

Electric Reach Forklift Trucks

FRB-8A

1.0 - 3.0ton Class 2 - Stand-up Type



State of the Art

“Second To None”

Electric Reach Forklift Trucks — The Benchmark in class 2 Stand-up Type.

As the pioneer of forklift manufacturer in Japan since 1949, the reach type electric-powered forklift FRB-8A has been launched to the global markets, fully making use of experiences accumulated over many years and technical expertise to meet the demands of the modern material handling, particularly in the warehousing operations.

This model, equipped with AC motors for both travelling and lifting performances, is sturdy and reliable in your daily operations.

In addition, the load capacities of FRB-8A have improved from the conventional model achieving superb productivity with high returns on your investments.



TCM yellow color available as an option.

01 Superb Efficiency and Productivity

02 Excellent Maneuverability

03 Stable Driving and Operator Friendly Handling

01

Superb Efficiency and productivity

Extended Working Time and Improved Performance



02

Excellent Maneuverability



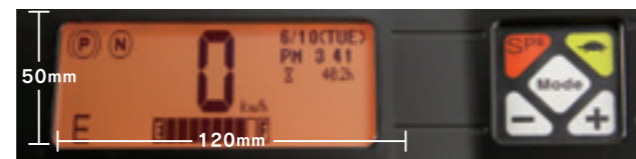
AC motors for higher productivity

As the result of installing AC motors for both traveling and load handling, FRB-8A achieves 9.5 hours of operation period for one battery charge. The regenerative braking system at acceleration-off and switch-back performs to add value extra run time.

FRB-8A 9.5hrs.

(Figures are measured under the original test patterns.)

Easy-to-read wide LCD display



Main screen

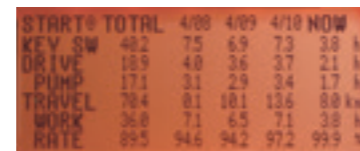
Power & screen mode selection

Battery over-discharge prevention system

When the battery power is 80% discharged, the LCD panel indicator blinks to alert and remind the operator either to recharge it or to replace it by the new battery. Furthermore, at this moment the system automatically start to reduce both travel and lifting speeds to protect the battery life from sudden total power discharge. Also, the reservation system has been newly installed to set-up the starting and finish time to carry out battery charging.



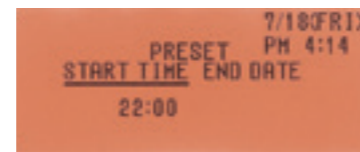
Power consumption screen



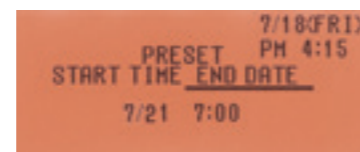
Working hourmeter screen

Auto Power-off System

This system automatically conducts to shut off the main power to save the Battery power when the truck is not operated more than 15 minutes even if the main key switch is "ON". The hour recording meter of operation also halts to automatically record the actual operation time for management supervision on the truck operation.



Charging reservation screen (Start)



Charging reservation screen (End)

Dust and water-resistant controller



Air tight controller for travelling and lifting has IP 54*, helping to protect it from dirt and water ingress.

* IP54 rating (Ingress protection) is used to specify the extent to which equipment is protected against dust/dirt particles and water.

Improved load handling control system

The FRB-8A Series are ensuring class-top handling performance

■ Lifting speed(FRB15-8A)

without load	with load
540 mm per second	310 mm per second

Laser beam positioning unit

OPTION

The red color laser beam clearly indicates the position of fork pockets of the pallet, allowing even untrained operators easily conduct pallet handling operations.



Easy access to operator compartment



Operator comfort has been enhanced by the new ergonomics design, such as lower step floor with soft cushion mat.

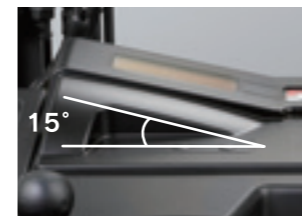
Auto-torque-up Traction control system

When climbing slopes or getting out of the concaves at the workplaces, the controller automatically increases the traction force of the drive wheel for much smoother operations.

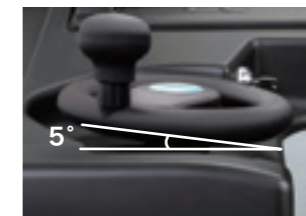


LCD panel and dashboard design

The LCD panel has inclined by 15 degrees toward the operator to improve readability and also safety operation. The steering wheel has inclined by 5 degrees toward the operator to improve turning with less fatigue.



Meter Panel Degree **15°**



Steering Wheel Degree **5°**

Improved fork-tip visibility

The front visibility has improved by 20%, inclining the horizontal bar of backrest.



· Above photo includes optional equipment.

03

Stable Driving and Operator friendly Load Handling



Easy Battery maintenance

For easy access to the battery, pull the battery forward to out of the compartment. This enables to make battery maintenance and replacement much easier, quicker and safer.

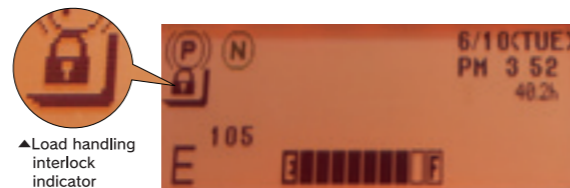
Password entry system



For security to prevent misuses of trucks by unauthorized operators, FRB-8A is equipped with this new system, whereby operators have to input their individual code numbers to release the lock before start up the truck.

