The water-resistant, dustproof and energy-saving electric forklift truck that fulfills customer’s needs for wider range of job sites.

**Economy & Ecology**
- Max. 20% energy-saving contributes to extended operating hours (FB25-12)
- Highly efficient PM (permanent magnet) motor
- A brand-new control system that reduces power consumption
- Optimized truck balance

See page 4.

**Safety & Reliability**
- Water-resistant, dustproof motor and controller
- Sealed connectors
- Wider tread contributes to greater stability
- Longer wheelbase contributes to superb travel comfort
- Traveling/lifting Operator Presence Sensing system
- Parking brake with indicator lamp

See page 5.

**Comfort & Operation**
- Optimum performance setups
- Overspeed alarm
- A large assist grip and wide step for easy access
- Fully hydrostatic power steering for excellent maneuverability
- Plastic overhead guard cover provides operator comfort in the rain
- Ample overhead clearance
- ID key enables identification of the operating record (optional)
- Rear assist grip with horn button supports easy reverse traveling (optional)

See pages 6 and 7.

**ICT (Information & Communication Technology)**
- Large color monitor provides the truck status at a glance

See page 8.

**KOMTRAX**
- Komatsu machine tracking system

See page 9.
ECONOMY AND ECOLOGY

Max. 20% energy-saving contributes to extended operating hours (FB25-12)

Application of a highly efficient PM motor, optimized truck balance, and new control system have resulted in up to a 20% reduction in power consumption and extended operating hours.

Electric power consumption

Up to 20% energy-saving
(Up to 15% energy-saving for FB30-12)

*Komatsu tested data comparing the FB25-12 and FB25EX-11, and FB30-12 and FB30-11. The results may vary depending on conditions.

Operating hour comparison (General guide)

<table>
<thead>
<tr>
<th></th>
<th>Previous (FB25EX-11)</th>
<th>FB25-12</th>
<th>Previous (FB30-11)</th>
<th>FB30-12</th>
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<tbody>
<tr>
<td>Hours</td>
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<tr>
<td></td>
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<tr>
<td></td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
</tbody>
</table>

Excellent reliability and enhanced stability, optimum for outdoor usages or on dusty job sites

Water-resistant, Dustproof Motor and Controller

The FB25-30-12 employs sealed motors and a new cooling system that does not allow direct intake of ambient air to the controllers and other electrical components. Together with waterproof connectors and covers, both waterproofing and dustproofing features have been improved. The FB25/30-12 meets the IPx4 waterproof standard. The improved dustproofing and waterproofing features realize excellent reliability even in wet weather when washing the truck using hose water, or on dusty job sites.

*Follow the instructions in the operation & maintenance manual when washing the truck.

Meet with IPx4 Waterproof Standard

Wider Tread Contributes to Greater Stability

The wider tread of the FB25-12 provides greater stability when handling a load.

Load capacity at 5.0 m lift height, 1900 kg
(Please 1800 kg)

Longer Wheelbase Contributes to Superb Travel Comfort

The longer wheelbase provides greater longitudinal stability and reduced pitching, which enhances travel comfort.

Wheelbase 1550 mm
(Previous 1400 mm)

A Brand-new Control System that Reduces Power Consumption

The FB25/30-12 features a torque-control system that reduces power consumption at peak motor loads. The control system helps to provide longer operating hours by reducing electrical loss and making efficient use of energy during acceleration.

Optimized Truck Balance

The battery is located at the rear end of the truck. The truck balance is optimized, and it is contributing to extended operating hours.

Highly Efficient PM (Permanent Magnet) Motor

The Komatsu FB25/30-12 features a highly efficient PM motor, an AC synchronous motor which uses permanent magnets in the rotor, to power both drive and pump motors. With its low electrical loss characteristics, low energy consumption contributes to longer operating hours.

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Sealed, highly efficient PM motor

Optimized Truck Balance

The battery is located at the rear end of the truck. The truck balance is optimized, and it is contributing to extended operating hours.
Functions such as traveling, lifting and tilting speeds can be adjusted according to individual needs. These adjustments can be easily made using the color monitor screen. With optimum performance setups, operations can be individually optimized, making operations smoother and more comfortable.

