TADANO

Truck Cranes

GT-1200XL-2

120 Ton Capacity (110 Metric Tons)

GT-800XL-2

80 Ton Capacity (72.6 Metric Tons)

Opening Up New Realms of Cutting-Edge Truck Crane Technology

GT-1200XL-2

Crane capacity:
120 ton (110 metric ton)

Five-section boom: 167.3 ft (51.0 m)

Two-stage bi-fold jib:
33.8 ft / 58.7 ft (10.3 m / 17.9 m)

Max speed: 65 mph (105 km/h)

CONTENTS

GT-800XL-2

Crane capacity:
80 ton (72.6 metric ton)

Five-section boom: 154.3 ft (47.0 m)

Two-stage bi-fold jib:
33.8 ft / 58.7 ft (10.3 m / 17.9 m)

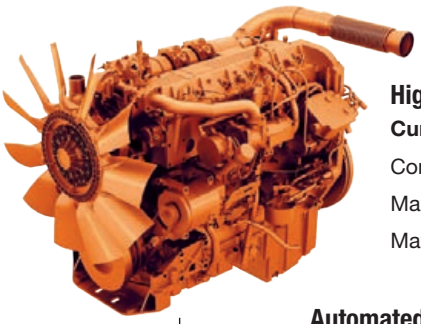
Max speed: 65 mph (105 km/h)

Features

- Cummins X12 (EPA2021) On-Road Engine
- Independent Air Suspension Hendrickson
- Ideal Taxi Crane for Efficient Deployment of Equipment
- Long and Reliable Boom with Easy-to-Setup Jib
- The Load Moment Limiter (AML-E2) Allows Safer and More Efficient Use of the Crane's Full Potential at All Times
- Self-Removable Counterweight System for Speedy Transport to Site and Commencement of Work
- Hello-Net and Hello-Data Link Help Support Remote Management of Equipment

Driving Performance

Ideal for use as a taxi crane, with high-speed travel for efficient deployment of equipment.
Air suspension, automated manual transmission and safety feature ensure safe and comfortable driving for operators.



High-Performance Engine
Cummins X12 (EPA 2021)

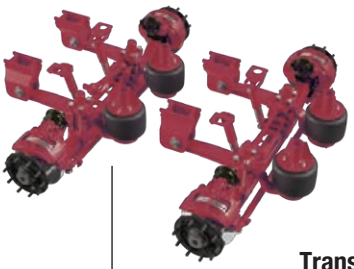
Combustion: 4 cycle, turbo charged and after cooled

Max. output: Gross 500 HP (373 kW)

Max. Torque: 1,700 ft-lb (2,305 Nm)

Max. Traveling Speed: 65 mph (105 km/h)

Automated Manual Transmission
ZF TraXon 12TX 2615 SO



Independent Air Suspension
Hendrickson

Transfer Case
ZF TC27

A Full-Width, Two-Seater Driver's Cab

- **Disc-Brakes on all Wheels**
- **Aluminum Rims**

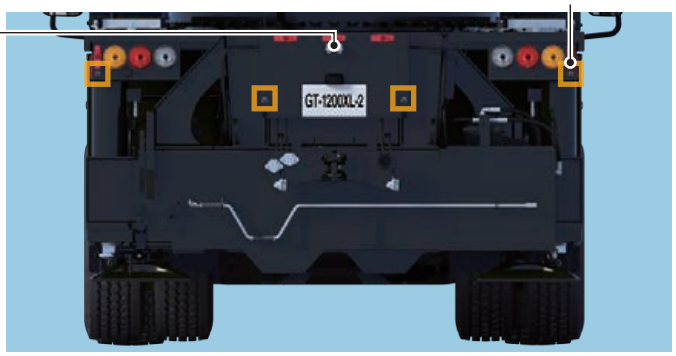
Front: 445/65R22.5 Single Tires
Rear: 315/80R22.5 Dual Tires

