

Photo: Optional model



TADANO LTD. (International Sales Division) 4-12, Kamezawa 2-chome, Sumida-ku Tokyo 130-0014, Japan Phone: +81-3-3621-7750 Fax: +81-3-3621-7785 www.tadano.com E-mail: info@tadano.com

GR-1000EX-4 100 METRIC TON



GR-1000EX-4

100 METRIC TON CAPACITY

GR-900EX-4 GR-700EX-4



Next-Generation RTs

In the making of products at Tadano, our number one priority is safety. These fully equipped cranes feature comfortable cab newly designed with an emphasis on stable operability for the operator.

Using Tadano's vaunted state-of-the-art control technology, we have safely enhanced functionality while also optimizing operational efficiency and minimizing environmental impact.

Backed by trust earned over many years,
Tadano's high levels of safety, quality, and efficiency adapt to the changing needs of your business.

Our next generation of cranes carries on this tradition.

Experience new rough terrain cranes which are the pride of Tadano!

Crane
Crane
New Super structure Frame
Winch Drum Camera
Winch Drum Camera
Catwalk for Easy Access to Cab
Tiltable Cab
Bi-Fold Jib
Assist Cylinder for Jib
Two Telescoping Modes 1 & 2
Two Winches with Cable Follower
Optimally-Designed Cab
Automatic Moment Limiter [AML-E]
Large Multi-Function Display
Smart Counterweight
Smart Chart System

Travel Speed
High Performance Engine
New Carrier Frame
Improved Accessibility to Cab
Axle
4 Steering Modes
ashboard Indicator and Warning Symbols
Reduced Fuel Consumption
HELLO-NET

WORKING RANGE & DIMENSIONS 15
Standard Equipment

GR-1000EX-4

New 100 t lifting capacity and class-leading 51 m long boom create new demand by expanding the range of work.

Crane capacity: 100 metric ton 5-section boom: 51.0 m 2-staged bi-fold jib: 10.1 m / 17.7 m Overall length: approx. 15,185 mm Overall width: approx. 3,315 mm Overall height: approx. 3,805 mm



GR-900EX-4

New 90 t lifting capacity model was developed to be a highly competitive product.

Crane capacity: 90 metric ton 5-section boom: 47.0 m 2-staged bi-fold jib: 10.1 m / 17.7 m Overall length: approx. 14,375 mm Overall width: approx. 3,315 mm Overall height: approx. 3,805 mm



A class-leading 47 m long boom with 70 t lifting capacity will create new kinds of demand.

Crane capacity: 70 metric ton 5-section boom: 47.0 m 2-staged bi-fold jib: 10.1 m / 17.7 m Overall length: approx. 14,375 mm Overall width: approx. 3,315 mm Overall height: approx. 3,820 mm



Photo: Optional mo

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Bi-Fold Jib

A two-stage, bi-fold lattice-type jib can be offset at 3.5°, 25°, and 45° to enable the crane to carry out jobs that require extra reaching ability.

Assist Cylinder for Jib

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







Two Telescoping Modes 1 & 2

The operator has enhanced capabilities with two boom telescoping options whichever suits the lift needs.



Mode 1

Mode 1 is extension of 2nd section only.
Then follows the synchronized extension of 3rd,
4th and 5th sections.



Mode 2

Mode 2 is synchronized extension of 3rd, 4th and 5th sections.
Then 2nd section extends independently.

Two Winches with Cable Follower

Both the main winch and the auxiliary winch have powerful line pull and operate at high speeds thus enhancing work efficiency.

*Maximum permissible line pull may be affected by wire rope strength.



GR-1000EX-4

Crane capacity: 100 metric ton 5-section boom: 51.0 m 2-staged bi-fold jib: 10.1 m / 17.7 m

3.5°

25°

10.1 m / 17.7 m

45°

Maximum lifting height: 50.6 m [Boom] 68.3 m [Jib] Maximum load radius:

44.0 m [Boom] 54.0 m [Jib]



Maximum extension 7.3 m

GR-900EX-4

Crane capacity: 90 metric ton 5-section boom: 47.0 m 2-staged bi-fold jib: 10.1 m / 17.7 m

3.5°

25°

10.1 m / 17.7 m

12.8 m-51.0 m

Maximum lifting height: 47.1 m [Boom] 64.4 m [Jib]

Maximum load radius: 42.0 m [Boom] 52.0 m [Jib]

GR-700EX-4

Crane capacity: 70 metric ton 5-section boom: 47.0 m 2-staged bi-fold jib: 10.1 m / 17.7 m

3.5°

25°

10.1 m / 17.7 m

12.0 m-47.0 m

Maximum lifting height: 47.1 m [Boom] 64.4 m [Jib] Maximum load radius: 40.0 m [Boom]