**Comfort Setup**
Set the Travel power and Lift/Tilt speeds lower for less stable load handling or operations in cramped work places. The operator can carry out the job with ease.

**Powerful Setup**
Set the Travel power and Lift/Tilt speeds higher for high-cycle operations. The truck will produce its maximum performance.

**Overspeed Alarm**
The FB25/30-12 is equipped with an overspeed alarm, which sounds when the operator exceeds the specified speed limit. This setting may be adjusted in 1 km/h increments, and can be made using the color monitor screen.

**A Large Assist Grip and Wide Step for Easy Access**
The large assist grip, combined with a wide floor and step, leads to a roomy entrance to make it easy for an operator to get on and off.

**Fully Hydrostatic Power Steering for Excellent Maneuverability**
The FB25/30-12 features a small-diameter steering wheel with an ergonomically optimized design. The fully hydrostatic power steering mechanism provides excellent maneuverability in the switchback operations. The steering knob synchronizer function is also included as a standard feature.

**Plastic Overhead Guard Cover Provides Operator Comfort in The Rain**
A plastic overhead guard cover is equipped as standard to provide operator comfort in the rain.

**Ample Overhead Clearance**
Overhead clearance is ample for operators wearing a helmet. This enhances comfort operator work place.

**ID Key Enables Identification of The Operating Record (optional)**
ID key is available as an option to enable individual tracking of operation. Since the truck can only be operated using a registered ID key, it also serves as an effective means of theft prevention.

**Rear Assist Grip with Horn Button Supports Easy Reverse Traveling (optional)**
Grasping the rear assist grip helps to stabilize the operator’s posture while traveling in reverse. And the horn switch on the grip enables the operator to use the horn easily.
Large color monitor provides the truck status at a glance

The large, user-friendly color monitor enables accurate and smooth operation. Checking the truck speed, battery discharge, and other essential information is easy and at a glance. Function keys facilitate easy setup of travel or lifting modes and travel speed limit.

- Hour meter (SMR) integration state
- Parking brake indication
- Load handling interlock indication
- Travel interlock indication
- Load handling power mode
- Travel power mode
- Clock / Hour meter (SMR) / Travel distance (Odometer) indication / Caution symbol
- Travel speed
- Directional lever position / Action level monitor
- Battery discharge indicator (BDI)
- Average power consumption *
- Instantaneous power consumption (ECO gauge) *
- Guidance icon
- Function button

*Available on truck with KOMTRAX

**Consumed Electric Power Record**

(Available on truck with KOMTRAX)

You can check the electric power consumption for either the last 12 hours or the last 7 days of operation.

**Average Power Consumption / Instantaneous Power Consumption (ECO gauge)**

(Available on truck with KOMTRAX)

Power consumption indication shows average electric power consumption for that day.

Instantaneous power consumption (ECO gauge) shows average electric power consumption for the last three seconds to guide for energy saving operation.

**Machine Location Information**

Grasping machine location information allows machine operation management.

**Machine Operation Information**

Grasping details of machine operation information on a daily basis makes it possible to understand power consumptions and running costs.

**Operation Report**

Monthly and annual operation records provided by KOMTRAX are useful information for the customer.

Komatsu Machine Tracking System

KOMTRAX* sends machine information via mobile phone network and stores them in a Komatsu server. It allows you to analyze the machine utilization, grasp the power consumption, schedule the maintenance, and more. KOMTRAX helps you to keep your machine operating at a peak performance and reduces your operating costs.

* KOMTRAX is available for limited countries and regions.
Please check with Komatsu representatives for availability of KOMTRAX in your area.
**SPECIFICATIONS AND EQUIPMENT**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>FB25-12</th>
<th>FB30-12</th>
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</thead>
<tbody>
<tr>
<td>Pallet Width (mm)</td>
<td>1200</td>
<td>1200</td>
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<tr>
<td>Model Manufacturer's Designation</td>
<td>FB25-12</td>
<td>FB30-12</td>
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<tr>
<td>Load Capacity (kg)</td>
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<td>3000</td>
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<tr>
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<td>Load Center Rear (mm)</td>
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<td>Load Distance (mm)</td>
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<td>28 x 9-15-14PR</td>
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<td>Forks (mm)</td>
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<td>Fork Carriage Dimensions (mm)</td>
<td>1020</td>
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<td>Ground Clearance (mm)</td>
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<td>Center of Wheelbase (mm)</td>
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<td>Turning Radius (mm)</td>
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<td>Max. Gearability (Loaded km/h)</td>
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### DIMENSIONS