Rear Camera Monitor

Helps ensure safety when moving the crane in reverse

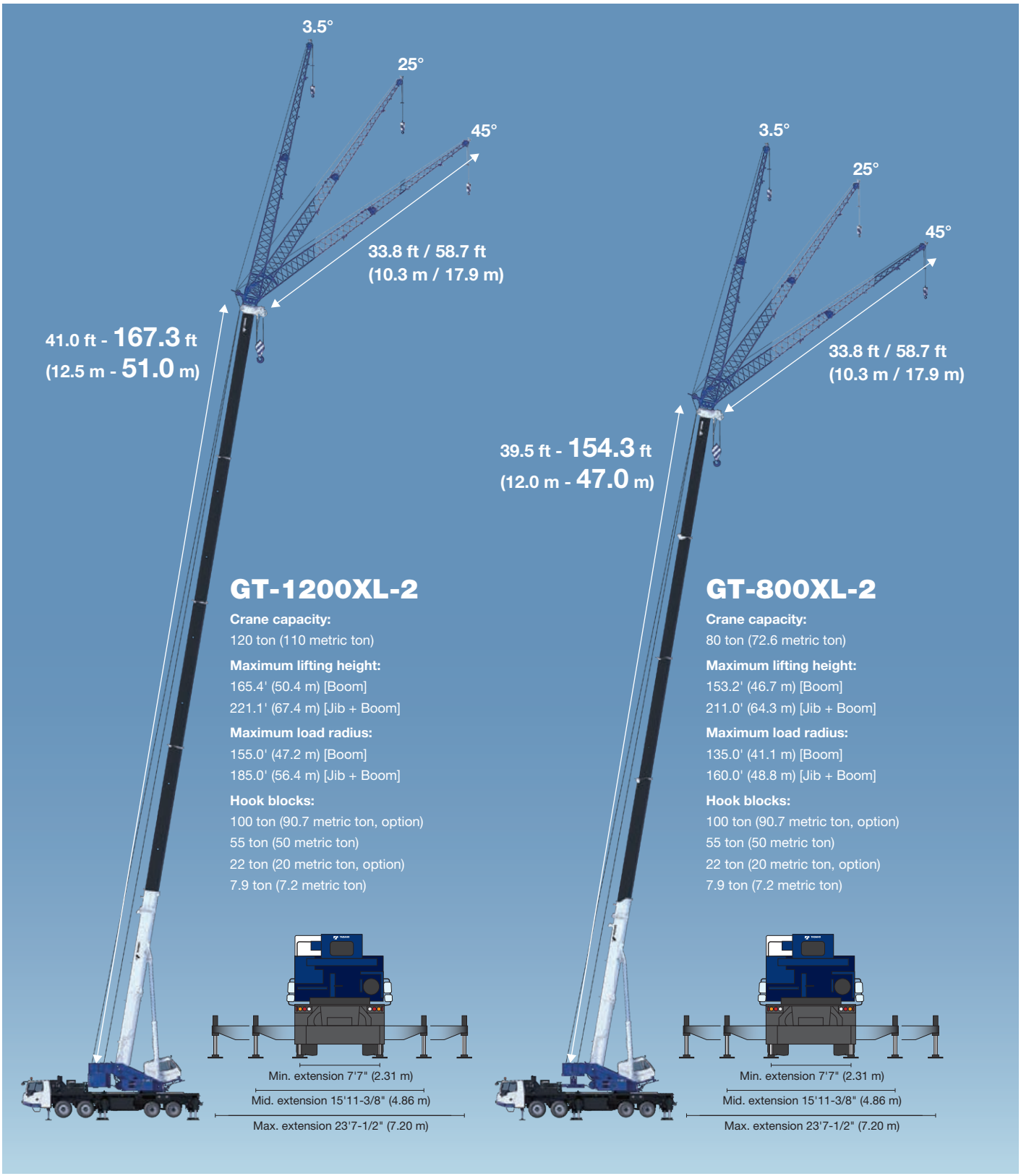
Clearance Sonar

Detects obstacles right behind the vehicle, and warns you with a flashing icon on the indicator and buzzer sound.



Lifting Performance

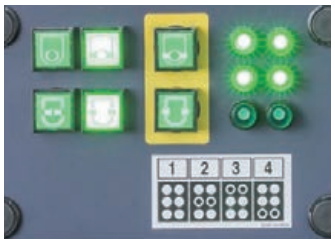
The long, reliable boom and easy-to-setup jib are perfect for a variety of on-site needs, such as for high lifting and powerful lifting. The Load Moment Limiter (AML-E2), with asymmetric outrigger extension width control and Smart Chart features, allows safer and more efficient use of the crane’ s full potential at all times.



Five-Section Long Boom

GT-1200XL-2
Five-section boom, single cylinder telescoping with pinning system

The single telescoping cylinder design allows the boom to telescope in sequence through use of a single hydraulic cylinder that slides internally, connecting each segment with boom fixing pins as they extend.

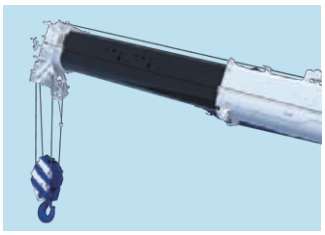


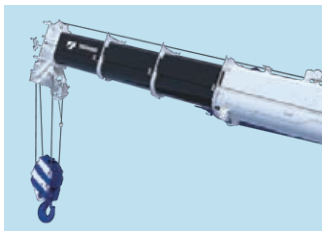
Telescoping status indicator


Telescoping status screen

GT-800XL-2
Five-section full power synchronized telescoping boom

Two Telescoping Modes [I] & [II]
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.


Mode [I]
After the 2nd boom section is fully extended, the 3rd, 4th, and top boom sections are fully extended to a required length simultaneously.


Mode [II]
After the 3rd, 4th, and top boom sections are fully extended simultaneously, the 2nd boom section is extended to a required length.

Bi-Fold Jib

Two-stage bi-fold lattice type, 3.5°, 25° or 45° offset (tilt type). Single sheave, 15-5/8" (0.396 m) root diameter, at the head of both jib sections. Stored alongside base boom section. Jib length is 33.8' (10.3 m) or 58.7' (17.9 m). Assistant cylinders for mounting and stowing, controlled at right side of superstructure. Self stowing jib mounting pins.


Assist Cylinder for Jib
When mounting and stowing the jib, the assist hydraulic cylinders are used resulting in increased work efficiency and safety.

Powerful Winches

Both the main winch and the auxiliary winch have powerful line pull and operate at high speeds for increased work efficiency. Includes two winch drum cameras.