48.0 m [Jib]

Minimum extension 2.7 m
Middle extension 5.5 m
Middle extension 6.7 m
Maximum extension 7.3 m



Minimum extension 2.7 m
Middle extension 5.5 m
Middle extension 6.7 m
Maximum extension 7.3 m



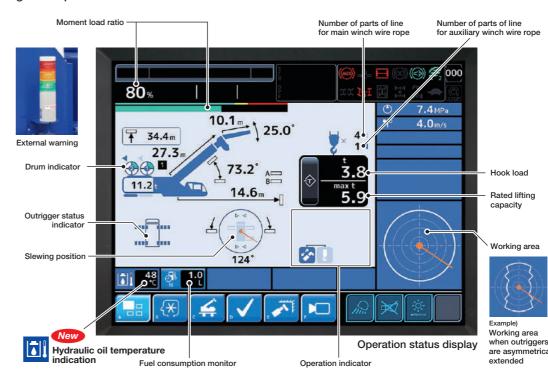
12.0 m-47.0 m



Automatic Moment Limiter [AML-E]

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.









Seat Adjustment

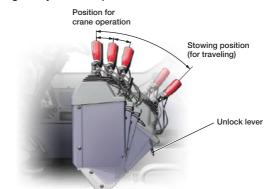
Multiple seat adjustment positions for ease of operation.



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.





Multi-Function Display Operation Switch

Convenient hand controls are also available for when operating the touchscreen is difficult (for instance when the seat is sliding back).

Safety Control for Boom Raising Operation

Prevent overload using boom raising operation for lifting a load off the ground. *Release switch available for emergency 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





Smart Counterweight

GR-1000EX-4

Uses the new Smart Counterweight System

These are the first rough terrain cranes with Tadano's Smart Counterweight system, which allows the counterweight to be moved between two mounting positions. This feature improves lifting capacity by up to 20%.

Smart Counterweight 1(Front position)



Smart Counterweight 2(Rear position)



Hoist the counterweight and set it in either the front or rear position.





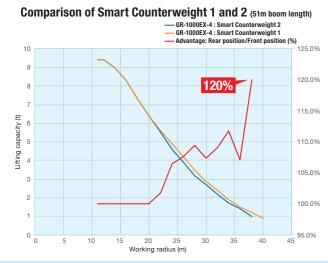
Slew the crane 180° and fully extend the counterweight cylinder. Connect the weight with the slewing table and retract the cylinder, fixing it in place.

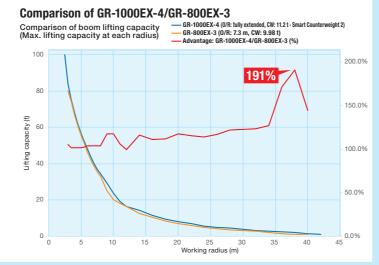




Tail Swing: 4,190 mm

Tail Swing: 4,790 mm

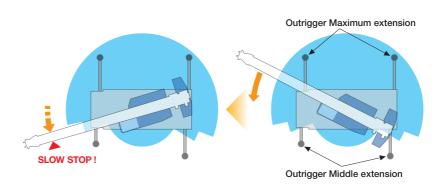


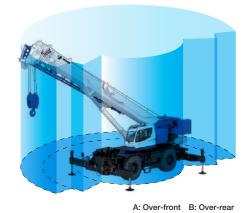


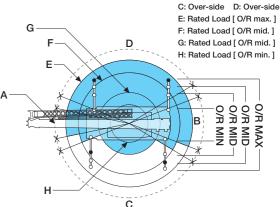
Asymmetric Outrigger Extension Width Control

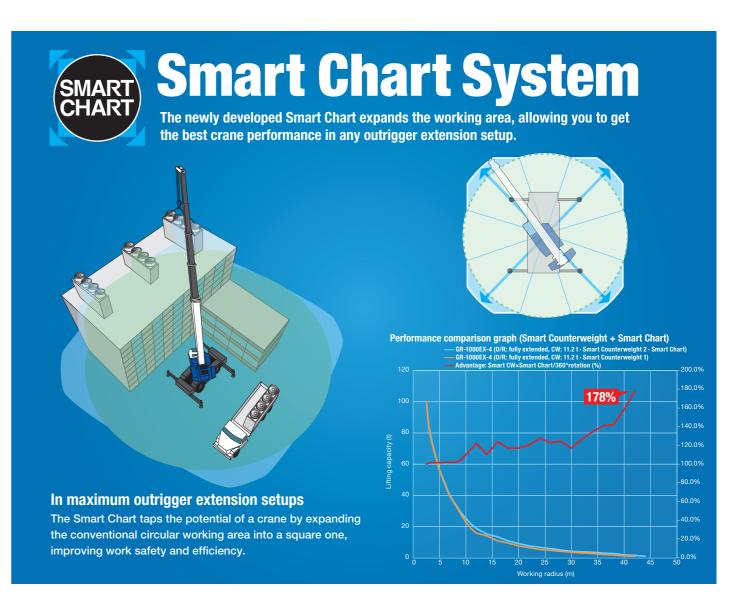
When operating the crane with the asymmetric outriggers extended, the AML-E detects the extension width of all of the crane's outriggers (front, rear, left and right) to measure maximum work capacity in each area. When slewing the boom from the longer outrigger area to the shorter outrigger area, the AML-E 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.

