

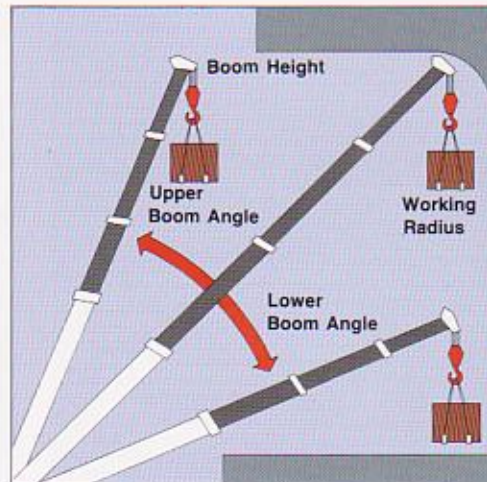
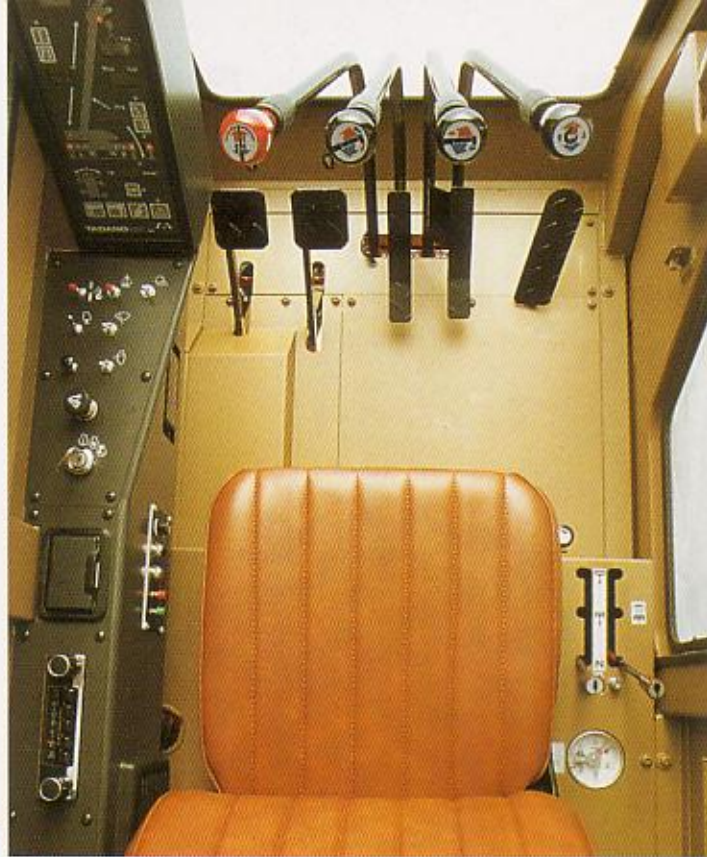
## COMFORTABLE CAB ENHANCES OPERATIONAL EFFICIENCY

At a glance you can instantly tell the spacious, full-vision cab is designed for maximum operational comfort. All instruments are clustered together on the left-hand side of the cab for easier operation and an enhanced front view. Adjustable, full-length crane control levers are complemented by an adjustable, reclining headrest-equipped seat. Crane control levers automatically return to the neutral position when released. Electric front and roof window wipers, interior lighting, an optional adjustable heater and an optional radio add further to operational comfort and efficiency.

## TADANO'S AML REPRESENTS ADVANCED ELECTRONIC TECHNOLOGY

With Tadano's electronic Automatic Moment Limiter (AML), moment input is electrically taken directly at the boom elevation support point. The boom angle and boom length are also detected. Combined with the outrigger configuration, this enables the AML to monitor and control stepless lifting capacity changes. The Automatic Moment Limiter provides a continuous display of moment ratio through a color bar graph, along with LCD readouts of the following data:

- either boom length or potential hook height
- boom angle
- actual working radius
- actual load lifted
- permissible load



As shown in the illustration, the Automatic Moment Limiter can also be used to limit boom height, upper and lower boom angles and working radius.



