

Tadano's Wide Product Range for Every Purpose

TRUCK CRANES

TG



Max. lifting capacity 40 tons - 90 tons

TL



Max. lifting capacity 16 tons - 30 tons

TS



Max. lifting capacity 7 tons - 15 tons

ROUGH TERRAIN CRANES

TR



Max. lifting capacity 20 tons - 50 tons

ALL TERRAIN CRANE

AR



Max. lifting capacity 25 tons

WRECKER CRANE

TW



Max. lifting capacity 10 tons

TRUCK LOADER CRANES

TM



Max. lifting capacity 1 ton - 6 tons

SELFLOADERS

SL



Payload 10 tons

SS



Payload 2 tons - 3 tons

"SKYBOY" AERIAL PLATFORMS

AT



Max. floor height 8m - 18.5m

AW



Max. floor height 13m - 25m

Tadano offer a wide variety of hydraulic cranes, ranging from versatile truck loader cranes to large, powerful truck-mounted cranes. There are the TG, TL, and TS series truck cranes, the TR series rough terrain cranes, the AR series all terrain crane, the TW series wrecker crane, the TM series truck loader cranes, the SL and SS series selfloaders, and the AT and AW series "SKYBOY" aerial platforms.

Note: Continuing technical development requires Tadano to retain the right to make specification, equipment and price changes without notice.

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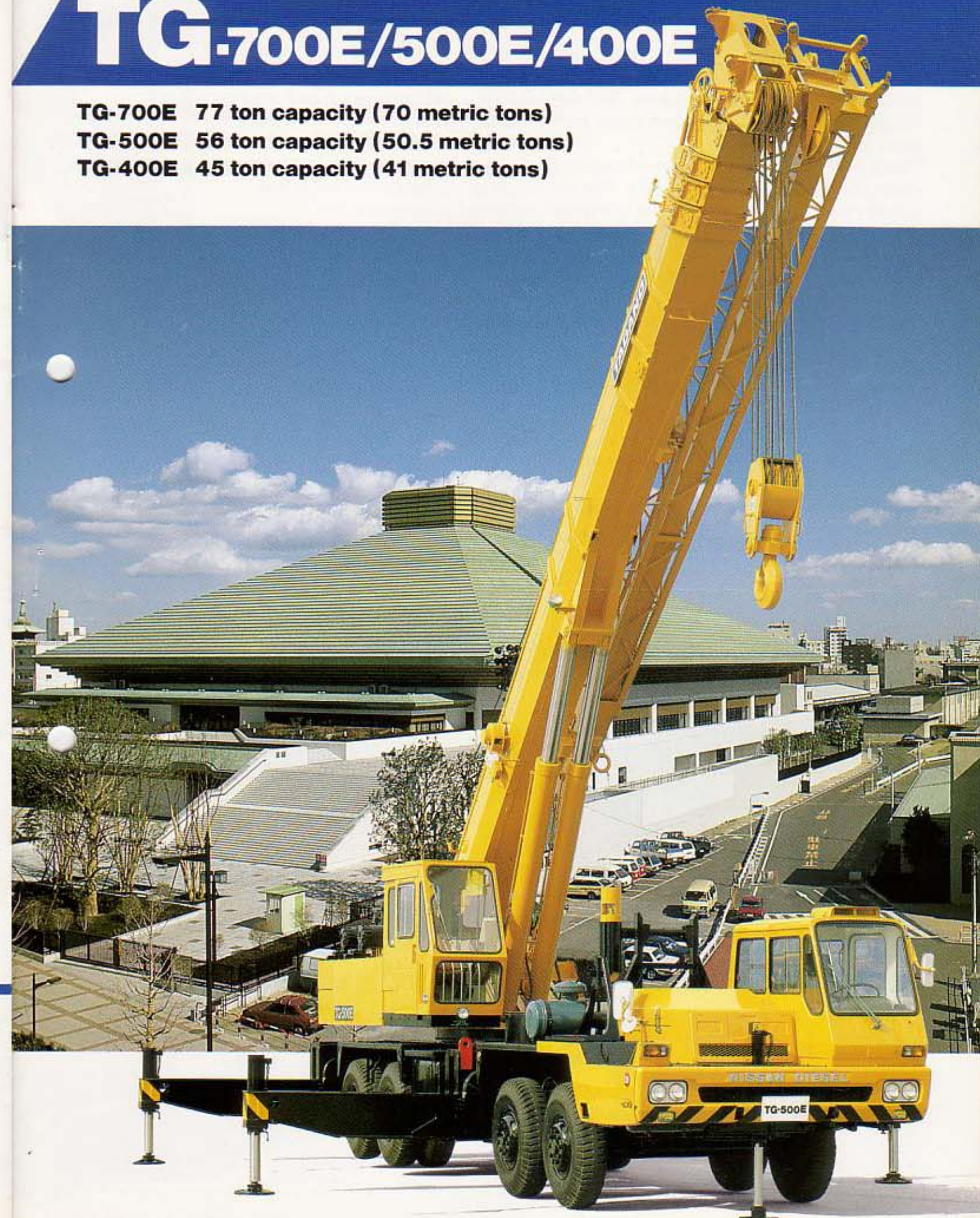
TADANO HYDRAULIC TRUCK CRANES

