GT-600EL  GT-300EL

60 METRIC TON CAPACITY  30 METRIC TON CAPACITY

OPTIONAL ITEMS
- Attachment sheave for over 45 t lifting
- ABS
- Rear fog lamp
- Spark arrester (Euro3)

The GT-600EL/300EL:
High Quality We Are Proud Of
State-of-the-Art Truck Cranes Crafted in Japan

GT-600EL
Crane capacity: 60,000 kg
5-section long boom: 43.0 m
2-staged jib: 9.0 m/14.3 m
Maximum lifting height: 43.4 m (Boom)
57.3 m (Jib)
Maximum load radius: 34.0 m (Boom)
44.0 m (Jib)

GT-300EL
Crane capacity: 30,000 kg
4-section long boom: 34.0 m
2-staged jib: 8.5 m/14.0 m
Maximum lifting height: 34.0 m (Boom)
48.0 m (Jib)
Maximum load radius: 32.0 m (Boom)
40.0 m (Jib)

The GT-600EL/300EL redefines what truck cranes should be by offering enhanced safety and performance in all crane operations. The newly designed carrier also boasts refined performance, enabling it to withstand even the harshest running test conditions. Tadano has utilized years of development experience to craft this cutting-edge, Japanese-manufactured truck crane.

CONTENTS

Carrier
Two-person, full-width cabin
High performance engine
Automatic mechanical transmission
Cruise control
New suspensions for the carrier
Test drive for new Truck crane

Crane
Rounded construction boom
Two telescoping modes [Ⅰ] & [Ⅱ]
Two winches with cable follower
Operator Comfort
Under slung jib
Automatic moment limiter (AML-C)
Control of asymmetric extension width of outriggers
Smart Chart system
HELLO-NET
Reduce fuel consumption

WORKING RANGE & DIMENSIONS

HELLO-NET
HELLO-NET
The carrier has been newly designed, right down to the suspension, to pass long and rigorous road tests in a variety of environments and substantially improve crane mobility. The cabin has also been remodeled with features that contribute to comfortable and safe driving, such as automatic mechanical transmission.

Two-person, full-width cabin
The full-sized cabin accommodates two passengers, allows comfortable traveling for the operator.

Automatic mechanical transmission
- **Push forward**: Shifts up a gear. Switches to manual when driving in automatic.
- **Push once to the right**: Changes the shift position according to your speed when driving in manual.
- **Pull backward**: Shifts down a gear. Switches to manual when driving in automatic.
- **Automatic/Manual**: Push to the left. Switches between automatic and manual (switchable at all times).

Rear view camera and monitor

High performance engine [EURO Ⅲ]
- **Daimler OM457LA** *GT-600EL*
  4-cycle, turbo charged and after cooled
  Max. output: 260 kW (353 PS)
  Max. torque: 1,850 Nm (188 kgf·m)
- **Daimler OM926LA** *GT-300EL*
  4-cycle, turbo charged and after cooled
  Max. output: 240 kW (326 PS)
  Max. torque: 1,300 Nm (132 kgf·m)

Cruise control
A system that automatically controls the speed of the carrier

New suspensions for the carrier
The ride quality has been optimized to ensure the driver’s comfort and protect the carrier.

Featuring rubber suspension co-developed with Hendrickson
Extreme durability proven in the harshest environments.
Improved ride comfort and maintainability.

Rear: Rubber suspension mounts

GT-600EL
Overall length: approx. 13,140 mm
Overall width: approx. 3,040 mm
Overall height: approx. 3,780 mm
Max. traveling speed: 85 km/h

GT-300EL
Overall length: approx. 12,620 mm
Overall width: approx. 2,550 mm
Overall height: approx. 3,812 mm
Max. traveling speed: 85 km/h

Sachs shock absorbers
Improved ride comfort and operability.

Front: Reyco leaf-type suspensions *GT-600EL*

Cruise control
A system that automatically controls the speed of the carrier
- Maximum speed test
- Road-holding ability test
- ABS test
- Brake performance test
- Road driving durability test 15,000km
The rounded boom is made of high tensile steel which decreases its weight while increasing its strength to realize smooth and powerful crane operation, while the high-performance AML-C assists with safe and comfortable operation. In addition, the newly developed Smart Chart expands workability into whole new areas to improve operation efficiency.

The operator can select either of the two boom telescoping modes based on the designated job plan. This provides enhanced crane capabilities in accordance with work needs.

Operator Comfort
The crane cabin provides improved livability and offers the operator a comfortable working environment.

