

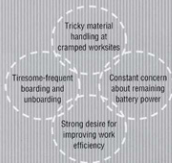
State-of-the-Art

FB-VII Series-Electric Forklift Trucks

(1.0~3.0 ton counter-balanced models)



Feedback from Customers



TCM solutions by four functional breakthroughs



All Innovative Operators

Longer and comfortable continued working hours—a desire of customers to use electric forklifts.

They are also looking for more compact truck bodies with more efficient and comfortable maneuverability.

In addition, TCM takes note of the requirement of very frequent boarding and unboarding to inspect proper handling of cargos by operators.

To ease these operator's constant mental and physical stress, TCM has launched the newly redesigned and upgraded electric forklift trucks—FB-VII Series (8 models)—to meet ever-changing challenges.

tions made for Comfort





Newly Launched TCM Electric Forklift Trucks

Four main features provide solutions to ease customers' constraints, being

Overall width:

Shortened by

50mm

Min. turning radius:

Reduced by

80mm

Step height:

Lowered by

30mm

Floor height:

Lowered by

45mm

Step width:

Extended by

40mm

Switch-back

time saving:

Improved by

25%

Speed acceleration time:

Shortened by

(Super mode)

15%

Continued work hours:

Extended by

30min.

Stress-Free Operation Most Compact Body in Its Class

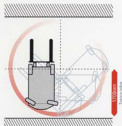
Responding to our customers' needs for a smaller body and easy-to-operate vehicles, TCM innovated the new electric forklift to reduce operators' stress caused by frequent turning within cramped workspaces at warehouses and factories. In particular, as the widths of the new forklifts (1.5 ton and less) are shorter than the pallets, they can move vehicles more freely within very narrow workspaces. This naturally contributes to better utilization of total space at worksites for customers.

- Shortened body width (1120 → 1070mm)
- Min. turning radius, reduced by 80mm (1780 → 1700mm)
- Refined surface of counter-weight panel plate

Compact body



Shorter than the pallet width.
Remarkable maneuvering within cramped spaces as well as contribution to neat and efficient cargo placement.



Turnable in 160 mm narrower aisles



Comfort

Operations of the TCM electric forklift are different from those of conventional forklifts. The physical fatigue of operators, which is a major concern, is reduced.

- Shortened body width (1120 → 1070mm)

Postures of

FB-10 Series



Comfort

Seatbelt as a standard equipment

Bury arm support for gripping wheel on boarding

New

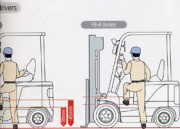
By additional braking, the engine brake distance is reduced compared to previous models.

engaged in cargo handling at warehouses as well as at cramped indoor factories

Reducing Fatigue Easy access! Boarding step and seat

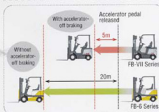
Handling finished goods are common in the warehouse, which requires open-air operations. To inspect cargo and merchandise, workers get off and on the trucks, which leads to more physical fatigue. The new VII Series, having that lowest floor and step height to cut physical fatigue by 10% due to much lower foot

ing both step height by 30mm and floor height by 40mm as well as widening the step by 40mm contributes to 10% reduction of physical fatigue!

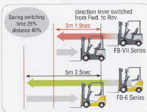


Newly adopted AC motor

By adopting accelerator-off braking, the truck can be stopped much like a car. Furthermore, time and energy are substantially saved compared to models.



● Accelerator-off braking



● Switch-back

Operation Flexibility for Various jobs and Environments 3 shift modes to support even skilled operator!

Rationalization of material handling requires strenuous usages of forklifts. Even during daylong work, the quality of operation varies significantly from hard speed to fragile delicate use. To efficiently conduct these tasks, the VII Series electric forklift is equipped with three changeable modes.

- Speed-accelerating time is shortened by 15% while minimizing battery power consumption-(Super-mode)

Speed comparisons



Sufficient Battery Power 8.5-hour operation time per charge

One of the few demerits of electric forklifts is operators' concern for remaining battery power. While the previous TCM electric forklift was capable of 8-hour operation, the new VII series forklift can be operated for up to 8.5 hour using a newly adopted low maintenance AC motor. Longer operation time with changeable operation modes enables stress-free driving.



- 0.5 hour longer operation time (based on 55% work ratio)

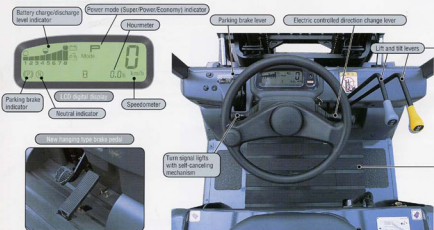
Standard Equipments for Stress-Free Electric Forklifts

To safely and precisely operate trucks, in addition to the four main features, the following are installed as standard and basic equipment on new FB-VII Series trucks

External equipment



Operator's compartment



(Features and equipment may vary depending on market)

Maneuverable Configuration

Other equipment

- Highly efficient and maintenance-free AC motor for travel
- Shock less lift-cylinder for easier fork handling before it touches the ground
- Lower noise both travel and cargo handling
- Safe, subtle, and quick power steering synchronized with truck speed

Standard



Applicable model
FB10-7 · FB15-7 · FB20-7
FB25-7 · FB30-7

LB model



- Large Battery capacity type (Battery capacity: 935AH) (Long wheelbase 1545mm)

Applicable model
FB25-7LB

V model



- Van maneuverable type
This model is suitable for operations inside a vessel container

Applicable model
FB25-7V · FB30-7V

Yellow/Gray color of lever prevents misreading



Wide flat floor for driver's comfort



NOTES:

- Meets following major standards and code ISO 1074 Counter Balanced Lift Trucks, Stability & Safety Test (Int'l) JIS D6001 Industrial Lift Trucks (Japan)
- Overhead guard meets ISO 6055, JIS 6021
- In conformity with provision of the Machinery Directive 98/37/EC, as amended, and with National implementing legislation (European and Scandinavian export trucks)



TCM products and specifications are subject to change without notice.

Manufactured by

TCM

TCM CORPORATION

1-15-5, Nishi-shimbashi Minato-ku,

Tokyo, 105-0003, Japan

TEL: +81-3-3591-8176

FAX: +81-3-3591-8152

URL: <http://www.tcmglobal.net/>

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