The AML-E's slow stop function will help to minimize any safety risks even in the cases of operator error.









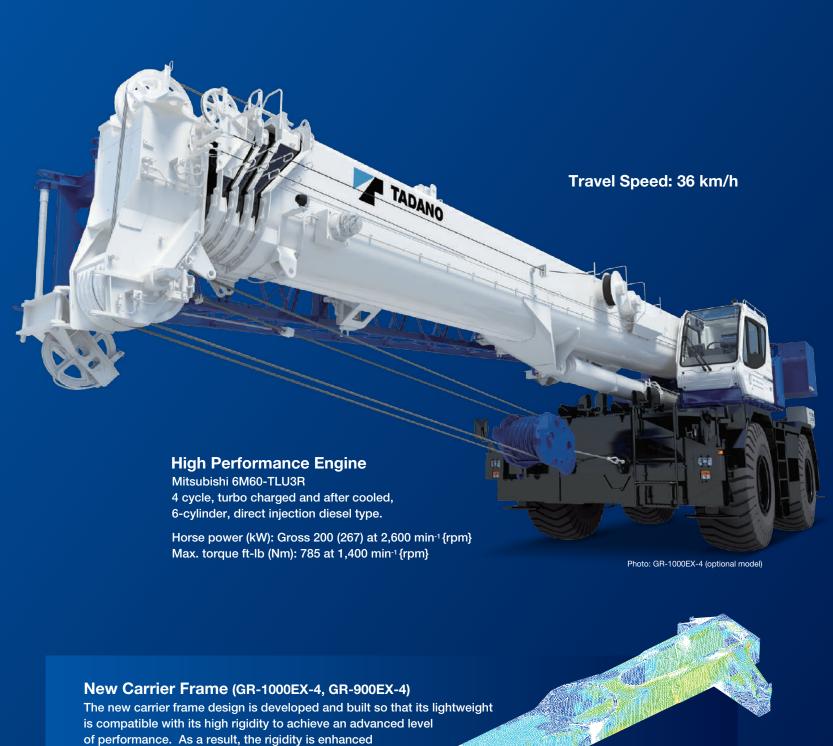
Carrier

The GR-1000EX-4, GR-900EX-4 and GR-700EX-4 has a compact width/height 2-axle carrier which offers improved maneuverability and reduced footprint for ease of transportation.

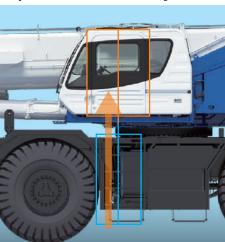
and leads highly stabilized maneuverability

*Compared with our conventional crane models

for the new model of crane.



Improved Accessibility to Cab



Axle

Front: Full floating type, steering and driving axle with planetary reduction.

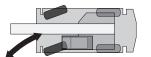
Rear: Full floating type, steering and driving axle with planetary reduction and non-spin rear differential.



Photo: GR-1000EX-4 (optional model)

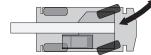
4 Steering Modes

Hydraulic power steering controlled by steering wheel.



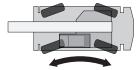
2 wheel front

Front steering only. This steering method is the same as that of general



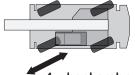
2 wheel rear

Rear steering only. The rear end of the vehicle swings outward like a forklift. Useful for easy approach of a narrow area.

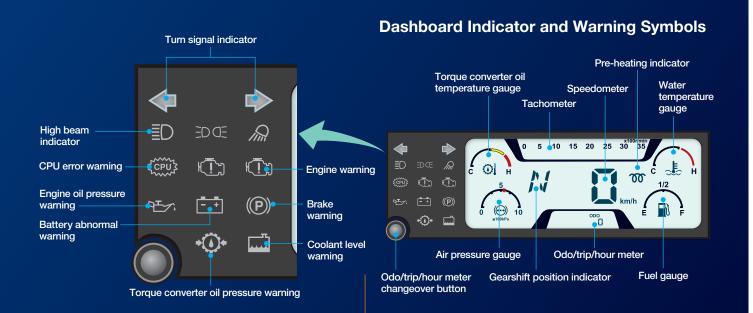


4 wheel coordinated

Front and rear wheels are steered in opposite directions. The turning radius is decreased. Useful for movement in a small area.



