

TCM

LADEN CONTAINER HANDLER

37-43 ton

FD370-2 FD430-2



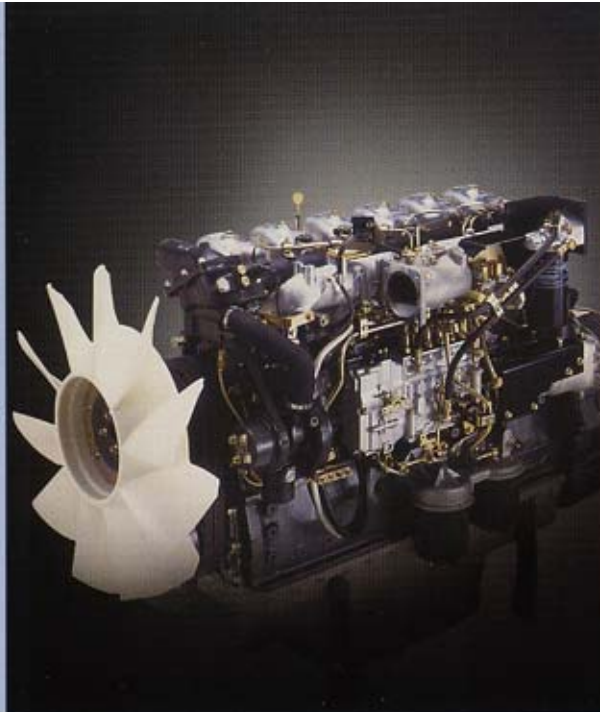
Versatile Trucks, equipped with the new type of Spreader-being capable to stack up to five containers.

Powerful and Driver Friendly Trucks

TCM has proudly launched its newly revamped heavy duty forklift trucks-model FD430 in response to the needs of ever enlarging container yards as well as heavy industries such as steel mills.

"Operator Friendly Trucks"- an ideal pioneering model, mounted with the new engine in compliance with stringent emission controls and being capable of much faster lifting speeds.





The New Engine clearing the 2nd stage worldwide emission controls

The new diesel engine with 243kW inter-cooler, the largest capacity in its class. Far sufficient and strong power to perform continuous harsh operations.

Total Displacement (cc)	11940
Rated Output (kw/rpm)	243/2200
(ps/rpm)	330/2200
Maximum Torque (N.m/rpm)	1245/1500
(kg.m/rpm)	127/1500



**LIFTING SPEED
30% UP**

**340
mm/s**



Industry top-ranked lifting speed-FD430

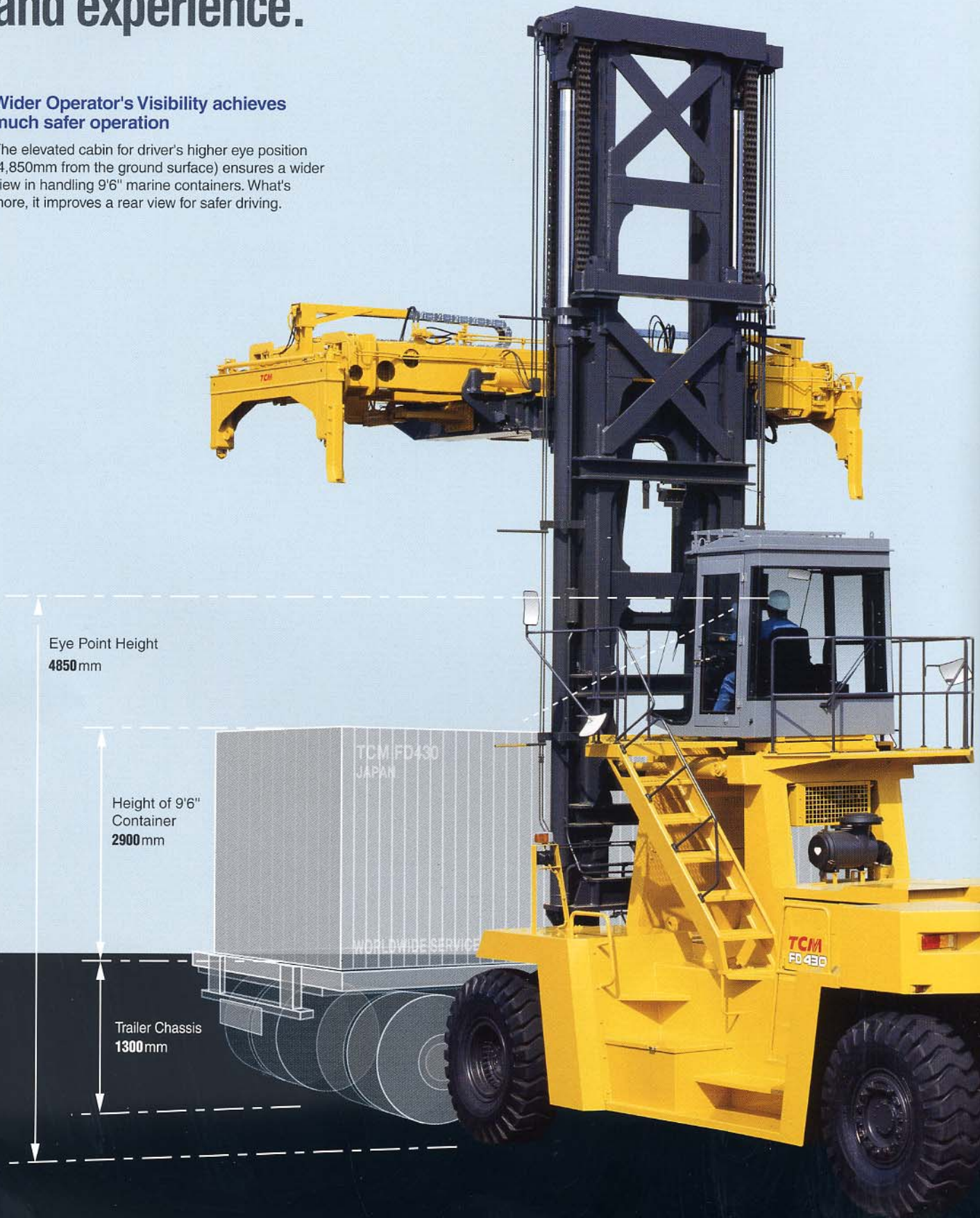
Remarkably improved lifting speed
260mm/s → 340mm/s*
(Without Load)
200mm/s → 230mm/s*
(With Load)

