft.)                |              | (43.1ft.)                |





MODEL : TM-ZR506XL CAPACITY CHART ; D

| Load Radius (ft) | 12.7 ft Boom |                     |      | 20.6 ft Boom |                     |      | 28.5 ft Boom |                     |      | 36.1ft Boom |                          | 43.8 ft Boom |                          | 51.4 ft Boom |                          |
|------------------|--------------|---------------------|------|--------------|---------------------|------|--------------|---------------------|------|-------------|--------------------------|--------------|--------------------------|--------------|--------------------------|
|                  | Boom<br>/    | Outriggers Extended |      | Boom<br>/    | Outriggers Extended |      | Boom<br>/    | Outriggers Extended |      | Boom<br>/   | Outriggers Extended Max. | Boom<br>/    | Outriggers Extended Max. | Boom<br>/    | Outriggers Extended Max. |
|                  |              | Max.                | Min. |              | Max.                | Min. |              | Max.                | Min. |             |                          |              |                          |              |                          |
| 5                | 67°          | 7000                | 7000 | 77°          | 7000                | 7000 |              |                     |      |             |                          |              |                          |              |                          |
| 8                | 50°          | 7000                | 6800 | 68°          | 7000                | 6800 | 75°          | 7000                | 6800 | 78°         | 4400                     |              |                          |              |                          |
| 10               | 36°          | 7000                | 5400 | 62°          | 7000                | 5400 | 71°          | 7000                | 5400 | 75°         | 4400                     | 78°          | 2900                     |              |                          |
| 12               |              |                     |      | 55°          | 6800                | 3900 | 67°          | 6500                | 3900 | 72°         | 4400                     | 76°          | 2900                     | 78°          | 1100                     |
| 14               |              |                     |      | 48°          | 5700                | 3100 | 62°          | 5700                | 3100 | 69°         | 4400                     | 73°          | 2900                     | 76°          | 1100                     |
| 16               |              |                     |      | 39°          | 4800                | 2600 | 57°          | 4800                | 2600 | 66°         | 4100                     | 71°          | 2900                     | 73°          | 1100                     |
| 20               |              |                     |      |              |                     |      | 46°          | 3500                | 1750 | 58°         | 3200                     | 65°          | 2400                     | 69°          | 1100                     |
| 25               |              |                     |      |              |                     |      | 28°          | 2600                | 1300 | 48°         | 2400                     | 57°          | 1900                     | 63°          | 900                      |
| 30               |              |                     |      |              |                     |      |              |                     |      | 35°         | 1900                     | 49°          | 1550                     | 56°          | 800                      |
| 35               |              |                     |      |              |                     |      |              |                     |      |             |                          | 38°          | 1350                     | 49°          | 700                      |
| 40               |              |                     |      |              |                     |      |              |                     |      |             |                          | 25°          | 1150                     | 40°          | 600                      |
| 45               |              |                     |      |              |                     |      |              |                     |      |             |                          |              |                          | 30°          | 550                      |
| 50               |              |                     |      |              |                     |      |              |                     |      |             |                          |              |                          |              |                          |
|                  | 1°           | 6800                | 4000 | 1°           | 3500                | 1800 | 1°           | 2200                | 1100 | 1°          | 1600                     | 1°           | 1100                     | 1°           | 500                      |
|                  |              | (11.9ft.)           |      |              | (19.9ft.)           |      |              | (27.7ft.)           |      |             | (35.4ft.)                |              | (43.1ft.)                |              | (50.8ft.)                |