TG-700E/500E/400E

TG-700E 77 ton capacity (70 metric tons)

TG-500E 56 ton capacity (50.5 metric tons)

TG-400E 45 ton capacity (41 metric tons)



DESIGNED TO DELIGHT YOUR OPERATOR WITH ITS EASE, SIMPLICITY AND ALL NEW AML

Total control centre

The cab features comprehensive instrumentation for increased safety. In addition to the Automatic Moment Limiter, the cab is fitted with a Monitor Control Centre which shows boom/extension* and outrigger configuration; extended front (5th) float*; counterweight status (TG-700E); overhoist warning and cut-out; and which also includes front jack* overload indicator, extension* set indicator as well as direction indicator for boom location. A pressure gauge provides readouts of all crane motion circuit pressures. Other controls include an engine start and stop switch; hand throttle and warning horn.



An asterisk (*) denotes optional equipment.

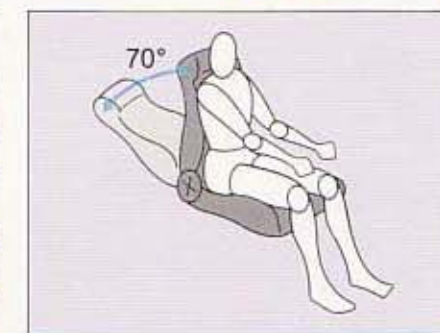


Tadano's Automatic Moment Limiter

With Tadano's newest electronic Moment Limiter, moment input is electrically taken directly at the boom support point and the boom angle is detected in relation to true horizon. These factors are combined with the boom/extension* length and outrigger configuration, enabling the unit to monitor and control stepless capacity changes. The Moment Limiter gives a constant LCD readout of moment as a percentage of the safe working load together with boom angle. Furthermore, it provides both audible and visible warnings of approaching overload situations and cuts out the dangerous crane motions of hoist up, telescope out and boom down before overloading occurs. When the AML Indication Select switch is set to the appropriate position, the unit displays:

- moment and boom angle,
- actual hook load and maximum potential load,
- actual working radius and maximum potential hook height or
- actual boom length and boom angle.

Finally, in the event of some operator input error or system defect, the unit again cuts out dangerous crane motions and displays a code number identifying the error or defect and suggesting the remedy.



Full vision cab designed with the operator in mind

One look at the cab and you'll know it's been designed with the operator in mind. Get inside, and you'll feel comfort like you've never felt before. Tadano's new, full vision cabs are wider and more spacious than ever, with all the instruments concentrated on the left-hand side of the cab for easier operation and enhanced front view clearance. Adjustable, full length crane control levers for enhanced 'feel' are complemented by an adjustable, reclining seat with

headrest. Other feature comforts include through ventilation from the sliding door and opening side, rear and roof windows made of safety glass; a cigarette lighter; a fuel heater*; interior lighting; and an adjustable spotlight fitted to the front of the cab.

An asterisk (*) denotes optional equipment.