**GT-600EL**
Crane capacity: 60,000 kg
5-section long boom: 43.0 m
2-staged jib: 9.0 m/14.3 m
Maximum lifting height: 43.4 m (Boom)
57.3 m (Jib)
Maximum load radius: 34.0 m (Boom)
44.0 m (Jib)

**GT-300EL**
Crane capacity: 30,000 kg
4-section long boom: 34.0 m
2-staged jib: 8.5 m/14.0 m
Maximum lifting height: 34.0 m (Boom)
48.0 m (Jib)
Maximum load radius: 32.0 m (Boom)
40.0 m (Jib)

Two winches with cable follower
Both the main winch and the auxiliary winch have powerful 4.5-ton line pull and operate at high speeds for increased work efficiency.

Winch drum camera and monitor

Two telescoping modes [I] & [II] - GT-600EL

Mode [I]
Mode (I) is extension of 2nd section only. Then synchronized extension of 3rd, 4th and 5th sections.

Mode [II]
Mode (II) is synchronized extension of 3rd, 4th and 5th sections. Then 2nd section independently.

Under slung jib
(Side up type: GT-600EL)
A two-stage, side up jib makes installation in narrow spaces possible.

GT-600EL
Crane capacity: 60,000 kg
5-section long boom: 43.0 m
2-staged jib: 9.0 m/14.3 m
Maximum lifting height: 43.4 m (Boom)
57.3 m (Jib)
Maximum load radius: 34.0 m (Boom)
44.0 m (Jib)

GT-300EL
Crane capacity: 30,000 kg
4-section long boom: 34.0 m
2-staged jib: 8.5 m/14.0 m
Maximum lifting height: 34.0 m (Boom)
48.0 m (Jib)
Maximum load radius: 32.0 m (Boom)
40.0 m (Jib)
Automatic moment limiter [AML-C]

Tadano’s AML-C is easy to use, innovative in design, displays important information to the operator and enables the operator to preset a custom working environment.

For example, the AML-C shows the boom angle, boom length, load radius, operating pressure of the elevating cylinder, the extension width of the outriggers, slewing position, rated lifting capacity and present hook load.

These features allow the AML-C to move seamlessly through all lifting operations without having to change configurations or input new codes to make the lift.

The AML-C safety features provide both audible and visual warnings. When an operation approaches the load limit Tadano’s slow stop function engages to avoid shock loads.

Control of asymmetric extension width of outriggers

When operating the crane with the asymmetric outriggers extended, the AML-C automatically detects the extension width of outriggers at the front and rear, and to the left and right of the crane to allow maximum work capacity in each area.

When slewing the boom from the longer outrigger area to the shorter outrigger area, the AML-C automatically detects the motion and displays the maximum capacity depending on each of the extension widths of outriggers, and brings the motion to a slow stop before it reaches the limits of the allowed capacity.

Therefore, even in the case of operator error, the AML-C’s slow stop function will help to minimize any safety risk.

HELLO-NET

The HELLO-NET System is used to monitor crane activity straight from your computer or mobile device.

You have the ability to view work history, machine position data and maintenance information. HELLO-NET provides advanced customer support between the owners’ site and TADANO Group.

Eco Mode System

The system controls the maximum engine speed during crane operation.

Positive Control System

The system effectively controls the quantity of hydraulic pump discharge at the time of crane operation in response to the amount of movement applied by the operating lever.

Reduce fuel consumption

Fuel consumption CO₂ emissions

Compared with GT-600EX

*GT-600EL

Smart Chart System

The newly developed Smart Chart expands the working area, allowing you to get the best crane performance in any outrigger extension setup.

Smart Chart creates a new working area for you

Tadano’s new Smart Chart taps into a crane’s full potential by expanding the rear part of the conventional circular work area into a square for increased load radius when the outriggers are extended to improve safety and efficiency.

Performance comparison graph (GT-600EL)

Loading range: 146 to 164 degrees

Load radius 31.4 m → 34 m

Approx. 8.3% expansion

Load lifting capacity 0.7 t → 1.01 t

Approx. 44.3% expansion

An example of effects with the Smart Chart (Comparison with conventional control)

Load radius

Load lifting capacity

Eco mode switch

*The above figures differ according to the type of crane used and its operating conditions. 

Note: HELLO-NET availability varies by situation. For detail, please contact your distributor or our sales staff in charge.
Continuing technical development requires Tadano to retain the right to make specifications, equipment and price changes without notice.