

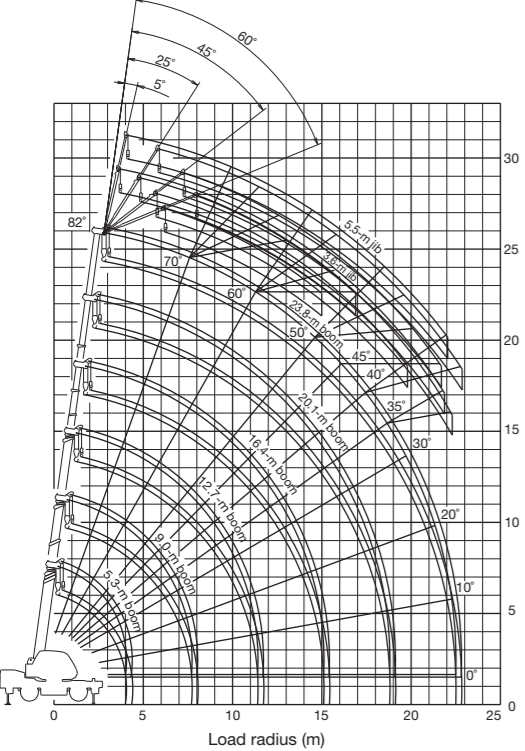
MODEL: GR-130EX

SPECIFICATIONS

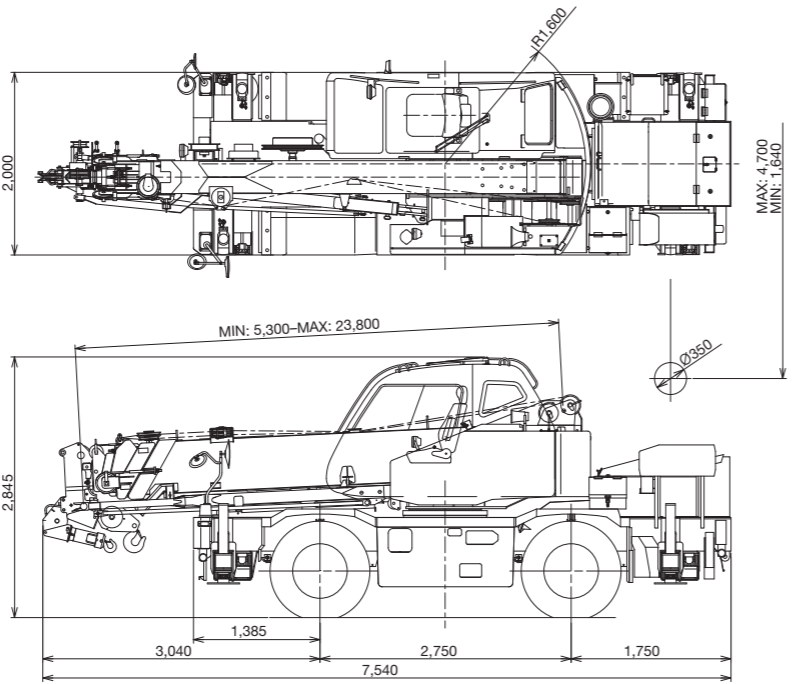
MAXIMUM CAPACITY PERFORMANCE	13,000 kg at 1.5 m
Max. traveling speed	52 km/h
Gradeability (tan θ )	50% (at stall), 30%*
	* Machine should be operated within limit of engine crackcase design. (30°: Mitsubishi 4M50-TLA3B)
WEIGHT	
Gross vehicle mass	13,880 kg (incl. 1.8 ton hook block)
-front axle	6,960 kg
-rear axle	6,920 kg
MIN. TURNING RADIUS	7.6 m (2-wheel steering), 4.4 m (4-wheel steering) (at center of extreme outer tire)
BOOM	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 under slung boom extension; Single sheave at jib head.
Offset	5°-60° (by tilt cylinder)
Length	3.6 m and 5.5 m
MAIN WINCH	Variable speed type with grooved drum driven by hydraulic axial piston motor.
Single line pull	17.6 kN {1,800 kgf}
Single line speed	125 m/min. (at 5th layer)
Wire rope	11.2 mm x 137 m (Diameter x length)
AUXILIARY WINCH	Variable speed type with grooved drum driven by 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...	Control valves...
Multiple valves actuated by pilot pressure with integral pressure relief valves.	Multiple valves actuated by pilot pressure with integral pressure relief valves.
Reservoir... 172 liters capacity. External sight level gauge.	Reservoir... 172 liters capacity. External sight level gauge.
Oil cooler... Air cooled fan type.	Oil cooler... Air cooled fan type.

TADANO Automatic Moment Limiter (TADANO AML-C)	Following information is displayed: <ul style="list-style-type: none"><li>• Control lever lockout function with audible and visual pre-warning</li><li>• Number of parts of line</li><li>• Boom position indicator</li><li>• Outrigger state indicator</li><li>• Slewing angle</li><li>• Boom angle / boom length / jib offset angle / jib length / load radius / rated lifting capacities / actual loads read out</li><li>• Potential lifting height</li><li>• Ratio of actual load moment to rated load moment indication</li><li>• Permissible load</li><li>• Automatic speed reduction and slow stop function for boom elevation and slewing</li><li>• Working condition register switch</li><li>• Load radius / boom angle / tip height / slewing range preset function</li><li>• External warning lamp</li><li>• Tare function</li><li>• Main hydraulic oil pressure</li><li>• Fuel consumption monitor</li><li>• Drum rotation indicator (audible and visible type) main and auxiliary winch</li><li>• On-rubber indicator</li></ul>
OUTRIGGERS	4 hydraulic, beam and jack outriggers. Vertical jack 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 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-TLU3B [EUROMOT Stage IIIA] 4M50-TLA3B [EPA Tier3] 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, 4-wheel coordinated, 4-wheel coordinated and 4 wheel crab
SUSPENSION	Front: Semi-elliptic leaf springs with hydraulic lockout device. Rear : Semi-elliptic leaf springs with hydraulic lockout device.
TIRES	315/80R22.5 (OR)
FUEL TANK CAPACITY	189 liters

WORKING RANGE



DIMENSIONS



Note: In this external views, a few equipment are included.