*Figures in comparison with TCM conventional models.

"The Operator Friendly and Comfortable Cabin", designed through thoughtful and detailed analyses based on the past many years performance and experience.

Wider Operator's Visibility achieves much safer operation

The elevated cabin for driver's higher eye position (4,850mm from the ground surface) ensures a wider view in handling 9'6" marine containers. What's more, it improves a rear view for safer driving.



Convenient Lever Layout for easier operation

Compactly laid levers reduce operator fatigue. Moreover, it achieves ergonomically comfortable steering operation.



Pillar-less Cabin & Compact Meter Panel Board

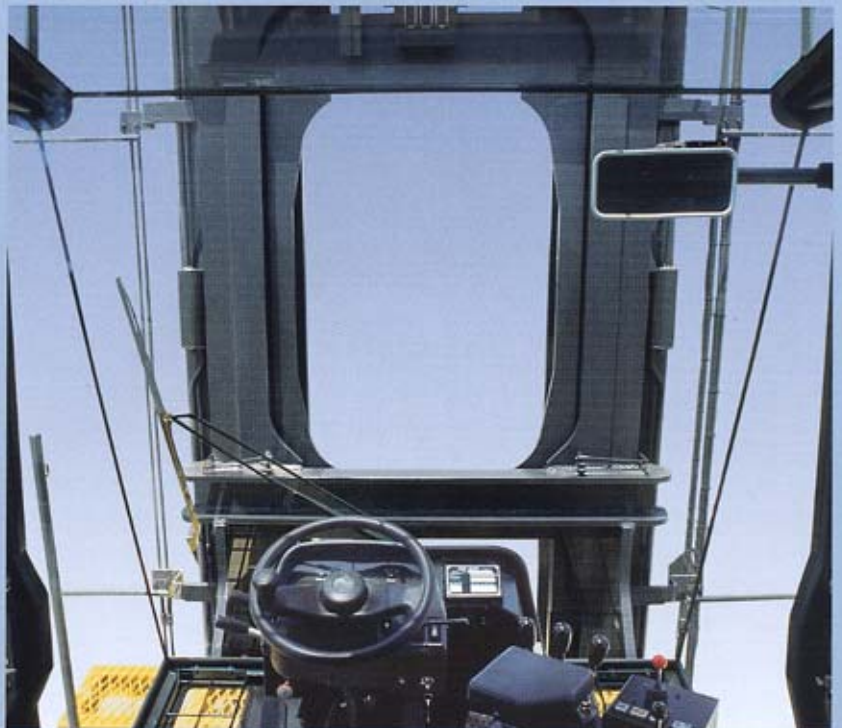
No front, rear and ceiling (TCM original) pillars in the cabin with compact meter panel board, ensures higher safety as well as wider visibility for the operators.

Large-capacity Air-conditioner

Equipped as a standard equipment
4.7Kw (400kcal)

Industry Top Class Lower Noise

Noise at driver's
ear-point **75dB(A)**
(inside the cabin)



Multi-Functional Deluxe Driver Seat

Reclining, forward and backward sliding, up and down adjustment, comfortable suspension seat with easily adjustable arm-rest as standard equipment.



