CAPACITY
2500 - 3000 kg

FB25-12
FB30-12

Photos may include optional equipment.
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
- Well-sealed DT 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>
</tr>
</thead>
<tbody>
<tr>
<td>Hours</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ELECTRIC FORKLIFT TRUCK

SAFETY AND RELIABILITY

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.

Waterproof Standard

IPx4

The IP code or International Protection Rating classifies and rates the degree of protection provided against the intrusion of solid objects and water. IPx4 is protection against splashing water from all directions, therefore, the FB25/30-12 is protected against water splash from underneath chassis or hose water when washing the truck.

- The traveling interlocking function cuts off power transmission but does not serve to apply the brake.
- The interlock state is also indicated on the color monitor.

Well-sealed DT Connectors
Major electrical harnesses and controllers in the FB25/30-12 employ the DT connectors, they are also used in Komatsu construction machinery, for superior waterproofing and dustproofing ability.

Enhanced water resistance and dustproofing of controllers

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
(Previous 1800 kg)
5.0 m 2-stage free view mast, standard fork, single tire, load center 500 mm

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)

Traveling/lifting Operator Presence Sensing System
The traveling/lifting Operator Presence Sensing system allows traveling or lifting only when the operator is seated. It provides a double safety measure by requiring the operator to sit securely and return the directional lever to the neutral position before traveling.

Parking Brake with Indicator Lamp
When the operator leaves from the truck without setting the parking brake, an indicator lamp flashes and buzzer sounds intermittently. The buzzer also sounds if the operator presses the accelerator pedal while the parking brake is engaged, thereby protecting against excessive brake wear.

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.

A Brand-new Control System that Reduces Power Consumption

Electric Forklift Truck

SAFETY AND RELIABILITY

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

Water-resistant, Dustproof Motor and Controller

Well-sealed DT Connectors

Enhanced water resistance and dustproofing of controllers

Meet with IPx4 Waterproof Standard

Wider Tread Contributes to Greater Stability

Longer Wheelbase Contributes to Superb Travel Comfort

Parking Brake with Indicator Lamp

A Brand-new Control System that Reduces Power Consumption

Optimized Truck Balance

Highly Efficient PM (Permanent Magnet) Motor

Electric Forklift Truck
COMFORT AND OPERATION

Optimum performance setups

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.

Travel power setup
Lift speed setup
Tilt speed setup
Downslope travel setup
Plugging regeneration setup
Accelerator neutral regeneration setup

Comfor 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.

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.

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.
ICT (Information & Communication Technology)

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
- Click / Hour meter (SMR) / Travel distance (Odometer) indication / Caution symbol
- Travel speed
- Directional lever position / Action level monitor
- Battery discharge indicator (BDI)
- Average power consumption *1
- Instantaneous power consumption (ECO gauge) *2
- Guidance icon
- Function button

*Available on truck with KOMTRAX

Working Information Menu

Press the function button to check a wide range of information.

- Hour meter (SMR)
- Traveling hours
- Load handling hours
- Actual working hours
- Actual working hours ratio
- Electric power last charging
- Electric power accumulated
- CO2 emission accumulated

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.

- Power consumption indication

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.

Komatsu Machine Tracking System

KOMTRAX* can provide various machine information including location information, operation information and power consumption information to the customer. In addition, to offer “Ease” and “Dependability” to the customer, Komatsu supports our customers so that they can use their Komatsu machines in the best condition at all times by using KOMTRAX information and through its services network.

*KOMTRAX availability is subject to country or region.

Consumption Information Menu

Press the function button to check a wide range of information.

- Hour meter (SMR)
- Traveling hours
- Load handling hours
- Actual working hours
- Actual working hours ratio
- Electric power last charging
- Electric power accumulated
- CO2 emission accumulated

Working Information Menu

Press the function button to check a wide range of information.

- Hour meter (SMR)
- Traveling hours
- Load handling hours
- Actual working hours
- Actual working hours ratio
- Electric power last charging
- Electric power accumulated
- CO2 emission accumulated

Average Power Consumption / Instantaneous Power Consumption (ECO gauge)

(Available on truck with KOMTRAX)

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

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.

Machine Location Information

Grasping machine location information allows machine operation management.
## SPECIFICATIONS

### ELECTRIC FORKLIFT TRUCK

#### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>FB25-12</th>
<th>FB30-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Width of pallet (mm)</strong></td>
<td>900</td>
<td>900</td>
</tr>
<tr>
<td><strong>Length of pallet (mm)</strong></td>
<td>3840</td>
<td>3840</td>
</tr>
<tr>
<td><strong>Rated Capacity (kg)</strong></td>
<td>2500</td>
<td>3000</td>
</tr>
<tr>
<td><strong>Load Center (mm)</strong></td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td><strong>Height, Overall (mm)</strong></td>
<td>2700</td>
<td>2700</td>
</tr>
<tr>
<td><strong>Height, Overall (mm)</strong></td>
<td>2700</td>
<td>2700</td>
</tr>
<tr>
<td><strong>Height, Overall (mm)</strong></td>
<td>2700</td>
<td>2700</td>
</tr>
</tbody>
</table>