Winch drum monitor

Tiltable Cab

You can operate the crane comfortably by tilting the cab during high hoisting operations such as lifting with the jib. The cab tilting angle is between 0° and 15°.

Cab tilt indicator and switch

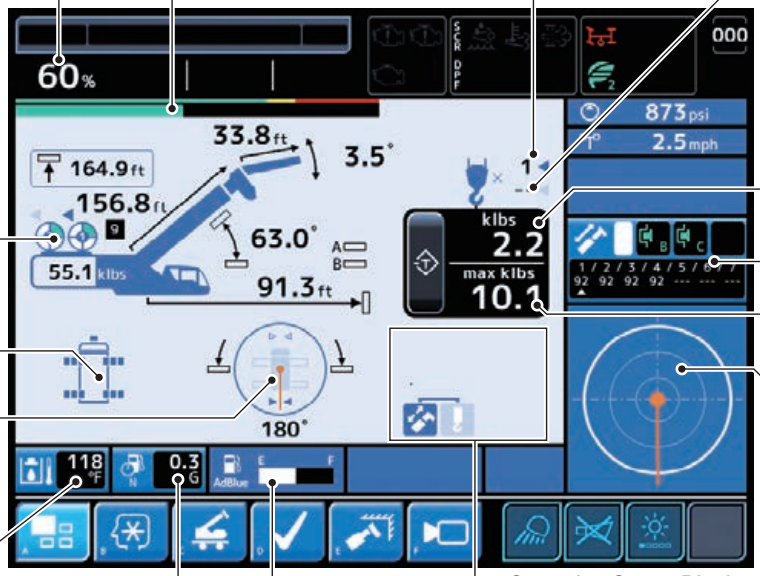
Optimally-Designed Cab

Crane cab and equipment designed for safety and operational efficiency.

Load Moment Indicator [AML-E2] and Large Multi-Function Display

The 10.4-inch color touch panel consolidates operation information and settings for increased work efficiency and comfort. The touch panel is pressure-sensitive to handle gloved operation.

External warning



Operation Status Display

Example)
Working area when outriggers are asymmetrically extended

Winch Drum Monitoring Camera
* The camera image in the photo are simulated.

Operation Status

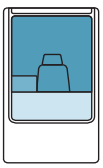
Working Area Setting

Seat Adjustment

Multiple seat adjustment positions for ease of operation.

Visibility

The shape and height of the instrument panel as well as the angle of the windshield have all been designed for optimum forward visibility.

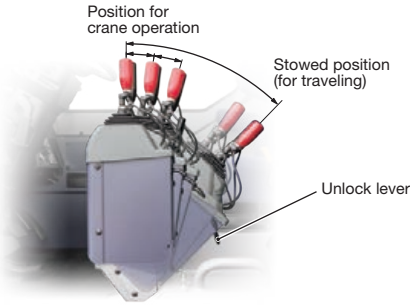


New Cab

Adjustment of Control Lever Stand

- The control lever stand has a 3-stage adjustment feature.
- Before you enter or exit the cab, or when you complete the crane operation, set the control lever stand on the left to the stowing position.
- The unlock lever is used by pulling to adjust for all positions of the control lever stand.

The control levers are smooth and responsive to the operator's touch.



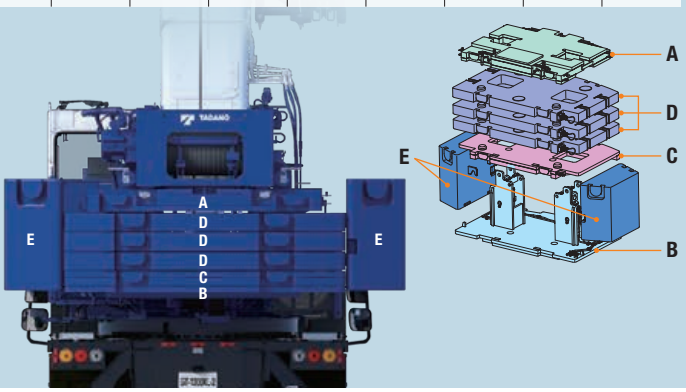
Counterweight

A range of possible combinations allows crane to flexibly respond to a variety of work. A system for mounting and dismounting the counterweight without the use of another crane allows for efficient and speedy transport to sites and the commencement of work.

Counterweight Combination

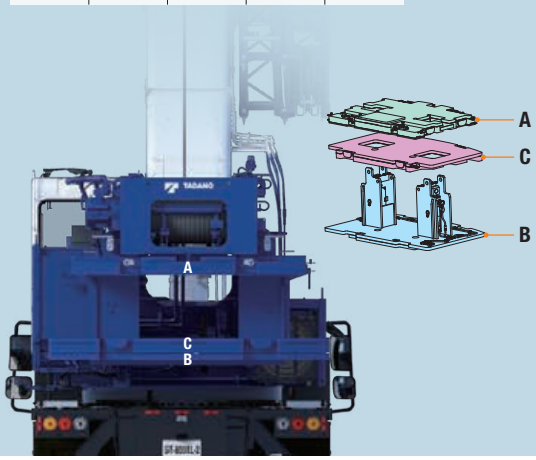
GT-1200XL-2

	0 lbs	7,700 lbs	12,800 lbs	17,900 lbs	25,400 lbs	33,000 lbs	40,600 lbs	55,100 lbs
A: 7,700 lbs		1	1	1	1	1	1	1
B: 5,100 lbs			1	1	1	1	1	1
C: 5,100 lbs				1	1	1	1	1
D: 7,550 lbs					1	2	3	3
E: 7,300 lbs								2