HEAVY LIFTING CAPACITY COMPLEMENTS A VERSATILE DESIGN

TG-700E

42.0m + 16.0m
2.5t

42.0m + 9.0m
4.5t

42.0m
8t

30°

5°

TG-500E

40.15m + 16.0m
2t

40.15m + 9.0m
3.5t

40.15m
7.5t

30°

5°

TG-400E

35.0m + 16.0m
2.1t

35.0m + 9.0m
3.8t

35.0m
9t

30°

5°



Full length power hexagonal boom

Tadano's new hexagonal boom has been designed to maximise flexural and torsional rigidity while reducing unnecessary weight. The result is a revolutionary boom that is lighter and stronger than those found on conventional cranes. Both the TG-700E and TG-500E feature a five section boom that is equipped with three telescope cylinders for full length power extension/retraction from 11.0m to 42.0m and 10.8m to 40.15m, respectively. The TG-400E comes with a four section boom that extends and retracts from 10.7m to 35.0m. The single lever control makes telescoping quick and simple.



Wide elevation range

The double-acting hydraulic elevation cylinders, fitted with a counterbalance valve, have an elevation range of -2° to 83° for the TG-700E, and -2.5° to 82° for the TG-500E and TG-400E—versatile enough to answer the requirements of almost any jobsite. The negative boom angle permits ground level reeving.



Auxiliary boom sheave*

An auxiliary boom sheave* can be mounted to the boomhead to facilitate the high speed lifting of light loads when the extra height of lift provided by the swingaround extension* is not required.



Swingaround extension*

Extra reach is provided by a 2-stage swingaround boom extension* that extends from 9.0m—16.0m. When erected, the unit is offset either 5° or 30° from the main boom centre line. The stowage position alongside the base boom section is slightly offset to ensure disconnection from the boomhead.

STRENGTH PLUS TECHNOLOGY —A TOUGH COMBINATION

Rugged, reliable and rarin' to go, these new Tadano cranes are the result of our renowned and advanced technological know-how. And they've been tested for strength and work-tough conditions, so that when one arrives on your construction site, you can stand back and enjoy the action.

You'll find things like a stronger hexagonal boom, which has been designed for maximum flexural and torsional rigidity. This full length power hexagonal boom has a wide elevation range for close-in lifting on a restricted construction site.

The winch's Dual system—Automatic fail-safe brake and Free fall operation—meets every demand no matter how stressful. The 2-motor, 2-drum system allows the main and auxiliary hoist units to be controlled independently and simultaneously.*

Tadano's new Automatic Moment Limiter provides the operator with necessary information regarding lifting capacity, working radius and others for safe operation.

Tadano. The company that cranks up its efforts to bring you the best and the toughest.

Hexagonal boom provides maximum flexural and torsional rigidity and reduced weight

Powerful 2-motor 2-drum main and auxiliary* hoist units with an automatic fail-safe brake and free fall operation capability

Two-stage dual offset swingaround extension*

Boom elevation from -2° to 83° for TG-700E, and from -2.5° to 82° for the TG-500E/400E facilitates close-in lifting and ground level reeving

Wider, more spacious, ergonomically designed cab with enhanced front visibility

Tadano's new, microcomputer-controlled Automatic Moment Limiter

Wide-span outriggers with permanently attached floats

Front (5th) float* permitting full capacities through 360° swing

Ruggedly built carriers

The TG-700E, TG-500E, and the TG-400E are available mounted on an 8×4 wheel drive left hand or right hand steering Nissan Diesel carrier that features a powerful water cooled 4-stroke direct injection diesel engine which couples with efficient powertrain components to provide superior vehicle performance, including acceleration and gradeability, over a wide variety of terrain. The high torque output and flexible transmission—nine forward speeds and two reverse for the

TG-700E, and ten forward and two reverse speeds for the TG-500E and TG-400E—also ensure good lugging power off the road. The side-mounted, two-man cab is spacious and offers superb comfort and visibility for two. All of the interior appointments, including steering wheel, seats, pedals, and control levers, are ergonomically designed for optimum comfort and ease of operation, thus minimising driver fatigue—particularly valuable for long distance driving.



Powerful, 8×4 wheel drive Nissan Diesel carrier

An asterisk (*) denotes optional equipment.