## FRONT JACK

To allow full capacities through a 360° swing, a fifth hydraulically operated jack is mounted on the front frame of truck carrier. An overload sensor and alarm is fitted to prevent damage to the truck chassis.



## OUTRIGGERS FOR ADDED STABILITY AND SAFETY

Rigid front outriggers of box-construction with a wide 4.4m span provide extra support for stabler and safer operations. Both outriggers can be simultaneously operated with a simple lever control, while both slide beams and jacks can be independently controlled. The rear "X" type outriggers are located low, allowing unobstructed operation over the rear.







**TADANO**  
**HYDRAULIC TRUCK CRANE**  
**TS-75ML**

8.8 ton capacity (8 metric tons)



**TADANO**

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# Better Work Results in Less Time and with Less Effort

Built with Tadano's proven technology, the TS-75ML hydraulic truck crane is unmatched in its class for mobility and maneuverability. Mounted on the standard chassis of a 4 x 2 medium-size truck, the TS-75ML can be easily moved from one worksite to another, giving you the profitable advantage of time-saving mobility. And thanks to its compact design and dimensions, tight tail and turning radii, and ample road clearance even on rough terrain, the TS-75ML pro-

vides you with optimum maneuverability which translates into maximum work efficiency. Like every TADANO crane, the TS-75ML is equipped with the most advanced features and specifications, including a 4-section fully synchronized power boom, a wide elevation range from -7° to 80°, a 2-speed winching capability and fully independent hydraulics. No matter what the job, you can count on the TS-75ML for top-class performance, safety and reliability.

## 4-SECTION FULL POWER BOOM

At a touch of a lever, the 4-section fully synchronized power boom telescopes to its maximum length of 21.3m in only 32 seconds. Constructed with high-tensile steel, the boom is lightweight yet sturdy enough to handle extra-heavy

loads. Lifting capacity goes all the way to 8t at 2.3m working radius. Maximum lifting performance at maximum boom length is 2t at 5m radius. Contributing further to work efficiency, the truck carrier features a fast and powerful traveling performance.

## SINGLE TOP (AUXILIARY BOOM SHEAVE) FOR LIGHT LOADS

The boom head can be mounted with a swing-around type single top for lifting light loads at high speed. The single top can be used with an auxiliary winch, separately from the main hook, saving you the trouble of having to re-reeve the hoist ropes.



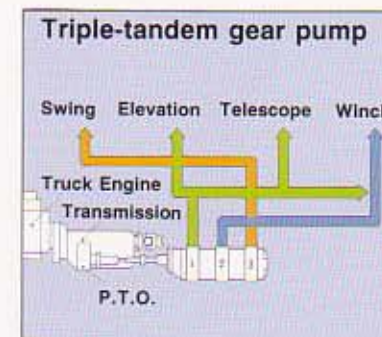
## WIDE 87° ELEVATION RANGE

Fitted with a counterbalance valve for smoother boom lowering, the double-acting hydraulic elevation cylinder offers an elevation range of -7° to 80° — wide enough to meet practically any requirement at any worksite. The negative boom angle permits reeving at ground level and contributes to easier maintenance.



## SIMULTANEOUS CRANE OPERATIONS MAKE WORK EASY

A triple tandem gear pump enables the TS-75ML to carry out different crane functions simultaneously. Each of the three sections of the pump delivers the required hydraulic pressure to winch, swing and boom individually and free from fluctuations.



## POWERFUL 2-SPEED WINCHING

For easier and smoother winching, a high-torque axial piston motor is used to drive both main and auxiliary winch drums. A 2-speed booster doubles line speed. Hoisting, lowering and speed are all controlled by the same single lever. Clutch levers conveniently located inside the cab enable the operator to quickly shift from main to auxiliary winch and vice versa. Both drums can be set to free fall for fast cycle work and increased fuel economy when operating over tall buildings. Hoist drums are wide and grooved to improve spooling and extend rope service lifespan.



## SMOOTH 360° CONTINUOUS SWING

The crane can swing continuously through 360° with remarkable stability, without being influenced by any other operational hydraulic circuit — thanks to the triple-tandem gear pump. Disc-type automatic neutral swing brake permits easy and safe operation.

