



Introducing TADANO's Largest Rough Terrain Crane!

ROUGH TERRAIN CRANE
GR-1600XL/GR-1450EX



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Today TADANO is launching worldwide, the largest class Rough Terrain Crane currently in the marketplace. The new crane boasts 160 US tons (145 metric ton), a newly designed 6-section rounded boom, the longest length of 200 feet (61m) in its class, with a single telescoping cylinder.

The type GR-1600XL-2 will be sold for the North and South American markets and type GR-1450EX-2 for other markets.



1. Product Concept

Outside of the Japan market, specifically the Energy related sector in North America and Middle East and Mining sites in South America and Australia, our customers require mobile cranes that have larger lifting capacities and longer boom length. This is primarily stemming from the facilities which customers need to load in their jobsite becomes larger gradually due to continuous growth of scale for both the energy sector and mining sites. With these jobsites in mind, especially the energy sector, the need for a crane that can work smoothly while maneuvering through tight spaces is essential. Additionally, our customers request and expect high quality, durable products with low cost, as well as being conscience of environmental issues related to machine operations. Listening to our customer demands, TADANO introduces one of the highest lifting capacity Rough Terrain Cranes in the world with a compact 3-axle carrier. This machine has everything you'd expect from TADANO including eco-friendly and fuel-saving functions, the highest standard of safety, and efficient operating systems.

2. Primary Features and Benefits

1) The largest class lifting capacities in Rough Terrain Cranes

The 160 US ton (145 metric ton) capacity of the GR-1600XL-2 surpasses TADANO's current largest capacity of 100 US ton. Features include a 6-section, innovatively designed round boom, which is the longest in its class, as well as a lengthy 200 feet (61m) and max. 201 feet lifting height/185 feet load radius with a single telescopic cylinder. Extra reach is provided by a 2-stage bi-fold lattice hydraulic tilt type jib which extends 257 feet with a load radius reaching 220 feet.

2) Compact Carrier

The GR-1600XL-2 has a 3-axle, compact carrier similar in width and height to TADANO's GR-1000XL-2, and includes improved maneuverability and the ability to navigate smaller spaces for transportation. In addition, the cab tilt system design improves visibility for high-reaching operations.

3) Self-removable counterweight & outrigger

The GR-1600XL comes with a self-removable counterweight and outrigger. This feature is more cost-effective and provides ease of transport without requiring an assist crane.

4) Environmentally conscious crane

Newly developed technologies were designed to minimize environmental impact. The GR-1600XL comes equipped with TADANO's state-of-the-art fuel monitoring system, "Eco-mode" which reduces fuel consumption when the crane is being operated, and "Positive control" which reduces fuel consumption when the crane is on standby.

5) HELLO-NET

HELLO-NET is a standard feature used to support our customers' efficient crane operations straight from your computer or mobile device. The customer can monitor their crane activity, work history, machine position data, and maintenance information. TADANO offers advanced customer support with the HELLO-NET system.

3. Selling Date: August 2013

4. Main Specification

Specification for Crane

	GR-1600XL-2 (Type for American markets)	GR-1450EX-2
Max. Lifting Capacity	160US t x 8ft	145t x 2.5m
Max. Lifting Height	(Boom) 201.1ft	61.3m
	(Boom + Jib) 256.9ft	78.3m
Max. Working Radius	(Boom) 185ft	56.0m
	(Boom + Jib) 220ft	64.9m
Boom Length	42.8ft~ 200.0ft	13.1m~ 61.0m
Jib Length	33.8ft/59.1ft	10.3m/18.0m
Max. Counter Weight	64,600lbs	29.3 ton

Specification for Carrier (GR-1600XL-2, GR-1450EX-2)

Engine Model	Mitsubishi 6M60
Max. Output	200Kw (267PS) @ 2,600 min ⁻¹
Overall Length	Approx. 16,190mm
Overall Carrier Length	Approx. 10,155mm
Overall Width	Approx. 3,315mm
Overall Height	Approx. 3,785mm