<table>
<thead>
<tr>
<th>Model</th>
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<tbody>
<tr>
<td>Length of Forklift (mm)</td>
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<tr>
<td>Overall Height (mm)</td>
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<td>500</td>
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<tr>
<td>Width (mm)</td>
<td>1070</td>
<td>1070</td>
</tr>
<tr>
<td>Height of Mast (mm)</td>
<td>1150</td>
<td>1150</td>
</tr>
<tr>
<td>Mast Tilt Gauge (mm)</td>
<td>74</td>
<td>74</td>
</tr>
</tbody>
</table>

### LOAD CAPACITY CURVE

- **Max. travel speed limit**: 8.0 km/h
- **Overspeed alarm**: Standard
- **Combination switch (turn signal & headlamp switch)**: Standard
- **Standard brake pedal**: Standard
- **Forward travel chime**: Optional
- **Tire**: 1070 mm
- **Battery**: 72V x 55Ah
- **Tilting Angle (degrees)**: 6/11
- **Forward/Backward travel chime**: Optional
- **Seat heater**: Optional
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
- **Rear assist grip with horn button**: Optional
- **One rear working lamp, overhead guard**: Optional
- **Tire**: 1070 mm
- **Battery**: 72V x 55Ah
- **Tilting Angle (degrees)**: 6/11
- **Forward/Backward travel chime**: Optional
- **Seat heater**: Optional
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
- **Rear assist grip with horn button**: Optional
- **One rear working lamp, overhead guard**: Optional
- **Tire**: 1070 mm
- **Battery**: 72V x 55Ah
- **Tilting Angle (degrees)**: 6/11
- **Forward/Backward travel chime**: Optional
- **Seat heater**: Optional
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
- **Rear assist grip with horn button**: Optional
- **One rear working lamp, overhead guard**: Optional

### OPTIONAL EQUIPMENT

- **Canvas cab**: Standard
- **Front glass with wiper**: Standard
- **Seat heater**: Standard
- **Tilt cylinder boots**: Standard
- **ID key**: Standard
- **Two front working lamps, fender mounted**: Optional
- **One rear working lamp, overhead guard mounted**: Optional
- **LED flash beacon (yellow), overhead guard mounted**: Optional
- **Headlamps & rear combination lamps with LED**: Optional
- **Two front working lamps with LED, fender mounted**: Optional
- **One rear working lamp with LED, overhead guard mounted**: Optional
- **Forward travel chime**: Optional
- **Back up buzzer with volume adjust**: Optional
- **Rear view mirror (pair)**: Optional
- **Mast tilt gauge**: Optional
- **Rear assist grip with horn button**: Optional
- **Pressure regulator valve**: Optional
- **Battery sling jig**: Optional
- **Tire**: 1070 mm
- **Battery**: 72V x 55Ah
- **Tilting Angle (degrees)**: 6/11
- **Forward/Backward travel chime**: Optional
- **Seat heater**: Optional
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
- **Rear assist grip with horn button**: Optional
- **One rear working lamp, overhead guard**: Optional
- **Tire**: 1070 mm
- **Battery**: 72V x 55Ah
- **Tilting Angle (degrees)**: 6/11
- **Forward/Backward travel chime**: Optional
- **Seat heater**: Optional
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
- **Rear assist grip with horn button**: Optional
- **One rear working lamp, overhead guard**: Optional

