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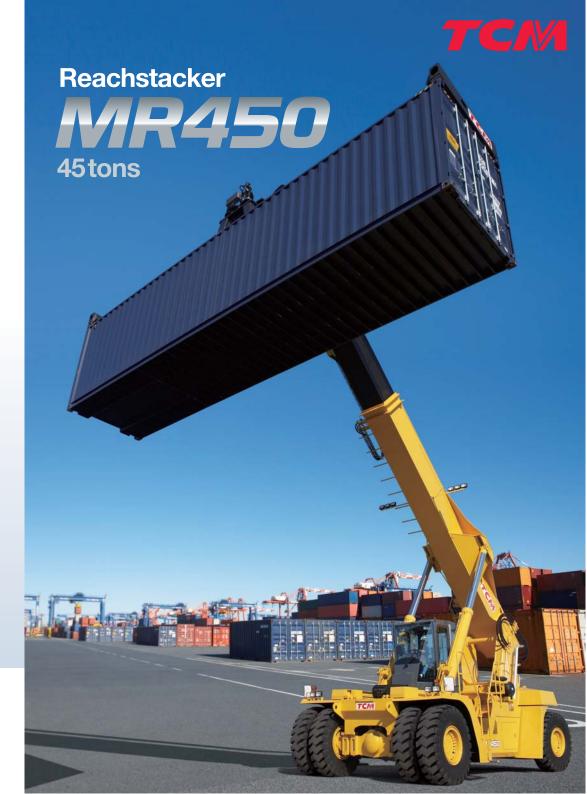
Manufactured by



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TCM, a company which has developed and manufactured a variety of container handling equipment for use in container yards, has launched the model MR450 reachstacker, equipped with a Tier 3 compliant engine for clean operation. With increased rated load and lifting height, the MR450 provides improved work efficiency in container handling operations. The standard touch-panel display shows the status of the load and the machine, including the weight of the container being handled, the rated load of the machine, and the boom angle, to ensure safe container handling operations.

● Tier 3 compliant engine ● Low overall height allows the machine to carry containers, even in places where the overhead clearance is quite limited. ● Rotating spreader provides versatile container handling. ● Power-slide cab assures optimum visibility, especially when stacking containers 3 to 5 high. ● Multifunction lever allows for speedy and efficient container handling. ● Touch-panel display provides safe, simple operation.



HIGH PERFORMANCE





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the container at a high position become easy, quick and safe.

SAFETY AND COMFORT



State-of-the-art technology provides reliable performance and easy maintenance.











Comfortable operator cabin for increased productivity and greater safety.

Spacious interior provides a relaxed work area with an interior height of 1590 mm.

The pressurized cabin keeps dust and other particles out, for a cleaner operator environment.

A pillar-less cabin for wider visibility

The operator's cab with a wide pillar-less glass windshield and the boom configuration without a mast provide unobstructed visibility for safe and efficient container handling.

Multifunction control lever

The multifunction control lever allows the operator to raise, lower, extend, and retract the boom, and to side-shift, rotate and twist lock the spreader with a single lever.





Adjustable control lever position

The control lever position can be moved forward and backward, to provide easier container handling.

Twist lock indicators



The operator can read the "landing", "locked" and "unlocked" positions of the twist locks with two sets of three-color indicator lights, one inside the cab and the other on the spreader.

Auto twist lock system

When all of the four twist locks are inserted completely into the corner castings of the container being handled, they will be locked automatically to save the trouble of locking them manually.



Deluxe, multi-function operator's seat

A deluxe, suspension seat is standard equipment providing the operator with a range of comfort features including a reclining backrest, a forward and backward sliding seat, and functional armrests with height adjustable on the right-side and tilt function on the left-side.

Adjustable steering wheel for better operability

The tilting and telescoping steering column allows the operator to adjust the steering wheel height and angle freely, to suit individual operator physique and preference.

Touch panel display provides safe, efficient management of the status of the load and the machine

The touch panel display shows a variety of information about the status of the load and the machine, including the weight of a loaded container, allowable load and boom angle. It also has warning lights and other indicators to allow the operator to check the operating status of the vehicle at a glance. While the interlock system is activated, advisory messages will also appear on the display. And, the display can record such information as maintenance performed in the past and maintain an error history.







Comprehensive safety system

Interlock system

Lifting interlock A container cannot be lifted unless all four twist locks are completely locked.

Mechanical interlock
The twist locks cannot be unlocked while the container is being lifted.

Door sensor You cannot perform container handling operations nor slide the cab forward or backward while the cabin door is open.

Boom drop prevention valve

Travel speed limiter

Easy maintenance

The sliding cab allows the engine room to be opened fully, for easier daily maintenance.



Clustered electrical control system

The control components for the electric system are in a cluster on one side of the vehicle, for easier inspection and maintenance.

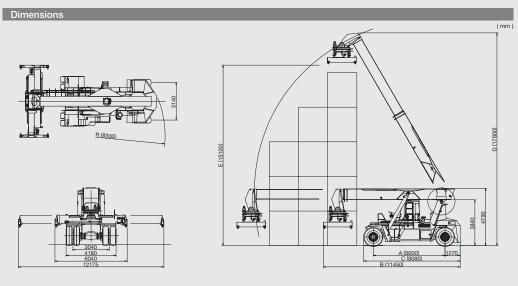






Main specifications				
Leading particulars				MR450/5
Stacking capacity			5 high	
Allowable load	1st row	kg		45000
	2nd row	kg		27000
	3rd row	kg		13000
Load center	1st row	mm		2190
	2nd row	mm		3840
	3rd row	mm		6280
Total service weight		kg		71000
Wheelbase		mm	А	6000
Overall length	Boom retracted	mm	В	11450
	Truck body	mm	С	8080
Overall height	Boom horizontal	mm		4790
	Boom raised to top	mm	D	17800
Overall width		mm		4180
Tread, front		mm		3040
Tread, rear		mm		3140
Lift height (under twist locks)		mm	Е	15100
Minimum ground clearance		mm		250
Min. turning radius		mm	R	8300
Gradeability (no load)		%		32(2km/h)
Boom angle		deg		0~60
Lifting speed (no load/loaded)		mm/s		410/260
Lowering speed (no load/loaded)		mm/s		400/400
Engine	Model			Mitsubishi 6M70
	Output	kW/PS		250/340
	Rated speed	rpm		2000
	Total displacement	l		12.88
Tire size				18.00-25-40PR
Transmission				4 speeds fwd/4 speeds rev
Brake				Wet multiple disc
Spreader	Sideshift	mm		800 mm to each side
	Rotation	deg		+95~-185
Battery		V/AH		12V/120AH x2

The specifications are subject to change without notice.





Reachstacker MR450

