The TADANO TM-1052 is the only true 10 ton telescopic crane offered today. With a tip height of 62 feet, this crane answers the demand for a compact, continuous rotation hydraulic crane that can be mounted in a number of configurations. With options of a work basket and radio remotes, this crane becomes an aerial work platform as well as a crane.

If you are in the market for a true 10 ton crane, the TADANO TM-1052 has the features everyone is asking for in a versatile crane package.

TADANO builds a vast range of cranes from 0.5 ton to 600 tons. No matter what your reach or lift requirements are, TADANO can provide you with a great solution. Put one to work for you now. Call today or visit our web site for more information.

**Features:**

- **(Exceptional Reach without a Jib:**
  - 52.23 ft. Full powered partly synchronized Boom

- **Self-Aligning Pentagonal Shaped Boom:**
  - reducing maintenance cost

- **Light Weight:**
  - increases payload

- **Out & Down Mainframe Outriggers:**
  - complete level ability

- **Multiple Outrigger Span:**
  - easy to set up in various job sites

- **Faster Function Speeds:**
  - increase productivity

- **Superior Winch Performance:**
  - up to 147 FPM increase productivity

- **Shear Plate Mounting:**
  - more secure "no creep mount"

- **Large Hydraulic Reservoir:**
  - superior cooling capabilities

- **Operator Friendly:**
  - dual control stations with exceptional job site viewing

- **Complete Load Monitoring:**
  - TADANO’s exclusive “AMA” system

---

**HYDRAULIC**

- **Hydraulic motor**
  - Axial piston type for winch and swing

- **Control valves**
  - Multiple control valves with integral safety valve

- **Recommended Hydraulic pump**
  - Pressure: Max. 3,000 PSI capacity
  - Delivery: Max. 15.8 GPM (60L/min)

- **Reserve tank**
  - 24 Gallons capacity

**SAFETY DEVICE**

- **Anti-block with alarm**
- **Hook safety latch**
- **Level gauge**
- **Hydraulic safety valves, check valves and holding valves**
- **Over load alert with load indicator (TADANO’s exclusive “AMA” system)**
- **Load indication**
- **Load moment ratio to rated load indication**
- **Auxable warning**
- **External warning lamps**

**ELECTRICAL SYSTEM**

- **Motor supply**
  - DC 12V

**SOUND AND ACCESSORIES**

- **Radio Remote Controls**
  - Model: RCS-F (Approved by FCC / IC)
  - Control functions of boom telescoping, hoisting up and down, boom-elevating, swing, acceleration, speed mode selection, emergency stop, engine start and vehicle horn

  **Transmitter**
  - 6V DC, Dry battery (AA) x 4
  - Control unit
  - 12V DC, Vehicle battery

  **Transmitter weight**
  - Approx. 1.26 lbs. (includes batteries)

  **One person basket (Radio Remote Controls required, D & F chart only)**
The TADANO TM-1052 is the only true 10 ton telescopic crane offered today. With a tip height of 62 feet, this crane answers the demand for a compact, continuous rotation hydraulic crane that can be mounted in a number of configurations. With options of a work basket and radio remotes, this crane becomes an aerial work platform as well as a crane.

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**HYDRAULIC**

- Axial piston type for winch and swing
- Multiple control valves with integral safety valve

**RECOMMENDED HYDRAULIC PUMP**

- Pressure: Max. 3,000 PSI capacity
- Delivery: Max. 15.8 GPM (60L/min)
- Reserve tank: 24 Gallons capacity
- *PTO/ Mounting not included*

**ELECTRICAL SYSTEM**

- Power supply: DC12V

**SAFETY DEVICE**

- Anti-two block with alarm
- Hook safety latch
- Level gauge
- Hydraulic safety valves, check valves and holding valves
- Over load alarm with load indicator (TADANO’s exclusive “AMA” system)
- Load indication
- Load moment ratio to rated load indication
- Audible warning
- External warning lamps

**BOOM REST**

- Not required

**LOCALLY PROVIDED EQUIPMENT**

- Crane mounting parts (Include P.T.O Mounting, Pump )
- Hydraulic pump

**CRANE WEIGHT**

- Approx. 6,900 lbs. (crane bare)

**OPTIONS AND ACCESSORIES**

- **Master Remote Controls**
  - Model: RCS-F (Approved by FCC / IC)
  - Control functions of boom telescoping, hoisting up and down, boom elevating, swing, acceleration, speed mode selection, emergency stop, engine start and vehicle horn
  - Frequency: 40 frequencies in 429 MHz band
  - Operating power supply: 6V DC, Dry battery (AA) x 4
  - T: Control unit
  - D: DC 12V, Vehicle battery
  - Approx. 1.26 lbs. (includes batteries)

- **One person basket** (Radio Remote Controls required, D & F chart only)

