### MACHINE WEIGHTS

**STANDARD CRANE with 5 section - 47.2 m boom, 900 mm triple bar semi-grouser track shoes, auxiliary winch with wire rope, 2 pcs 4.535 t carbody counterweight, 18 m 2-staged bi-fold jib, 12.5 t headache ball**

<table>
<thead>
<tr>
<th>Item</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counterweight 10.59 t (configuration A)</td>
<td>10,590 kg</td>
</tr>
<tr>
<td>Counterweight 5.3 t x 2 (configuration B)</td>
<td>10,600 kg</td>
</tr>
<tr>
<td>Counterweight 5.3 t x 2 (configuration C)</td>
<td>10,600 kg</td>
</tr>
<tr>
<td>Auxiliary boom head</td>
<td>135 kg</td>
</tr>
<tr>
<td>120 t hook block</td>
<td>1,024 kg</td>
</tr>
<tr>
<td>64 t hook block</td>
<td>588 kg</td>
</tr>
</tbody>
</table>

**STANDARD CRANE with 5 section - 47.2 m boom, auxiliary winch with wire rope (Counterweight and track frames removed)**

<table>
<thead>
<tr>
<th>Item</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counterweight 10.59 t (configuration A)</td>
<td>10,590 kg</td>
</tr>
<tr>
<td>Counterweight 5.3 t x 2 (configuration B)</td>
<td>10,600 kg</td>
</tr>
<tr>
<td>Counterweight 5.3 t x 2 (configuration C)</td>
<td>10,600 kg</td>
</tr>
<tr>
<td>Counterweight, carbody 4.535 t x 2</td>
<td>9,070 kg</td>
</tr>
<tr>
<td>2-staged bi-fold jib (3.8 m / 10.2 m / 18 m)</td>
<td>1,948 kg</td>
</tr>
<tr>
<td>2-insert jib (7 m x 2)</td>
<td>954 kg</td>
</tr>
<tr>
<td>Auxiliary boom head</td>
<td>135 kg</td>
</tr>
<tr>
<td>120 t hook block</td>
<td>1,024 kg</td>
</tr>
<tr>
<td>64 t hook block</td>
<td>588 kg</td>
</tr>
<tr>
<td>12.5 t headache ball</td>
<td>199 kg</td>
</tr>
</tbody>
</table>
TADANO MANTIS cranes are engineered like no other. Massive steel fabrications and powerful diesel engines matched to state of the art hydraulics and controls make this crane ideal for both lift applications as well as rugged heavy duty work.

**BENEFITS OF TELESCOPIC BOOM CRAWLER CRANES**

**Quick & Safer**
- Set Up

**Maximum**
- Pick & Carry
- Capacity at 360°

**Compact Work**
- Dimension
- Low Ground Bearing Pressure

**Less Transportation Costs**

---

**GTC-1200**
Crane capacity: 120 t at 3.0 m
Main boom: 5-section, 12.8 m - 47.2 m
2-staged bi-fold jib: 3.8 m / 10.2 m / 18.0 m
2-staged bi-fold jib & 2-insert jib: 25.0 m / 32.0 m *

---

*optional
Tough & Durable Design
Less electronic components and simple control system.
Class exceeding larger boom sections and boom head,
stronger telescopic cylinder.

Benefits obtained from our “Refined Heavy Duty” product concepts:
- Pick & Carry the load on uneven and rough terrain around 360 degrees slew conditions
- Pick & Carry the load with track in retracted position*
- Telescope under full load lifting capacity
- Use of foundation attachments such as vibratory hammer**
- Many added features for safety and operator usability

* Counterweight needs to be installed.
** TADANO MANTIS Guideline for piling extraction using vibratory hammer needs to be followed.

Long Boom and Enhanced Lifting Capacity
Longer boom and enhanced lifting capacity were achieved while retaining the heavy duty boom structure and the ‘Genuine Pick and Carry Design’.

Proven Genuine Pick & Carry Design
Good weight balance and low center of gravity.
(Approx. 10% less dependent on counterweight with weight transferred to the undercarriage.)

Weight dispersion
Low center of gravity!
More stable weight distribution
High center of gravity and backward weight is heavier.

Tough & Durable Design

Track frame
Heavy duty track frame design incorporating full use of FEM analysis ensuring high rigidity.

Carbody frame
Heavy duty rugged carbody frame with strong track extension cylinders.

Designed to allow foundation attachment and high gradeability
Powerful engine and pump.
Powerful track drive motor.

Safety and Easy-To-Use Functions
Incorporates many highly evaluated safety and easy-to-use functions from other Tadano rough terrain and all terrain crane models.
### PRODUCT FEATURES

**Assist Cylinders for Jib**
When mounting and stowing the fly jib, two assist hydraulic cylinders ensure safe and efficient operation.

**Jib Interlock System**
Interlock jib pinning system ensures safer and quicker jib mounting and stowing procedure.

**GTC-1200**
- **Crane capacity:** 120 t at 3.0 m
- **Main boom:** 5-section, 20° – 47.2 m
- **2-staged bi-fold jib:** 3.8 m / 10.2 m / 18.0 m
- **2-staged bi-fold jib & 2-insert jib:** 25.0 m / 32.0 m *

**Maximum lifting height:**
- **Main boom:** 46.5 m
- **With 18 m jib:** 79.0 m
- **With 32 m jib:** 79.0 m

**Maximum load radius:**
- **Main boom:** 44.0 m
- **With 18 m jib:** 60.0 m
- **With 32 m jib:** 60.0 m *

*Optional

**Two Telescoping Mode**

- **Telescoping mode I**
  - 2nd boom section extended
  - 3rd boom section extended
  - 4th/top boom section extended
  - Fully extended

- **Telescoping mode II**
  - 3rd boom section extended
  - 4th/top boom section extended
  - 2nd boom section extended
  - Fully extended

**Load Moment Indicator [AML-C]**
AML-C allows the operator to simultaneously monitor: boom angle, boom length, operating pressure of the elevating cylinder, crane inclination angle, track extension width, counterweight configuration, slewing position, rated lifting capacity and present hook load. The crane inclination angle provided while operator is travelling under the load, AML-C provides the corresponding rated lifting capacity on the screen.