Front and rear wheels are steered in the same direction. The vehicle can move diagonally. Useful for pulling over.





Air conditioner control panel

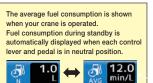
Transmission shiftswitch

Cup holder

Reduced Fuel Consumption

Fuel Monitoring

Checking fuel consumption enables an operator to prevent wasteful fuel consumption from unnecessary acceleration and idling.



Average fue







Fuel consumption CO₂ emissions

(during crane operation)

Positive Control System

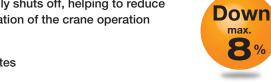
Effectively controls the quantity of hydraulic pump discharge during crane operation in response to the amount of movement applied, and reduces CO₂ consumption.

Eco Mode System

Controls the maximum engine speed at the time of crane operation and enables fuel consumption and CO₂ emission to decrease by Max. 23% with Eco mode 1, and Max. 37% with Eco mode 2, and noise level is reduced.

Automatic Pump Disconnect

When the automatic pump disconnect switch is set to ON and the crane is not in use for a duration of time, the crane's hydraulic pump automatically shuts off, helping to reduce fuel consumption. Three settings are available for the duration of the crane operation standby before the pump shuts off: MIN, MID and MAX.



MIN: 1 minute MID: 3 minutes MAX: 5 minutes

HELLO-NET

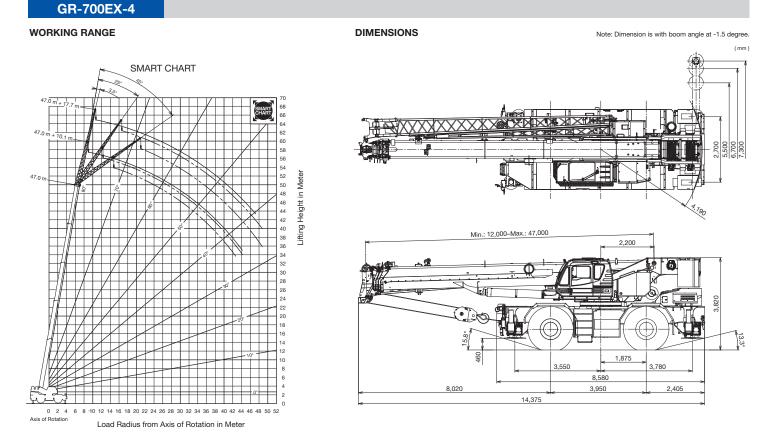
HELLO-NET is a tool that connects the crane operations with owners, their service staff and the manufacturer through satellite. This high quality telematic tool collects data of the crane including working history, maintenance data and machine location. HELLO-NET can be accessed by the manufacturer to assist with downtime and to help improve Tadano support services.

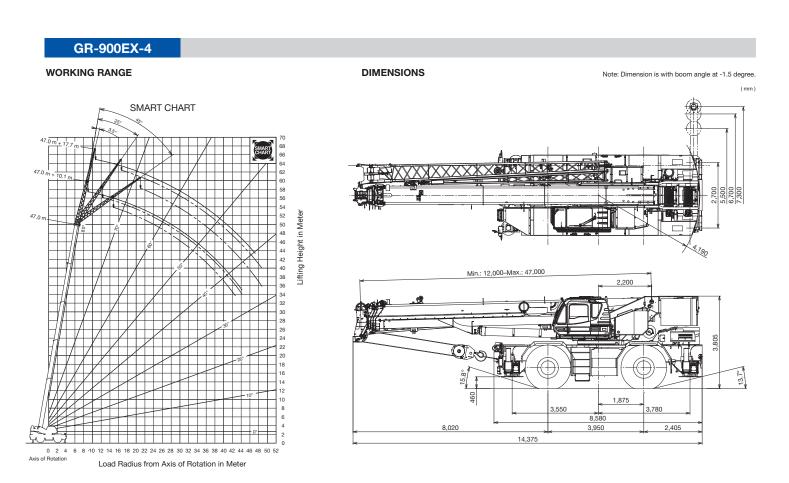


Telematics (machine data logging and monitoring system) with HELLO-NET via internet (*availability depends on the situation). DETAILS: The availability of data communication systems, such as satellite or mobile communications which serve to widen the service area differs according to individual countries. Besides, there are some countries where the system itself is not in use yet. For details, please contact your distributor or our sales staff in charge

WORKING RANGE & DIMENSIONS

Load Radius from Axis of Rotation in Meter







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