Dependable maneuverability as well as safer operation for superb performance even under very severe working conditions.



Operation Levers with Hydraulic Automatic Control Valves

Soft finger touch operations for heavy duty cargo handling are now achieved by this hydraulic system.

- ① Lifting ② Tilting ③ Side shifter
- ④ Twist Lock ⑤ Indicator 20' container
- ⑥ Spreader telescopic operation switch (20' ± 40')
- ⑦ Indicator 40' container



3-Speed Automatic Transmission with Two Stick Levers

It is feasible to be automatically selected from 1st to 3rd speed depending on the extent of operation, similar mechanism as passenger cars.



One Touch Parking Brakes

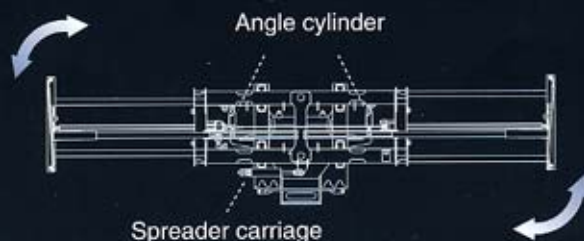
Equipped with the air pressure type spring brake, what's required for the operator is just to pull back the air valve when parking. In case of insufficient air pressure, the brake is automatically locked on.

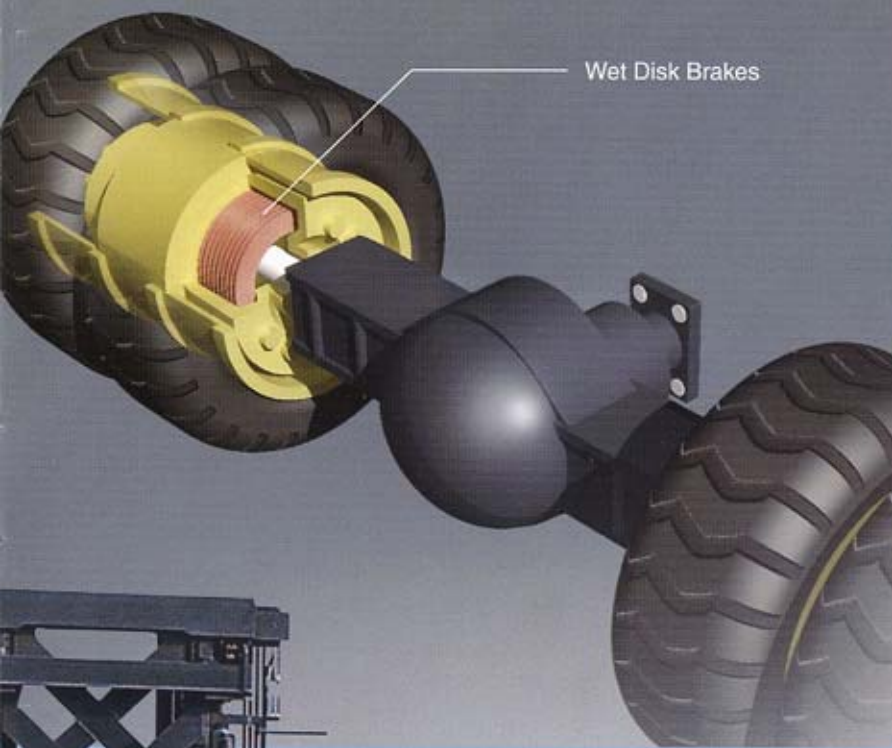
New type Inter-lock Safety System

Hoist and twist interlocking system to prevent falling the container by mishandling the spreader. Moreover, a new sounding and visual warning device for excessive cargo lifting and tilting.

New Spreader Angle System

TCM original spreader angle system. The safe container position is always kept in enough allowance between the spreader and the cabin for safer and efficient container handling.





Wet Disk Brakes



Dependable Wet-Disk Brakes

Just-on-time stopping as well as efficient functioning by the new type brakes largely contribute to longer life of brake-linings, no abrasive dust and accurate stoppage on the wet surface grounds. Moreover, this achieves lower maintenance costs as well.



Easier Tuning and Inspection

The fully opening top and side panels facilitates easy inspection and maintenance. In addition, integrated grease supply inlet, air-cleaner attached to bonnet, battery cover plate are conveniently equipped.



Heavy-Duty Fork FD430 Forklift Truck (Optional)



Amazing powerful forklift truck (243kW power) efficiently conducts very severe cargo handling such as heavy steel products.

- TCM retains the right to change these products and specifications without incurring any obligation relating to such changes.
- These products and specifications are subject to change without notice.
- Photos and illustrations may or may not include optional equipment and accessories.



ISO 9001 Certification (TCM Ryugasaki plant)



ISO 14001 Certification (TCM Ryugasaki plant)

Our production site in Japan (Ryugasaki plant) is certified ISO 9001 & ISO 14001.

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