Load handling and Traveling Interlock system

This system automatically and constantly monitors operator's position in the compartment and releases the lock to perform load handling only when the operator stands on the proper position. In the meanwhile, only seconds after the operator leaves the compartment warning light and alarm sound start to alert, and the truck remains standstill.

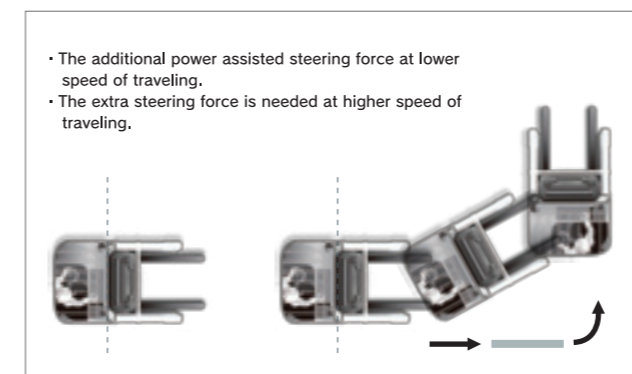


▲Load handling interlock indicator



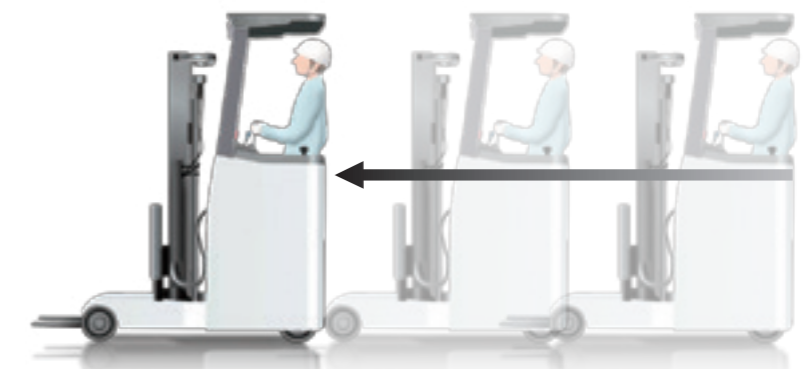
Steering control system (Traveling speed and steer-angle)

This system automatically regulates the traveling speed of the truck when the steer wheel turning-angle exceeds over 30 degree at either right or left turns. This enables more comfortable and safer steering handling. Furthermore the speeds-sensitive steer force system automatically regulates as follows:



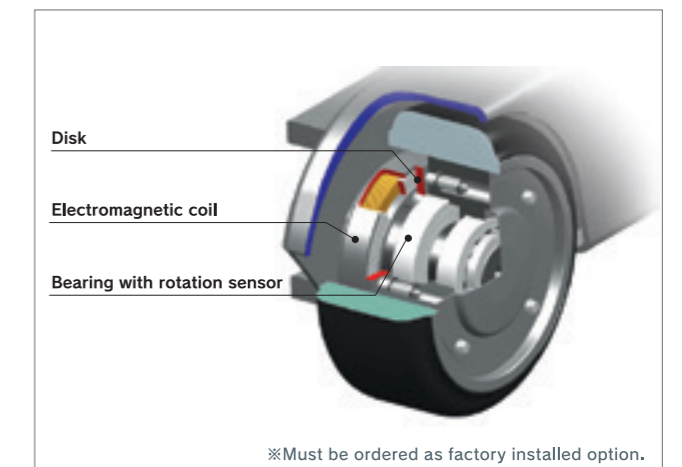
Anti-slipping control by AC systems

AC drive motor and the controller achieve to prevent sudden slippage quickly when start-up or speed-up acceleration, which enables comfortable driving as well as safer- operation on the slippery surfaces.



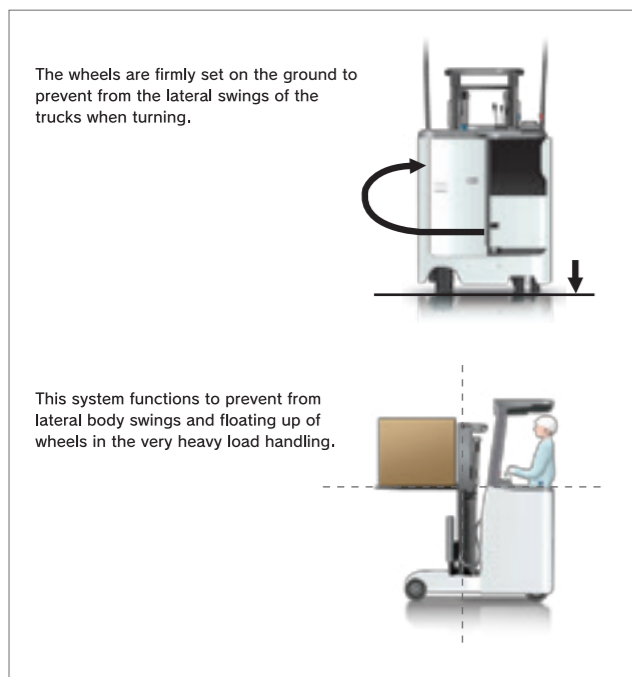
Front wheel brakes OPTION

The FRB-8A Series are equipped with electromagnetic – controlled front wheel brakes to ensure efficient braking performance when carrying very heavy loads as well as at slippery surfaces.



Auto-lock suspension control system OPTION

This controller constantly monitors traveling and load handling condition, and the rear wheel suspension is automatically locked by this system.



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- These products and specifications are subject to change without notice.
- Photos and illustrations may slightly differ from the actual trucks.
- Photos and illustrations may or may not include optional equipment and accessories.
- Features and specifications may vary depending on markets.
- Produced in ISO certified factory.

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