**TADANO AMERICA CORPORATION**

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HOUSTON, TEXAS 77073 U.S.A.
PHONE: (281) 859-0330
FAX: (281) 859-0340
E-mail: sales@tadano-cranes.com
http://www.tadanoamerica.com

**Non CDL Truck mount available**

Known World Wide, TADANO Quality in North America
### TM-1052 (10 ton) crane specifications

#### RATED LIFTING CAPACITY (IN POUNDS)

<table>
<thead>
<tr>
<th>BOOM LENGTH IN FEET</th>
<th>WORKING RANGE</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

#### CAB MOUNTED

- **Outriggers (Out & Down type)**: Hydraulically extended sliders and hydraulically extended jacks, integral with crane frame.
  - Ext. width: Min. 7'-6 1/8", Mid. 9'-2 1/32", Max. 10'-1 8/32".

- **Rear stabilizers (Straight Down type)**: Hydraulically extended jacks, integral with crane frame.
  - Span: 7'-4 1/8".

#### EXTENDED MID.

- **Boom point**: 3 sheaves.

#### RATED LIFTING CAPACITY (IN POUNDS)

<table>
<thead>
<tr>
<th>CAPACITY CHART</th>
<th>Module capacity</th>
<th>Load capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

### TM-1052 (10 ton) crane configurations

1. **Rated lifting capacities on this chart show maximum allowable loads with the outriggers properly extended and on a firm surface and the crane leveled and mounted on a factory recommended truck. The rated lifting capacities in this chart are based on crane weight on crane, or in addition to maximum crane weight on crane and counterweight. For conditions other than those specified, the crane capacity should be considered reduced or not to exceed those limitations specified.**

2. **Rated lifting capacities on this chart long boom length or capacity are based on crane strength and others, on its stability (not to exceed 85% of tipping).**

3. **Elevated by double-acting hydraulic cylinder.**

4. **Elevation speed and elevation speed are calculated under the condition that the flow is 15.8 GPM.**

5. **For maximum hinged load.**

6. **For maximum hinged load.**

7. **For boom lengths longer than 42.8ft., extend outriggers to max. position.**

8. **This mount requires, rear stabilizers, and additional counterweight in the overload area to maintain crane stability and meet the crane stability and counterweight requirements for various trucks.**

### OUTRIGGERS

- **CAB BACK MOUNTED**
  - Outriggers (Out & Down type): Hydraulically extended sliders and hydraulically extended jacks, integral with crane frame.
  - Ext. width: Min. 7'-6 1/8", Mid. 9'-2 1/32", Max. 10'-1 8/32".

- **<REAR MOUNTED>**
  - Rear outriggers (Out & Down type): Hydraulically extended sliders and hydraulically extended jacks, integral with crane frame.
  - Ext. width: Min. 7'-6 1/8", Mid. 9'-2 1/32", Max. 10'-1 8/32".

### RATING LIFTING CAPACITY (IN POUNDS)

<table>
<thead>
<tr>
<th>CAPACITY CHART</th>
<th>Load capacity</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

### MAXIMUM LIFTING CAPACITY

- **20,000 lbs. @ 5'-8'' (8-part lines - Deviated chart)**
- **13,200 lbs. @ 6'-4'' (6-part lines)**
- **6,000 lbs. @ 16'-2'' (2-part lines)**

### HYDRAULIC motor driven, planetary gear speed reduction, provided with automatic brake and cable follower

- **WINCH**
  - **Boom point**: 3 sheaves.
  - **Elevation point**: 3 sheaves.

### MAXIMUM RATED LIFTING CAPACITY

- **Singly, fully powered party synchronized telescoping boom of pentagonal box construction**
  - **Retracted length**: 14'-4".
  - **Extended length**: 52'-27".
  - **Elevated by double-acting hydraulic cylinder**
  - **Elevation**: Min. 1'-8", Max. 82'-8".

### DRAWING OF THE CHASSIS (A & B)

- **Width of full-circle swing on ball bearing slew ring, Automatic swing lock**
  - **Hydraulic motor driven, Worm gear speed reduction, Continuous**
  - **Control panel**: Includes control panel.

### CAB MOUNTED

- **Outriggers (Out & Down type)**: Hydraulically extended sliders and hydraulically extended jacks, integral with crane frame.
  - Ext. width: Min. 7'-6 1/8", Mid. 9'-2 1/32", Max. 10'-1 8/32".

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  - Ext. width: Min. 7'-6 1/8", Mid. 9'-2 1/32", Max. 10'-1 8/32".

### LIST OF SPECIFICATIONS

- **Hydraulic motor driven, planetary gear speed reduction, provided with automatic brake and cable follower**
  - **Single line pull**: 3,340 lbs.
  - **Single line speed**: approx. 140 RPM (4th layer).