The work range limit function and slow stop function assist the operator to slowly stop boom elevation and slewing motion when the crane approaches the pre-registered boom angle (upper limit, lower limit), lifting height and load radius.

**Operator Comfort**
The spacious crane cab and simple controls offer a more comfortable and functional working environment.

**Front and Rear Zone Lifting Chart**
Even under the tracks in retracted position, GTC-1200 provides the same tracks extended chart for front and rear zone lifting areas. Thus, from the compact work dimension of just only 3.66 m tracks in retracted overall width and working length of 8.35 m (track and counterweight length)**, GTC-1200 performs as the most compact 120 tonner crane.

* Please see load charts for detailed conditions.
** Condition under the boom angle 75 degrees, fully retracted
Operator can present the engine speed at any desired rpm by dial switch. When auto engine idle mode is ON, engine will run at low idle speed until a function is activated, then engine will increase to preset rpm. After all controls are returned to neutral, engine speed will return to low idle speed. This function eases the operator’s fatigue of stepping on the pedal and improves the operability.

Operator can preset the maintenance reminder function on the control screen by selecting the required maintenance items and engine hours from 50 hours up to 2,000 hours.

Auto Engine Idle Mode
Operator can present the engine speed at any desired rpm by dial switch. When auto engine idle mode is ON, engine will run at low idle speed until a function is activated, then engine will increase to preset rpm. After all controls are returned to neutral, engine speed will return to low idle speed. This function eases the operator’s fatigue of stepping on the pedal and improves the operability.

360° Positive Slewing Lock
Operator can lock the slewing brake at any desired position from the cab.

Maintenance Reminder Function
Operator can preset the maintenance reminder function on the control screen by selecting the required maintenance items and engine hours from 50 hours up to 2,000 hours.

HELLO-NET System
HELLO-NET System is an Internet-based crane management system capable of simultaneously monitoring crane location and operating conditions. Service areas differ according to individual countries.

Monitoring machine information from your computer
1. Work History
HELLO-NET Owner’s Site displays the day-to-day operational status, mileage and remaining fuel for each machine equipped with a communication terminal. In addition, you can view a list displaying the number of hours of operation and the mileage of all your machines for any specified month.

2. Machine Position Data
Using HELLO-NET Owner’s Site, you can check a machine’s latest position (up until the previous day) on a map. Two types of position data are transmitted automatically from your machine once a day. Work Site: The location where the machine engine has been activated (for one hour or more). Position at Day’s End: The final location data from the GPS which was received on a given day.

3. Maintenance Information
You can check the maintenance timetable of your machines for periodical replacement parts and inspection schedule. HELLO-NET supports the maintenance of your machine.

Telematics (machine data logging and monitoring system) with HELLO-NET via Internet (*Availability depends on countries). Details: The availability of data communications systems, such as satellite or mobile communications differ according to individual countries. There are some countries where the system itself is not in use. For details, please contact your distributor or our sales staff.

3D Lift Plan
Customize 3D lift simulation at your fingertips for FREE**. Easy access and user friendly webpage allows you to calculate crane configurations and ground bearing pressure simultaneously. Moreover, you can print out detailed configurations and 3D graphics to further support your work preparation.

**Advanced customize functions will be extra.
**PRODUCT FEATURES**

**Self-removable counterweight**
Counterweight can be hydraulically installed/removed by operating remote controller without the need of a support crane.

**Remote Controller**
Counterweight, carbody jack, assist cylinders for jib, emergency backup operation

**Easy Track Frame Removal System**
Track frames and track extend beams can be easily unlocked and locked without the need of tools or heavy lifting by our patented system.

**Counterweight**
Can be hydraulically installed/removed by operating remote controller without the need of a support crane.

**Remote Controller**
Track beams, carbody jack

**Hydraulic quick coupling system for track motor hydraulic connections**

**Two powerful winches with cable follower**
Two powerful winches with cable follower, drum rotation indicator and 3rd wrap indicator.

**Control switch**

**3 Rotation Work Lights**
Light angle can be adjusted by 360° degrees horizontally and 135° degrees vertically from the crane cab.

**Access Steps**

**Wide Access Walkways**

**Wide Hand Rails and Steps**

**Tool Box**
Large 297 liter capacity tool box.

**Work Platform (Approved country only)**
Work platform can be fitted to the boom head. It is all steel construction with self-leveling platform and position lock pin. By selecting Work Platform Chart, permissible operating range will be monitored by the load moment indicator. It is equipped with a DC hydraulic back-up pump integrated into the crane system.

**Steel Flat Shoes**
Substitute steel flat shoes for standard triple bar semi-grouser shoes.

**Anemometer**
Boom or jib mounted wireless anemometer with digital display in cab. It also provides alarm and warning message in the display.

**Optional Items**

**Counterweight**

**Work Platform**

**Anemometer**

**Counterweight**

**Work Platform**

**Anemometer**

**Counterweight**

**Work Platform**

**Anemometer**
WORK APPLICATION

Powerline Transmission & Construction

Wind Energy

Barge

Mining

Foundation & Foundation Support