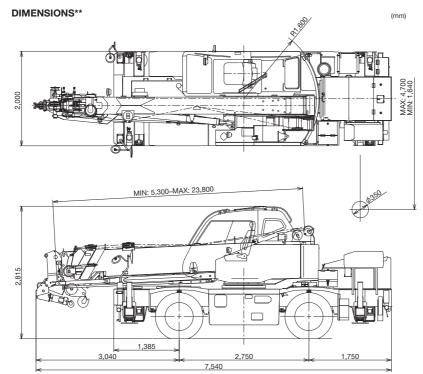
#### **MODEL: GR-150XL**

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SPECIFICATIONS					
MAXIMUM CAPACITY	13,600 kg at 1.52 m				
PERFORMANCE					
Max. traveling speed	49 km/h				
Gradeability ( $\tan \theta$ )	53% (at stall), 30%*				
, , , ,	* Machine should be operated within limit of engine				
	crackcase design. (30°: Mitsubishi 4M50-TLC1B/TLE3A)				
WEIGHT					
Gross vehicle mass	13,960 kg (incl. 1.8 ton hook block)				
-front axle	6,890 kg				
-rear axle	7.070 kg				
MIN. TURNING RADIUS	6.5 m (2-wheel steering), 3.8 m (4-wheel steering)				
	(at center of extreme outer tire)				
воом	6-section full power partially synchronized				
	telescoping boom.				
Fully retracted length	5.3 m				
Fully extended length	23.8 m				
Extension speed	18.5 m in 52 s				
Angle	-3°-82°				
Elevation speed	-3° to 82° in 29 s				
JIB	2-staged, slung under boom with quadruple offset.				
I SID	Single sheave at jib head.				
Offset	5°, 25°, 45°, 60°				
Length	3.6 m and 5.5 m				
MAIN WINCH	Variable speed type with grooved drum driven by				
IVIAIN WINCH	hydraulic axial piston motor.				
Single line pull	17.6 kN {1,800 kgf}				
Single line speed	125 m/min. (at 5th layer)				
Wire rope AUXILIARY WINCH	11.2 mm x 137 m (Diameter x length)  Variable speed type with grooved drum driven by				
AUXILIARY WINCH					
0	hydraulic axial piston motor.				
Single line pull	17.6 kN {1,800 kgf}				
Single line speed	110 m/min. (at 3rd layer)				
Wire rope	11.2 mm x 66 m (Diameter x length)				
SLEWING					
Slewing speed	2.4 min <sup>-1</sup> {rpm}				
Tail slewing radius	1,600 mm				
HYDRAULIC SYSTEM	Pumps 2 variable piston pumps for crane functions.				
	Tandem gear pump for steering, slewing				
	and optional equipment.				
	Control valves				
	Multiple valves actuated by pilot pressure				
	with integral pressure relief valves.				
	Reservoir 172 liters capacity. External sight level				
	gauge.				
	Oil cooler Air cooled fan type.				

TADANO Load	Following information is displayed:			
Moment Indicator	Control lever lockout function with audible and			
(TADANO AML-C)	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 • Permissible load			
	Automatic speed reduction and slow stop function			
	for boom elevation and slewing			
	Working condition register switch			
	Load radius / boom angle / tip height / slewing			
	range preset function			
	• External warning lamp			
	Tare function			
	Fuel consumption monitor     Drum retetion indicator (audible and visible type)			
	Drum rotation indicator (audible and visible type) main and auxiliary winch      On-rubber indicator			
OUTRIGGERS	4 hydraulic, beam and jack outriggers. Vertical jack			
OUTRIGGERS	cylinders equipped with integral holding valve. Each			
	outrigger beam and jack is controlled independently			
	from cab.			
Extension width	Max 4,700 mm, Mid 4,300 mm, 3,500 mm, 2,500mm			
Extension width	Min 1,640 mm, Float size (Diameter) 350 mm			
CARRIER	Rear engine, right-hand drive, driving axle 2-way			
	selected type by manual switch.			
	4 x 2 front drive, 4 x 4 front and rear drive.			
ENGINE	Model Mitsubishi 4M50-TLC1B			
	4M50-TLE3A			
	Type 4-cycle, turbo charged and after cooled,			
	direct injection diesel.			
	Piston displacement 4.90 liters			
	Bore x stroke 114 mm x 120 mm			
	Max. output 129 kW at 2,700 min <sup>-1</sup> {rpm}			
	Max. torque 529 N·m at 1,600 min <sup>-1</sup> {rpm}			
TRANSMISSION	Electronically controlled full automatic transmission.			
STEERING	Hydraulic power steering controlled by steering wheel.			
	4 steering modes available: 2 wheel front, 2 wheel			
OLIODENIOIONI	rear, 4 wheel coordinated and 4 wheel crab.			
SUSPENSION	Front: Semi-elliptic leaf springs with hydraulic lockout device.			
TIDEC	Rear: Semi-elliptic leaf springs with hydraulic lockout device.			
TIRES	275/80R22.5			
FUEL TANK CAPACITY	189 liters			

# **WORKING RANGE** Load radius (m)



\*\*In this external views, a few equipment are included.

NOTE: Some specifications are subject to change.