### ELECTRIC FORKLIFT TRUCK

**Model**: FB25-12, FB30-12

**Specifications**

- **Width of pallet (mm)**: 1200
- **Model Manufacturer's Designation**: FB25-12, FB30-12
- **Rated Capacity (kg)**: 2500, 3000
- **Load Center (mm)**: 500, 500
- **Load Distance (mm)**: 3000, 3000
- **Service Weight (kg)**: 3800, 4660
- **Tire Type**: Cushion, Elastic
- **Tire Size**: 23 x 9-10-16PR, 28 x 9-15-14PR
- **Number of Wheel**: 2x/2
- **Tread, Front (mm)**: 975, 1005
- **Tread, Rear (mm)**: 960, 980
- **Tilting Angle (degrees)**: 6/11
- **Forks (mm)**: 40 x 122 x 1070, 45 x 122 x 1070
- **Fork Carriage Dimensions (mm)**: 1020, 1060
- **Ground Clearance (mm)**: 115, 140
- **Center of Wheelbase (mm)**: 110, 145
- **Turning Radius (mm)**: 2120, 2300
- **Max. Gearability (Loaded km/h)**: 1.5

**Dimensions**

- **Length of Forklift (mm)**: 2300, 2350
- **Overall Height (mm)**: 500, 500
- **Width (mm)**: 1070, 1070
- **Height of Mast (mm)**: 1150, 1150
- **Mast Tilt Gauge (mm)**: 74, 74

**Maximum Load and Overall Height of Mast by Tilting Height**

- **2-stage free view mast** (Single tire, load center 500 kg)
- **3-stage full view mast** (Single tire, load center 500 kg)
- **4-stage full view mast** (Single tire, load center 500 kg)

**Aisle Width**

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
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<td>1070</td>
</tr>
<tr>
<td>Height of Pallet (mm)</td>
<td>1150</td>
<td>1150</td>
</tr>
</tbody>
</table>

**Load Capacity Curve**

- **Drive PM motor**: Standard
- **Pump PM motor**: Standard
- **Travel power setup**: Standard
- **EBI volume setup**: Standard
- **Load Handling power setup**: Standard
- **Lift speed setup**: Standard
- **Tilt speed setup**: Standard
- **Lift lock function**: Standard
- **Back-up buzzer**: Standard
- **Large color monitor**: Standard
- **Fully hydrostatic power steering**: Standard
- **Steering knob synchronizer function**: Standard
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
- **Rear assist grip with horn button**: Optional
- **One rear working lamp, overhead guard**: Optional
- **Battery sling jig**: Optional
- **Tire**: 1070 mm
- **Battery**: 72V x 55Ah
- **Tilting Angle (degrees)**: 6/11
- **Forward/Backward travel chime**: Optional
- **Seat heater**: Optional
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
- **Rear assist grip with horn button**: Optional
- **One rear working lamp, overhead guard**: Optional

**Performance**

- **Max. travel speed limit**: 8.0 km/h
- **Overspeed alarm**: Standard
- **Combination switch (turn signal & headlamp switch)**: Standard
- **Standard brake pedal**: Standard
- **Forward travel chime**: Optional
- **Back up buzzer with volume adjust**: Optional
- **Rear view mirror (pair)**: Optional
- **Mast tilt gauge**: Optional
- **Rear assist grip with horn button**: Optional
- **Pressure regulator valve**: Optional
- **Battery sling jig**: Optional
- **Tire**: 1070 mm
- **Battery**: 72V x 55Ah
- **Tilting Angle (degrees)**: 6/11
- **Forward/Backward travel chime**: Optional
- **Seat heater**: Optional
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
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- **One rear working lamp, overhead guard**: Optional
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- **Seat heater**: Optional
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
- **Rear assist grip with horn button**: Optional
- **One rear working lamp, overhead guard**: Optional
- **Battery sling jig**: Optional
- **Tire**: 1070 mm
- **Battery**: 72V x 55Ah
- **Tilting Angle (degrees)**: 6/11
- **Forward/Backward travel chime**: Optional
- **Seat heater**: Optional
- **Front single tire, pneumatic**: Optional
- **Rear tire, pneumatic**: Optional
- **Rear assist grip with horn button**: Optional
- **One rear working lamp, overhead guard**: Optional

**Maximum Load and Overall Height of Mast by Tilting Height**

- **2-stage free view mast** (Single tire, load center 500 kg)
- **3-stage full view mast** (Single tire, load center 500 kg)
- **4-stage full view mast** (Single tire, load center 500 kg)