MODEL : TM-ZR506XL CAPACITY CHART ; A

| Load Radius (ft) | 12.7 ft Boom |                     |      | 20.6 ft Boom |                     |      | 28.5 ft Boom |                     |      | 36.1ft Boom |                          | 43.8 ft Boom |                          | 51.4 ft Boom |                          |
|------------------|--------------|---------------------|------|--------------|---------------------|------|--------------|---------------------|------|-------------|--------------------------|--------------|--------------------------|--------------|--------------------------|
|                  | Boom<br>/    | Outriggers Extended |      | Boom<br>/    | Outriggers Extended |      | Boom<br>/    | Outriggers Extended |      | Boom<br>/   | Outriggers Extended Max. | Boom<br>/    | Outriggers Extended Max. | Boom<br>/    | Outriggers Extended Max. |
|                  |              | Max.                | Min. |              | Max.                | Min. |              | Max.                | Min. |             |                          |              |                          |              |                          |
| 5                | 67°          | 7000                | 7000 | 77°          | 7000                | 7000 |              |                     |      |             |                          |              |                          |              |                          |
| 8                | 50°          | 7000                | 4500 | 68°          | 7000                | 4500 | 75°          | 7000                | 4500 | 78°         | 4400                     |              |                          |              |                          |
| 10               | 36°          | 6800                | 3400 | 62°          | 6800                | 3400 | 71°          | 6800                | 3400 | 75°         | 4400                     | 78°          | 2900                     |              |                          |
| 12               |              |                     |      | 55°          | 5100                | 2400 | 67°          | 5100                | 2400 | 72°         | 4400                     | 76°          | 2900                     | 78°          | 1100                     |
| 14               |              |                     |      | 48°          | 3800                | 1800 | 62°          | 3800                | 1800 | 69°         | 3800                     | 73°          | 2900                     | 76°          | 1100                     |
| 16               |              |                     |      | 39°          | 3000                | 1400 | 57°          | 3000                | 1400 | 66°         | 3000                     | 71°          | 2900                     | 73°          | 1100                     |
| 20               |              |                     |      |              |                     |      | 46°          | 2000                | 900  | 58°         | 2000                     | 65°          | 2000                     | 69°          | 1100                     |
| 25               |              |                     |      |              |                     |      | 28°          | 1300                | 550  | 48°         | 1300                     | 57°          | 1300                     | 63°          | 900                      |
| 30               |              |                     |      |              |                     |      |              |                     |      | 35°         | 1000                     | 49°          | 1000                     | 56°          | 800                      |
| 35               |              |                     |      |              |                     |      |              |                     |      |             |                          | 38°          | 750                      | 49°          | 700                      |
| 40               |              |                     |      |              |                     |      |              |                     |      |             |                          | 25°          | 600                      | 40°          | 550                      |
| 45               |              |                     |      |              |                     |      |              |                     |      |             |                          |              |                          | 30°          | 450                      |
| 50               |              |                     |      |              |                     |      |              |                     |      |             |                          |              |                          |              |                          |
|                  | 1°           | 5200                | 2500 | 1°           | 2000                | 900  | 1°           | 1100                | 400  | 1°          | 700                      | 1°           | 500                      | 1°           | 350                      |
|                  |              | (11.9ft.)           |      |              | (19.9ft.)           |      |              | (27.7ft.)           |      |             | (35.4ft.)                |              | (43.1ft.)                |              | (50.8ft.)                |





## GENERAL DATA FOR SUITABLE TRUCKS

### CAPACITY; A

Gross Axle Weight Rating  
(GAWR), front.....9,000 lbs. or more.

Gross Axle Weight Rating  
(GAWR), rear.....17,000 lbs. or more

Gross Vehicle Weight Rating.....26,000 to 55,000 lb.

Cab to Axle / trunnion (CA/CT).....145 to 215"

Frame Section Modulus(SM)  
under crane; (per rail).....10 cu. inch 110,000PSI  
22 cu. inch 50,000PSI

Frame Section Modulus (SM)  
over rear spring hanger;  
(per rail).....10 cu. inch 110,000PSI

PTO torque.....115 ft-lbs. Min.

PTO revolution.....Approx. 270 to 2800 rpm

Width for crane mounting.....Approx. 2' 5 1/2" min.

Frame width range  
(inside to outside).....Approx. 2' to 3' 1 7/8"

Frame height  
(ground to frame top).....Approx. 3'9" Max.  
(Height of crane mounting base can be changed by combination  
of jack floats and crane bases)

### CAPACITY; D

Gross Axle Weight Rating  
(GAWR), front.....1,200 lbs. or more

Gross Axle Weight Rating  
(GAWR), rear .....21,000 lbs. or more

Gross Vehicle Weight Rating.....33,000 to 55,100 lbs.



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