GT-800XL-2

	0 lbs	6,700 lbs	12,400 lbs	17,900 lbs
A: 6,700 lbs		1	1	1
B: 5,700 lbs			1	1
C: 5,500 lbs				1



Mounting and Dismounting Systems

Self-Removable Counterweight

Counterweight is hydraulically mounted and dismounted; in addition, dismounted counterweights can be lifted and moved for transport, and then remounted for operation at a work site without a helper crane.

Counterweight mounting/dismounting remote controller

Counterweight mounting/dismounting cylinder

Counterweight Position and Axle Weight Distribution when Traveling

GT-1200XL-2

17,900 lbs (8.1 t)

Front 50,950 lbs (23.1 t) | Rear 58,300 lbs (26.4 t) | GVW 109,250 lbs (49.5 t)

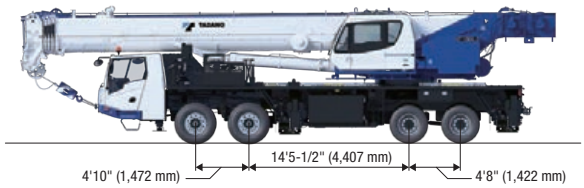
12,800 lbs (5.8 t)

Front 47,300 lbs (21.4 t) | Rear 56,850 lbs (25.8 t) | GVW 104,150 lbs (47.2 t)

7,700 lbs (3.5 t)

Front 43,650 lbs (19.8 t) | Rear 55,400 lbs (25.1 t) | GVW 99,050 lbs (44.9 t)

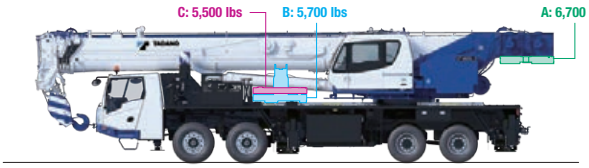
Base Machine
0 lbs C/W



Front 44,800 lbs (20.3 t) | Rear 45,100 lbs (20.5 t)

GVW 89,900 lbs (40.8 t)

GT-800XL-2



17,900 lbs (8.1 t)

Front 49,300 lbs (22.3 t) | Rear 57,500 lbs (26.1 t) | GVW 106,800 lbs (48.4 t)

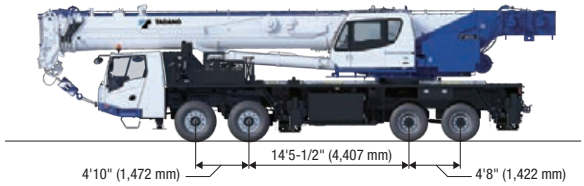
12,400 lbs (5.6 t)

Front 45.350 lbs (20.6 t) | Rear 55,950 lbs (25.3 t) | GVW 101,300 lbs (45.9 t)

6,700 lbs (3.0 t)

Front 41,250 lbs (18.7 t) | Rear 54,350 lbs (24.6 t) | GVW 95,600 lbs (43.3 t)

Base Machine
0 lbs C/W



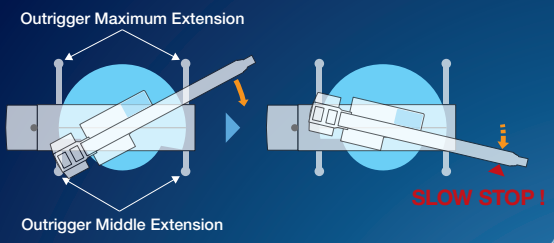
Front 41,850 lbs (19.0 t) | Rear 45,600 lbs (20.7 t)

GVW 87,450 lbs (39.7 t)

Equipped with Dolly (Trailer) Coupling Device

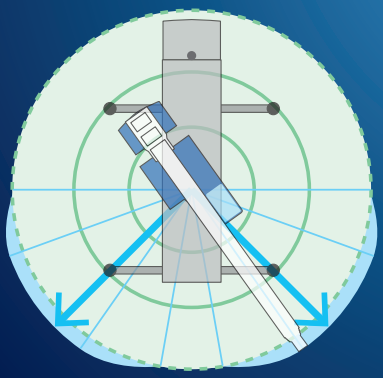
Asymmetric Outrigger Extension Width Control

When operating the crane with the asymmetric outriggers extended, the AML-E2 detects the extension width of all of the crane's outriggers (front, rear, left and right) to measure maximum work capacity in each area.
When slewing the boom from the longer outrigger area to the shorter outrigger area, the AML-E2 detects the motion and displays the maximum capacity according to the extension width of each of the outriggers, and brings the motion to a slow stop before it reaches the maximum capacity.
Regardless of operator awareness, the AML-E2's slow stop function will help to minimize any safety risk.