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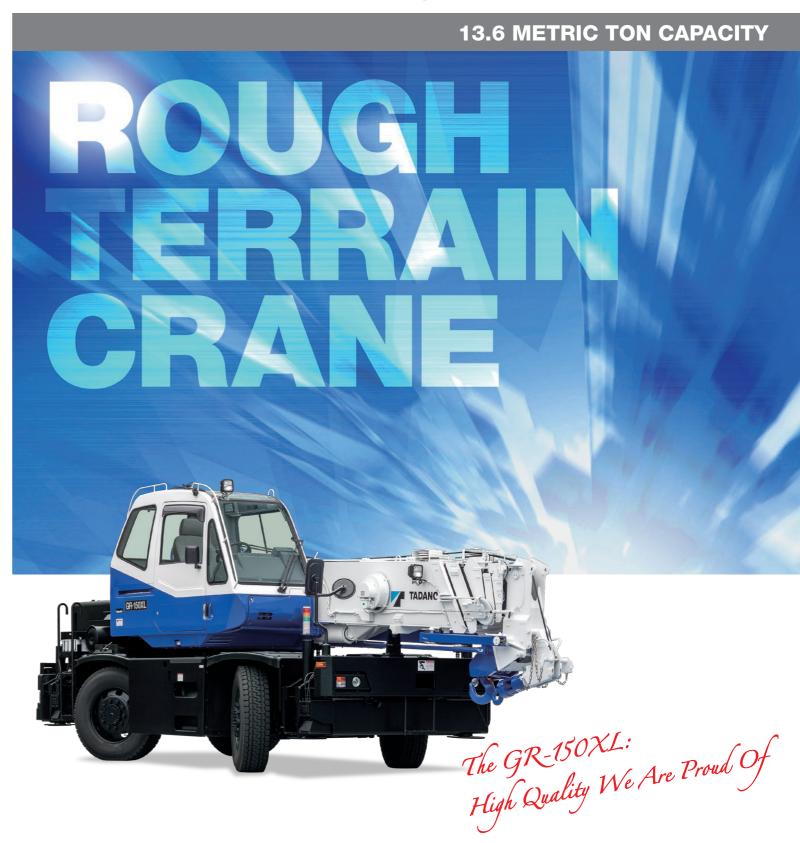




Lifting your dreams

**ROUGH TERRAIN CRANE** 

# **GR-150XL**



# Little Crane, Big Power.

An attractive feature of this grame is its small size. It also has high lifting capacity and the longest boom in its class

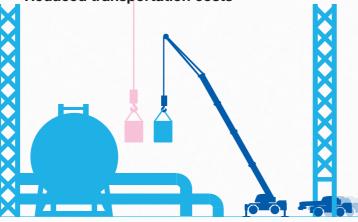


# **ROUGH TERRAIN CRANE GR-150XL**

#### Benefits of the GR-150XL

A compact and highly maneuverable design enables operators to complete jobs more efficiently compared to other bulkier alternative models.

- · Easy approach to tight or busy job sites
- · Quick Setup
- · Asymmetrical outriggers offer maximum work value
- Reduced transportation costs



**ROUGH TERRAIN CRANE GR-150XL** 

# Carrier

Substantial safety devices allow excellent operability.

#### Unobstructed view when driving

Down-slanted boom improves front and side views. A front view monitor and camera also improve driver visibility.







Front Camera

#### Suspension

Semi-elliptic leaf springs with hydraulic lockout device.

## **Fast Traveling Speed**

Max. Traveling Speed: 49 km/h

#### **High Performance Engine**



4 cycle, turbo-charged and after cooled. Max. Output: 129 kW at 2,700 min-1 {rpm} Max. Torque: 529 N·m at 1,600 min<sup>-1</sup> {rpm}

#### **Hook Block Storage**

Hook block stowing system enhances work efficiency.





### **Highly Maneuverability**

The compact carrier can smoothly maneuver in narrow spaces.

Overall Length: approx. 7,540 mm Overall Width: approx. 2,000 mm Overall Height: approx. 2,815 mm

Min. Turning Radius\*: 3.8 m (4-wheel steering)

6.5 m (2-wheel steering)

\*With 275/80R22.5 Tires

#### New design head lamp

New head lamp design. Halogen head lamps are equipped.





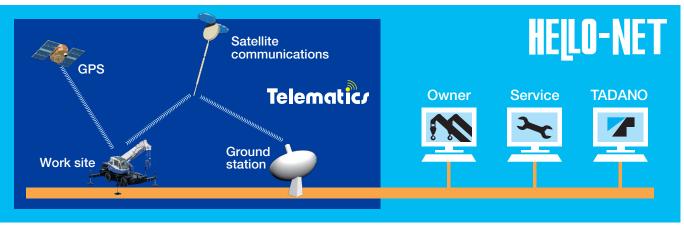


1 GR-150XL GR-150XL 2



# HELLO-NET New

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.



Note: HELLO-NET availability varies by situation. For detail, please contact your distributor or our sales staff in charge.



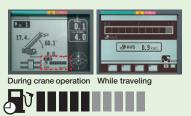
#### **Eco Mode System**

The system reduces fuel consumption and CO2 emissions while the crane is in operation.



#### **Fuel Monitoring System**

The system constantly monitors fuel consumption on the AML screen.



## **Load Moment Indicator [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.

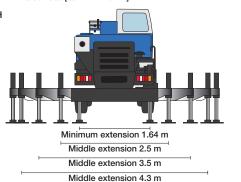
These features allow the AML-C to move seamlessly through all lifting operations without having to change configurations or input new code to make the lift. The AML-C safety features provide both audible and visual warnings. When an operation approaches the load limit Tadano's slow stop function engages to avoid shock loads.

#### **Outrigger Asymmetric Extension Width Control**

When operating the crane with the asymmetric outriggers extended, the AML-C 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-C 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.

O/R MID -The AML-C's slow stop function will help to minimize O/R MID any safety risks even in the cases of operator error. O/R MID O/R MAX

A: Over-front B: Over-rear C: Over-side D: Over-side E: Rated Load [O/R max. 4.7 m] F: Rated Load [O/R mid. 4.3 m] G: Rated Load [O/R mid. 3.5 m] H: Rated Load [O/R mid. 2.5 m]



Maximum extension 4.7 m

3 GR-150XL GR-150XL 4