### CAB BACK MOUNTED

- **Outriggers (Out & Down type)**: Hydraulically extended sliders and hydraulically extended jacks, integral with crane frame.
  - Ext. width: Min. 7'-6 1/8", Mid. 9'-2 1/32", Max. 10'-1 8/32".

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  - Ext. width: Min. 7'-6 1/8", Mid. 9'-2 1/32", Max. 10'-1 8/32".

### CAB MOUNTED

- **Outriggers (Out & Down type)**: Hydraulically extended sliders and hydraulically extended jacks, integral with crane frame.
  - Ext. width: Min. 7'-6 1/8", Mid. 9'-2 1/32", Max. 10'-1 8/32".
### Maximum Lifting Capacity

- **20,000 lbs. (916 kg) (6-string wire) & 19,900 lbs. (907 kg) (4-string wire)**
- **6,000 lbs. (768 kg) (2-string wire)**

### Rear Stabilizers

- **Min. 9-2/36”**
- **Max. 14-1-32”**

### Rear Outriggers (Straight Down Type)

- Hydrostatically extended sliders and integral with crane frame
- **Max. 12-9-36”**
- **Max. 17-9-36”**

### Work Range

- **Height: 1° to 82°**
- **Time: 19 s**

### Boom Angle

- **Max. 50°**
- **Max. 34°**

### Capacity Charts

**Capacity Chart A (Sprayed Oil)**

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<thead>
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</thead>
<tbody>
<tr>
<td>10 ft.</td>
<td>9,250</td>
<td>5,650</td>
<td>3,650</td>
<td>2,650</td>
<td>1,700</td>
<td>1,700</td>
<td>2,650</td>
<td>2,650</td>
<td>2,650</td>
<td>2,650</td>
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<tr>
<td>12 ft.</td>
<td>13,200</td>
<td>9,450</td>
<td>6,450</td>
<td>4,450</td>
<td>3,450</td>
<td>3,450</td>
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<tr>
<td>14 ft.</td>
<td>17,800</td>
<td>13,000</td>
<td>9,000</td>
<td>6,000</td>
<td>4,000</td>
<td>4,000</td>
<td>5,000</td>
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<td>5,000</td>
</tr>
<tr>
<td>16 ft.</td>
<td>22,400</td>
<td>17,600</td>
<td>13,600</td>
<td>10,600</td>
<td>8,600</td>
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<td>9,600</td>
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</tbody>
</table>

### Crane Dimensions

- **Frame height (ground to frame top)**: Approx. 3’ 6” max.
- **Frame width range (inside to outside)**: Approx. 2’ to 3’ 1-1/2”
- **Over-side area**: 1,900 cu. inch
- **9,000 psi**
- **Gross axle weight rating (GAWR)**: Rear 17,000 lbs. or more
- **Front 21,000 lbs. or more**

### Other Features

- **Swing speed**: approx. 2.5 rpm
- **Hydraulic motor driven, planetary gear speed reduction, Worm gear speed reduction, Continuous**
- **Elevation speed**: 1˚ to 82˚
- **Winch**: Elevator speed: 33˚
- **Note**: The chart is only for reference and should not be used for operation.

### Note

- **For boom lengths longer than 33.3 ft., extend outriggers to max. position. (In capacity chart A & C)**
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- Hydraulic motor: Axial piston type for winch and swing
- Control valves: Multiple control valves with integral safety valve

**Recommended Hydraulic pump**

<table>
<thead>
<tr>
<th>Pressure</th>
<th>3,000 PSI capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery</td>
<td>15.8 (SPM-30L/min)</td>
</tr>
<tr>
<td>Reserve tank</td>
<td>24 Gallons capacity</td>
</tr>
</tbody>
</table>

*PTO/Mounting not included*  

**ELECTRICAL SYSTEM**

- Power supply: DC/12V

**SAFETY DEVICE**

- Anti-tow block with alarm
- Hook safety latch
- Level gauge
- Hydraulic safety valves, check valves and holding valves
- Over load alert with load indicator (TADANO’s exclusive “AMA” system)
- Load indication
- Audible warning
- External warning lamps

**BOOM MATERIAL**

- No required

**LOCALLY PROVIDED EQUIPMENT**

- Crane mounting parts (Include P.T.O Mounting, Pump)

**HYDRAULIC PUMP**

- Application: 1500 ft. (drain band)

**OPTIONS AND ACCESSORIES**

- Model: RCS-F (Approved by FCC / IC)
- Control functions of boom telescoping, holding up and down, boom elevating, swing, acceleration, speed mode selection, emergency stop, engine start and vehicle horn
- Frequency: 40 frequencies in 429 MHz band
- Operating power supply: 6V DC, Dry battery (AA) x 4
- Transmitter: Control unit 12V DC, Vehicle battery
- Control unit: Approx. 1.26 lbs. (includes batteries)
- Transmitter weight: Approx. 1.26 lbs. (includes batteries)
- One person basket (Radio Remote Controls required, D & F chart only)