Smart Chart System

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



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

For GT-800XL-2

Load radius 135 ft → 145 ft

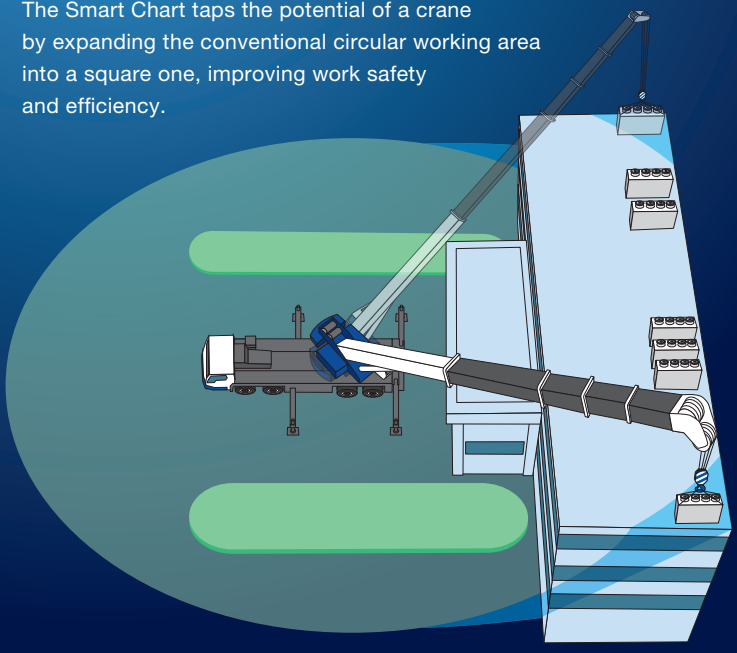
Approx. **7.4**% expansion

Load lifting capacity 1,600 lbs → 2,200 lbs

Approx. **37.5**% expansion

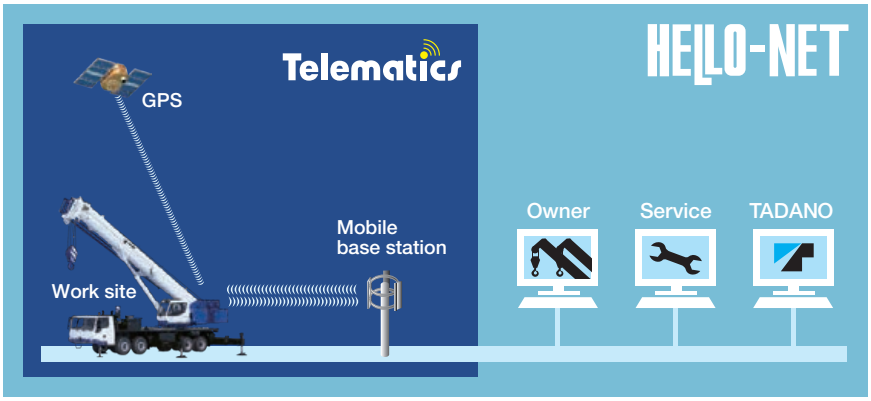
Under Maximum Outrigger Extension Setups

The Smart Chart taps the potential of a crane by expanding the conventional circular working area into a square one, improving work safety and efficiency.



HELLO-NET

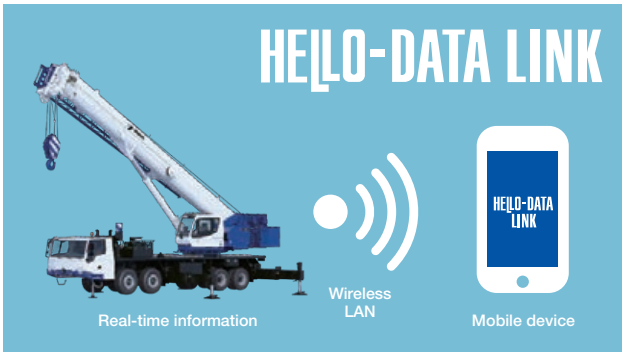
The HELLO-NET System is used to monitor crane activity straight from your computer or mobile device. You have the ability to view work history, machine position data and maintenance information. Telematics data is provided to customer via the HELLO-NET Owner's Site.



HELLO-DATA LINK

Smartphone App

HELLO-DATA LINK connects cranes to mobile devices by wireless LAN, allowing you to receive operating status, indications, error codes and other information in realtime from outside the cab.
HELLO-DATA LINK helps crane and site supervisors to monitor operating status and stay informed on repairs and maintenance.



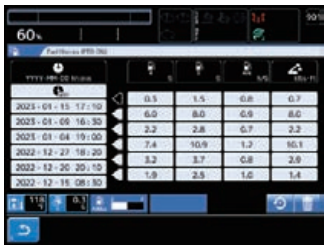
Reduce Fuel Consumption

TADANO GREEN SOLUTIONS

Fuel Monitoring

Fuel consumption monitoring allows an operator to minimize fuel waste from unnecessary acceleration and idling.