### PERFORMANCE

<table>
<thead>
<tr>
<th>Performance</th>
<th>FB25-12</th>
<th>FB30-12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unloaded km/h</strong></td>
<td>16.0</td>
<td>15.5</td>
</tr>
<tr>
<td><strong>Lifting Speed Loaded (mm/s)</strong></td>
<td>260</td>
<td>330</td>
</tr>
<tr>
<td><strong>Lowering Speed Loaded (mm/s)</strong></td>
<td>500</td>
<td>420</td>
</tr>
<tr>
<td><strong>Maximum Gradeability Loaded (1.5 km/h, 3 min rating) (%)</strong></td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td><strong>Max. Drawbar Pull Loaded (1.5 km/h, 3 min rating) N</strong></td>
<td>10900</td>
<td>13200</td>
</tr>
<tr>
<td><strong>Max. Gradeability (1.5 km/h, 3 min rating) (%)</strong></td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td><strong>Combination switch (turn signal lamp &amp; headlamp switch)</strong></td>
<td>Lamps with bulbs</td>
<td></td>
</tr>
<tr>
<td><strong>Back up buzzer with volume adjust</strong></td>
<td>Rear view mirror (pair)</td>
<td></td>
</tr>
<tr>
<td><strong>Forward travel chime</strong></td>
<td>ID key</td>
<td></td>
</tr>
<tr>
<td><strong>Front glass with wiper</strong></td>
<td>LED flash beacon (yellow), overhead guard mounted</td>
<td></td>
</tr>
</tbody>
</table>

### OPTIONAL EQUIPMENT

- Plastic overhead guard cover
- Halogen headlamps & rear combination lamps with bulbs
- Keypad key
- Frame single tire, pneumatic
- Rear tire, pneumatic
- Fork: 1070 mm

---

### LOAD CAPACITY CURVE

#### STANDARD EQUIPMENT

- Drive PM motor
- Pump PM motor
- Travel power setup
- EB volume setup
- Load Handling power setup
- Lift speed setup
- Tilt speed setup
- Travel/Brake/Load Handling characteristics setup
- Parking brake with release button
- Overhead guard with front / rear rain gutter
- Rear view mirror (center)
- Neutral start function
- Travel speed limiter (Torisiti function)
- Max. travel speed limit
- Overspeed alarm
- Operator presence sensing system
- Lift lock function
- Back-up buzzer
- Large color monitor
- Fully hydrostatic power steering
- Tilttable steering column
- Steering knob synchronizer function
- Standard directional lever
- Combination switch (turn signal lamp & headlamp switch)
- Standard brake pedal
- Floor mat

---

### DIMENSIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Length of pallet (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FB25-12</td>
<td>900</td>
<td>2700</td>
</tr>
<tr>
<td>FB30-12</td>
<td>900</td>
<td>2700</td>
</tr>
</tbody>
</table>

---

### MAXIMUM LOAD AND OVERALL HEIGHT OF MAST BY LIFTING HEIGHT

<table>
<thead>
<tr>
<th>Mast Height (mm)</th>
<th>Load Capacity (kg)</th>
<th>Overall Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000</td>
<td>2500</td>
<td>2700</td>
</tr>
<tr>
<td>3500</td>
<td>3000</td>
<td>2700</td>
</tr>
<tr>
<td>4000</td>
<td>3500</td>
<td>2700</td>
</tr>
<tr>
<td>4500</td>
<td>4000</td>
<td>2700</td>
</tr>
</tbody>
</table>

---

### ELECTRIC FORKLIFT TRUCK

<table>
<thead>
<tr>
<th>Model</th>
<th>Service Weight Including Min. Capacity Battery, See line 6.5 (kg)</th>
<th>Loaded Front kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>FB25-12</td>
<td>3800</td>
<td>5585</td>
</tr>
<tr>
<td>FB30-12</td>
<td>4600</td>
<td>6780</td>
</tr>
</tbody>
</table>

---

### SPECIFICATIONS AND EQUIPMENT

- **Models:**
  - FB25-12
  - FB30-12
- **Operation Type:**
  - Electric
- **Rated Capacity (kg):**
  - 2500
  - 3000
- **Load Distance (mm):**
  - 500
- **Load Center (mm):**
  - 500
- **Weight of Pallet (mm):**
  - 900
- **Wheelbase (mm):**
  - 1550
- **Service Weight Including Min. Capacity Battery, See line 6.5 (kg):**
  - 3800
  - 4660
- **Wheelbase (mm):**
  - 1650
- **Max. Travel Speed Loaded (mm/s):**
  - 260
  - 330
- **Lowering Speed Loaded (mm/s):**
  - 500
  - 420
- **Max. Gradeability Loaded (1.5 km/h, 3 min rating) (%):**
  - 16
  - 18
- **Combination switch (turn signal lamp & headlamp switch):**
  - Lamps with bulbs
- **Back up buzzer with volume adjust:**
  - Rear view mirror (pair)
- **Forward travel chime:**
  - ID key
- **Front glass with wiper:**
  - LED flash beacon (yellow), overhead guard mounted
- **Overhead guard with front / rear rain gutter:**
  - Rear view mirror (center)
- **Neutral start function:**
  - Travel speed limiter (Torisiti function)