

THE STURDY SPRINTER

NEW TADANO ALL TERRAIN CRANE

AR-250E



Hydro
H17.09.24
Crane

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

TADANO

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TADANO

THE GREAT PERFORMER WHERE THE GOING IS ROUGH

The TADANO ALL-ROUND AR-250E ALL-TERRAIN CRANE combines capability of operating on rough terrain with that of travelling at amazing on-road speed. Thanks to its powerful diesel engine which produces 230 PS, the greatest horse power in its class, it has the muscle to make light of any jobsite conditions, however demanding. Its full-length power four-section boom assures deep-reach go-get manoeuvrability for high-rise construction duties. After reaching the motorway, the AR-250E sprints at a revolutionary travel speed of up to 70 km/h, to waste no time and money getting to the next job. The torque converter offers high fuel efficiency with a lock-up device operating at high speeds.

A switch on the side of the main or auxiliary* winch lever exerts a 'Load Follower', which effectively eliminates the potential dangers associated with boomhead side-loading. Tadano's Automatic Moment Limiter is provided as standard, which can display seven factors: moment, boom angle, boom length, actual working radius, actual hook load, maximum potential load, and maximum potential hook height. The Moment Limiter provides both audible and visible warnings of approaching overload situations, and cuts out dangerous crane motions before overloading occurs. And with all of these performance features, the operator has been taken care of with a cab design made for comfort and convenience. (The AR-250E is available with either left-hand or right-hand steering.)

An asterisk () denotes optional equipment.*



Sturdy Full-Length Power Boom

AR-250E has a four-section boom which gives a total length of 26.3 m (26.2 m for right-hand steering), the longest in its class, and which features high flexural and torsional rigidity. The boom is fully extended by a single lever control: first, the 2nd section is extended, then the 3rd and 4th section synchronously. The single lever control makes telescoping quick and simple.



High Sprinting Speed

The AR-250E is built for speed to minimise non-productive transit time. The maximum travelling speed is 70km/h and thus fast enough to qualify for motorway access, a great benefit to operators requiring quick job-to-job mobility. The maximum speed from the operator's cab is 26km/h. With a gradeability of up to 60% (tan θ), the AR-250E can cope with very steep inclines.



High Stability on Rough Terrain

The operator's cab of the AR-250E offers three forward and three reverse speeds (six forward and two reverse from the driver's cab) for optimum speed selection to suit the site conditions. Even on the most difficult terrain, AR-250E ensures outstanding travel performance, having also the other features like four-wheel drive, bigger off-road tyres, suspension (tapered leaf springs with stabilizers), bigger road clearance, bigger approach and departure angles, etc.



Three-Way Power Steering

A convenient switch inside the cab lets the operator choose between three steering modes: 1) conventional two-wheel front steer; 2) four-wheel crab steer; and 3) four-wheel coordinated steer. Three-way steering ensures optimum manoeuvrability on and off the road and in cramped job site conditions. In the four-wheel coordinated steer mode, the turning radius is minimised at only 5.0m to negotiate narrow job sites without any problem.



Pick and Carry

Thanks to the axle spring lock switch, the front and rear leaf springs can be locked so that the crane can stably travel with the load picked up.

Swingaround Extension*

Swingaround boom extension, available on an optional basis, can be offset either 5° or 30° from the main boom centre line, giving a hook height of 34 m, the highest in its class. The swingaround extension* comes into its own in high-rise construction work where a deep reach is essential for accessibility.



Two-Motor Two-Drum Winch

Two independently operable winches are mounted so that the main and auxiliary drums can be wound separately for independent simultaneous operation. The use of low-speed, high-torque axial piston motors allows smooth speed change selection with a single lever between high and low to suit the load being handled without reducing the line pull. The hoist drums are grooved with a wide diameter to eliminate off-position winding and increase rope service life.



Wide-Span Outriggers

The AR-250E features wide-span hydraulically operated double-box construction outriggers. These can be operated either independently or simultaneously by controls mounted in the operator's cab. The sight level gauge adjacent to the control switches is ideal for a quick at-a-glance check of the outrigger positions. The jacks have permanently attached floats to facilitate outrigger positioning.



**THE NEXT JOB
IS JUST A QUICK SPRINT DOWN
THE MOTORWAY**
MAX. ROAD SPEED... 70KM/H



Operator-Friendly Cab

Full-view glass windscreen offers all-round panoramic vision. High-speed travel control is assured from the driver's cab, and crane and pick & carry operation from the operator's cab. All operating and safety controls in the operator's cab are most effectively laid out at the side of the operator's seat. Easy-to-see, ergonomically designed instrument panel minimises operator fatigue during prolonged operation and travelling.