Preset menu display
(during crane operation)



Fuel consumption history display
(during crane operation)

Average fuel consumption

Fuel consumption during standby

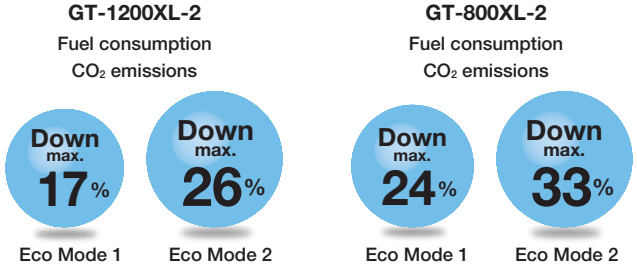
The average fuel consumption is shown when your crane is operated.
Fuel consumption during standby is automatically displayed when each control lever and pedal is in neutral position.

Positive Control System

Effectively controls the quantity of hydraulic pump discharge during crane operation in response to the amount of movement applied, and reduces CO_2 consumption.

Eco Mode System

The maximum engine speed during crane operation is controlled, reducing fuel consumption and CO_2 emissions. Noise is also reduced.



*Note: The above figures may differ depending upon conditions of use.

GT-1200XL-2

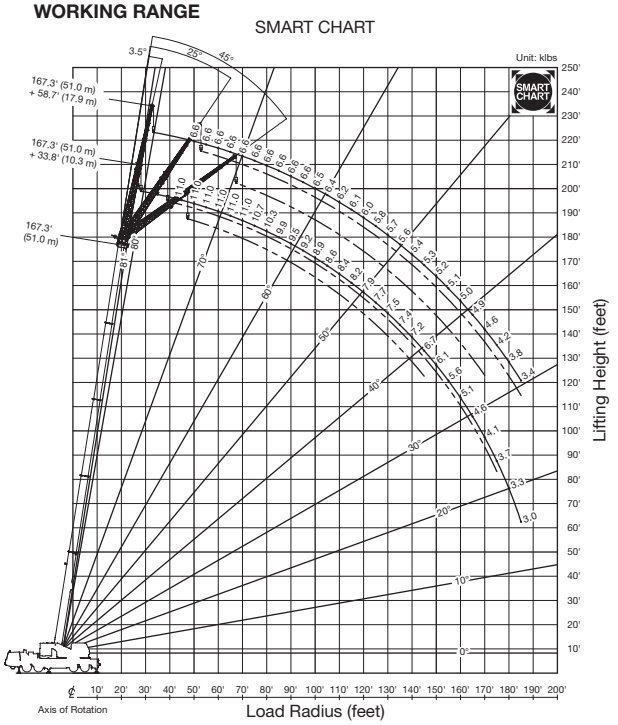
SPECIFICATIONS

MAXIMUM CAPACITY	242,500 lbs at 8 ft (120 US ton at 2.4 m)
BOOM	Five-section boom, single cylinder telescoping with pinning system.
Length	41.0'–167.3' (12.5–51.0 m)
Extension speed	126.3' in 280 s
Angle	-1.5°–80.5°
Elevation speed	20˚ to 60˚ in 40 s
JIB	Two-stage bi-fold lattice jib with triple offset. Single sheave, at the head of both jib sections.
Offset	3.5°, 25° or 45°
Length	33.8', 58.7' (10.3 m, 17.9 m)
WINCH	Variable speed type with grooved drum driven by hydraulic axial piston motor through speed reducer.
Max. single line pull	15,900 lbs (7,200 kg)
Single line speed	446 fpm (136 m/min) (at 4th layer)
Wire rope	
-Main winch	3/4" x 892' (19 mm x 272 m) (diameter x length)
-Auxiliary winch	3/4" x 482' (19 mm x 147 m) (diameter x length)
SLEWING	
Slewing speed	1.5 min^{-1} {rpm}
COUNTERWEIGHT	
Max. weight	55,100 lbs
Max. weight for traveling	17,900 lbs
HYDRAULIC SYSTEM	Pumps... 2 variable piston pumps for crane functions. Tandem gear pump for slewing and optional equipment. Control valves...Multiple valves actuated by pilot pressure with integral pressure relief valves. Oil cooler... Air cooled fan type.
Tadano Load Moment Indicator (AML-E2)	Following information is displayed: • Control lever lockout function with audible and visual pre-warning • Number of parts of line • Boom position indicator • Outrigger state indicator • Slewing angle • Boom angle / boom length / jib offset angle / jib length / load radius / rated lifting capacities / actual loads read out • Potential lifting height • Ratio of actual load moment to rated load moment indication • Automatic speed reduction and slow stop function on boom elevation and slewing • Working condition register switch • Load radius / boom angle / tip height / slewing range preset function • External warning lamp • Tare function • Main hydraulic oil pressure • Fuel consumption monitor • Main winch / auxiliary winch select • Drum rotation indicator (audible and visible type) main and auxiliary winch