Note: Some specifications are subject to change.



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GR-130EX(AU)-2-E-17-2-01-63-533-A  
Printed in Japan



Lifting your dreams

ROUGH TERRAIN CRANE

GR-130EX

13 METRIC TON CAPACITY



ROUGH  
TERRAIN  
CRANE



The GR-130EX:  
High Quality We Are Proud Of

# New 13 metric ton crane specially designed for Australia!!

The GR-130EX is designed to comply with Australian traffic regulations and is fully manufactured in Japan.



## ROUGH TERRAIN CRANE GR-130EX

### Benefits of the GR-130EX

- Designed to comply with Australian traffic regulations
- Fully manufactured in Japan
- Can easily approach tight spaces and set up quickly
- Jib tilt angle is adjustable with newly equipped jib tilt cylinder.
- More open view from the cab and a front monitor contribute to safer driving conditions

**Carrier**

Substantial safety devices allow excellent operability

#### Unobstructed view when driving

Down-slanted boom make clear front and side views and a front view monitor help your safety driving.



Front view monitor



Front Camera

#### Hook block stowing system

Hook block stowing system enhances work safety and efficiency.



#### Power stowing mirror

Rearview mirrors mounted on right and left at front of the vehicle are extended/stowed with switch in the cab.



#### Discharge head lamp

Newly equipped projector type HID lamp improves night time visibility



Overall Length: approx. 7,540 mm

Overall Width: approx. 2,000 mm

Overall Height: approx. 2,845 mm

Tire: 315/80R22.5

Min. Turning Radius:  
4.4 m (4-wheel steering)  
7.6 m (2-wheel steering)



# Crane



**New**  
**Hydraulic offset jib**  
Hydraulic offset jib can be adjusted between 5° to 60° with the jib tilt cylinder.

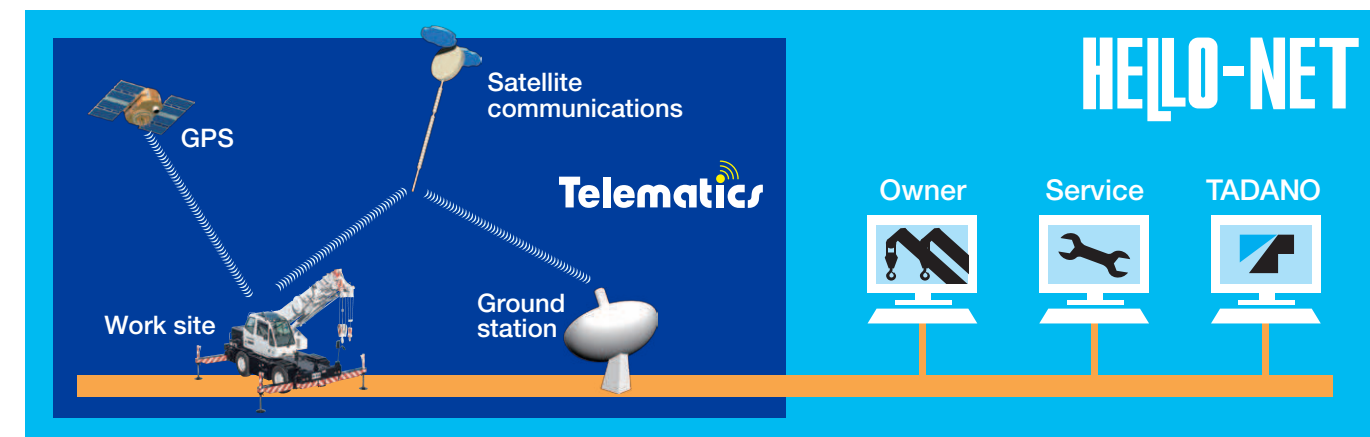
**Crane Capacity: 13,000 kg at 1.5 m**  
**6-Section Long Boom:**  
5.3 m – 23.8 m  
**2-Stage Jib: 3.6 m / 5.5 m**  
**Maximum Lifting Height:**  
24.5 m (Boom)  
30.0 m (Jib)  
**Maximum Load Radius:**  
22.5 m (Boom)  
23.2 m (Jib)

**Under-Slung Jib**  
A two-stage, under slung jib makes installation in narrow space possible.

**Operator Comfort**  
The crane cab provides improved livability and a more comfortable working environment.

## HELLO-NET New

It is a crane management system available to be used via the Internet that is capable of taking a grip on crane operating conditions, a machine location and so forth in a timely manner which serve to widen the service area differs according to individual countries.



## Environmentally Friendly Features

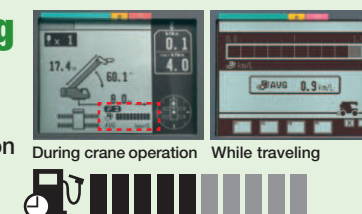
### Eco Mode System

The system reduces fuel consumption and CO<sub>2</sub> emissions while the crane is in operation.



### Fuel Monitoring System

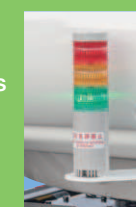
The system constantly monitors fuel consumption on the AML screen.



## 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.



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