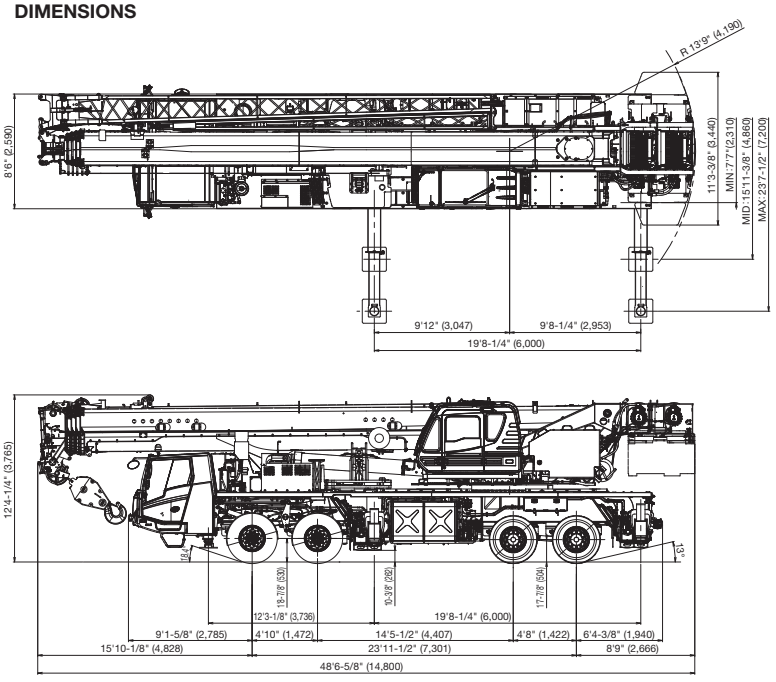
OUTRIGGERS	Four hydraulic, beam and jack outriggers. Hydraulically operated H-type outriggers. Vertical jack cylinders equipped with integral holding valve. Each outrigger beam and jack is controlled independently.
Extension widths	Max. ... 23' 7-1/2" (7.20 m), Mid. ... 15' 11 3/8" (4.86 m), Min. ... 7' 7" (2.31 m), Float size... 21 3/8" x 21 3/8" (0.54 m x 0.54 m)
FRONT JACK	A fifth hydraulically operated outrigger jack. Mounted to the front frame of carrier. Hydraulic cylinder equipped with integral holding valve and steel float.

CARRIER	Left-hand steering, 8 x 4.
PERFORMANCE	
Max. traveling speed	65 mph (105 km/h)
WEIGHT	
Gross vehicle mass	89,900 lbs (40,780 kg)
-Front	44,800 lbs (20,320 kg)
-Rear	45,100 lbs (20,460 kg)
ENGINE	Cummins X12 (EPA 2021) Type... 4-cycle, turbo charged and after cooled, direct injection diesel. Piston displacement ... 720 cu. In. (11.8 liters) Max. output... Gross 500 HP (373 kW) Max. torque... 1,700 ft-lb (2,305 Nm)
TRANSMISSION	ZF TraXon 12TX 2615 SO Automated manual transmission, electro-pneumatically operated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears.
STEERING	BOSCH-Servocom, dual circuit hydraulic and mechanical steering of both front axles. Transfer-mounted emergency steering pump.
SUSPENSION	Independent air suspension
TIRES	Front: 445/65R22.5 Single x4 Rear: 315/80R22.5 Dual x4
MIN. TURNING RADIUS	Front tire (curb to curb): 46' 3" (14.1 m)
FUEL TANK CAPACITY	100 gal. (378 lit.)

WORKING RANGE



DIMENSIONS



Note: Dimension is with boom angle at -0.4 degree.
( ) Reference dimensions in mm.

GT-800XL-2

SPECIFICATIONS

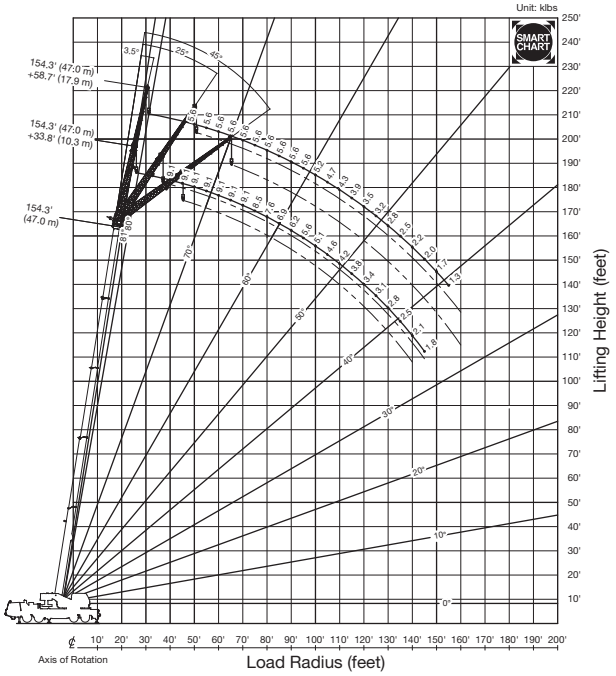
MAXIMUM CAPACITY	160,000 lbs at 8 ft (80 US ton at 2.4 m)
BOOM	Five-section full power synchronized telescoping boom.
Length	39.5'–154.3' (12.0–47.0 m)
Extension speed	114.8' in 142 s
Angle	-1.5°–80.5°
Elevation speed	20˚ to 60˚ in 46 s
JIB	Two-stage bi-fold lattice jib with triple offset.
	Single sheave, at the head of both jib sections.
Offset	3.5°, 25° or 45°
Length	33.8', 58.7' (10.3 m, 17.9 m)
WINCH	Variable speed type with grooved drum driven by hydraulic axial piston motor.
Max. single line pull	15,900 lbs (7,200 kg)
Single line speed	446 fpm (136 m/min) (at 4th layer)
Wire rope	
-Main winch	3/4" x 892' (19 mm x 272 m) (diameter x length)
-Auxiliary winch	3/4" x 482' (19 mm x 147 m) (diameter x length)
SLEWING	
Slewing speed	1.5 min^{-1} {rpm}
COUNTERWEIGHT	
Max. weight	17,900 lbs
Max. weight for traveling	17,900 lbs
HYDRAULIC SYSTEM	Pumps... 2 variable piston pumps for crane functions. Tandem gear pump for slewing and optional equipment. Control valves...Multiple valves actuated by pilot pressure with integral pressure relief valves. Oil cooler... Air cooled fan type. Following information is displayed:
Tadano Load Moment Indicator (AML-E2)	• Control lever lockout function with audible and visual pre-warning • Number of parts of line • Boom position indicator • Outrigger state indicator • Slewing angle • Boom angle / boom length / jib offset angle / jib length / load radius / rated lifting capacities / actual loads read out • Potential lifting height • Ratio of actual load moment to rated load moment indication • Automatic speed reduction and slow stop function on boom elevation and slewing • Working condition register switch • Load radius / boom angle / tip height / slewing range preset function • External warning lamp • Tare function • Main Hydraulic oil pressure • Fuel consumption monitor • Main winch / auxiliary winch select • Drum rotation indicator (audible and visible type) main and auxiliary winch

OUTRIGGERS	Four hydraulic, beam and jack outriggers. Hydraulically operated H-type outriggers. Vertical jack cylinders equipped with integral holding valve. Each outrigger beam and jack is controlled independently.
Extension widths	Max. ... 23' 7-1/2" (7.20 m), Mid. ... 15' 11 3/8" (4.86 m), Min. ... 7' 7" (2.31 m), Float size... 21 3/8" x 21 3/8" (0.54 m x 0.54 m)
FRONT JACK	A fifth hydraulically operated outrigger jack. Mounted to the front frame of carrier. Hydraulic cylinder equipped with integral holding valve and steel float.

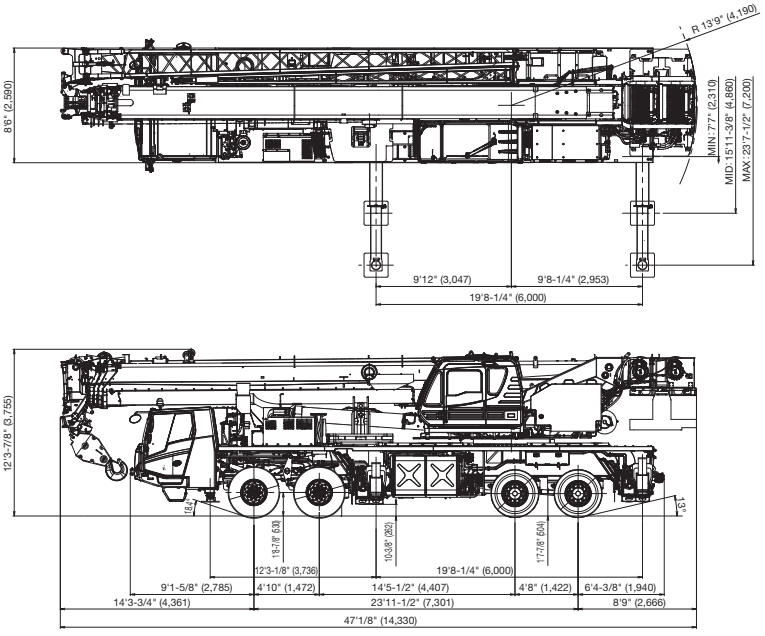
CARRIER	Left-hand steering, 8 x 4.
PERFORMANCE	
Max. traveling speed	65 mph (105 km/h)
WEIGHT	
Gross vehicle mass	87,450 lbs (39,660 kg)
-Front	41,850 lbs (18,985 kg)
-Rear	45,600 lbs (20,675 kg)
ENGINE	Cummins X12 (EPA 2021) Type... 4-cycle, turbo charged and after cooled, direct injection diesel. Piston displacement ... 720 cu. In. (11.8 liters) Max. output... Gross 500 HP (373 kW) Max. torque... 1,700 ft-lb (2,305 Nm)
TRANSMISSION	ZF TraXon 12TX 2615 SO Automated manual transmission, electro-pneumatically operated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears.
STEERING	BOSCH-Servocom, dual circuit hydraulic and mechanical steering of both front axles. Transfer-mounted emergency steering pump.
SUSPENSION	Independent air suspension
TIRES	Front: 445/65R22.5 Single x4 Rear: 315/80R22.5 Dual x4
MIN. TURNING RADIUS	Front tire (curb to curb): 46' 3" (14.1 m)
FUEL TANK CAPACITY	100 gal. (378 lit.)

WORKING RANGE

SMART CHART



DIMENSIONS



Note: Dimension is with boom angle at -0.4 degree.
( ) Reference dimensions in mm.

Note: Specifications are subject to change.

tadanoamericas.com

Tadano America Corporation
4242 West Greens Road, Houston, Texas 77066, U.S.A.
Phone: +1-281-869-0030
Parts Hotline: +1-713-865-1041 Service Hotline: +1-281-869-5925

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