Yale® Materials Handling Corporation has over 80 years’ global experience and strong representation at over 30 locations throughout the Asia-Pacific region. It is part of the NACCO Materials Handling Group, one of the largest producers of lift trucks worldwide.

Yale® provides a full line of high-quality, high-performance lift trucks including electric, gas, LP-gas and diesel powered lift trucks; narrow aisle, very narrow aisle and motorized hand trucks. Its long history of innovation has included introduction of the industry's first battery powered low lift platform truck, the first fluid coupling transmission and the first hypoid drive axle.

As a result, Yale® has an extensive product range from 1,000kg capacity warehouse trucks to heavy-duty internal combustion driven models that can handle up to a 16,000kg load. These products provide the muscle for over 600 end-user applications in more than 600 diverse industries.

Why work hard when you can work smart!

The new Yale FB series of battery electric lifttrucks allows you to move more pallets... using less power... in less time!
FB Series Features

About Yale

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The new Yale FB series of battery electric lift trucks allows you to move more pallets... using less power... in less time!

In a range of capacities to suit all your materials handling needs

<table>
<thead>
<tr>
<th>Model</th>
<th>FB1PYE</th>
<th>FB10PYE</th>
<th>FB20PYE</th>
<th>FB25PYE</th>
<th>FB30PYE</th>
<th>FB35PYE</th>
<th>FB40PYE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Kg</td>
<td>Kg</td>
<td>Kg</td>
<td>Kg</td>
<td>Kg</td>
<td>Kg</td>
<td>Kg</td>
</tr>
<tr>
<td>mm Load Centre</td>
<td>500</td>
<td>500</td>
<td>500</td>
<td>500</td>
<td>600</td>
<td>600</td>
<td>600</td>
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<tr>
<td>Voltage</td>
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<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
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Table Continued...

<table>
<thead>
<tr>
<th>Model</th>
<th>FB15PGYE</th>
<th>FB18PGYE</th>
<th>FB20PGYE</th>
<th>FB25PGYE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Kg</td>
<td>Kg</td>
<td>Kg</td>
<td>Kg</td>
</tr>
<tr>
<td>mm Load Centre</td>
<td>500</td>
<td>500</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>Voltage</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
</tr>
</tbody>
</table>

Table Continued...

<table>
<thead>
<tr>
<th>Model</th>
<th>FB15PGYE</th>
<th>FB18PGYE</th>
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<th>FB25PGYE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>Kg</td>
<td>Kg</td>
<td>Kg</td>
<td>Kg</td>
</tr>
<tr>
<td>mm Load Centre</td>
<td>500</td>
<td>500</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>Voltage</td>
<td>V</td>
<td>V</td>
<td>V</td>
<td>V</td>
</tr>
</tbody>
</table>

Note: FB-PGYE model features the large battery chassis.

Standard Features:
- Load backrest
- Fully adjustable seat
- Electro-hydraulic steering
- Seat mounted hydraulic controls
- Self cancelling indicators
- Headlights
- Headlight warning
  - A buzzer will sound if the headlights are left on when the key switch is turned off
- Multi function display module
- Three power modes:
  - Economy Mode
  - Power Mode
  - "My Mode"
- Auto Power-Off function
  - After a preset period, the truck will automatically turn itself off.
- Soft Landing Lift Cylinder
  - The speed of the carriage is reduced as the carriage approaches ground level. This avoids collision and unnecessary noise and heel wear to the fork.
- Weatherproofing to IP53
- Booklet holder for operator’s manual
- Storage compartment for a binder and pens

Special Features:
- (3 to 4 ton model)
  - Four power modes:
    - Economy mode
    - Power mode
    - Hyper mode
    - My mode
  - In-built “Hyper Smart” solid-state rapid charger

Options:
- On-demand power steering with synchroniser (standard on 3 to 4 ton models)
- Full suspension seat
- Individual keypad entry for the operator
- Integral sideshift
- Freezer construction
- Battery roller available on large battery chassis models
The Yale FB Series is packed full of Smarts

**Smart Driving & Load Shifting**
AC motors with smart controllers provide ideal power and torque for infinite control of traction and hydraulic functions. Faster acceleration together with the precise and rapid lifting and lowering of loads means greater productivity.

**Smart Steering**
Electro-hydraulic power steering increases steer angle and manoeuvrability. Faster manoeuvring and a smaller turning radius work together to lower work cycle times.

**Smart Stability**
Stability has been increased through the use of Drop Battery Box (DBB) for low centre gravity; extended wheelbase for greater stability; limited swing on rear axle with low profile tyres for improved road holding. Improved stability allows the full benefit of speed and manoeuvrability to be fully and safely utilised.

**Smart Energy Conservation**
High efficiency inverters and controllers ensure efficient transfer of power to the AC motors. AC technology channels power back to the battery via a highly efficient regeneration system. The battery is charged during the following activities:
- Coasting / neutral
- Braking
- Direction change
- Load lowering
It means the truck does more work while using less energy.

www.yale.com
Smart Ergonomics
The steering wheel has been made smaller and slightly shifted to the left for improved posture and reduced effort. Hydraulic levers are mounted besides the operator’s seat for ease of operation. This together with spacious footwell, comfortable seat, and new direction control switch means that fatigue levels for the operator are vastly reduced.

Smart Uptime
Servicing has been made simple. Hinged panels and a removable floor plate allow complete access to all vital components for easy inspection and replacement. A gas strut aids accessibility to the battery compartment and can be locked in place for battery charging and maintenance.

Extra Smarts
Headlight warning buzzer
Choice of power mode
Auto power-off function
Soft landing cylinder

Multi-Display Panel
LCD screen for improved visibility and ease of operation
- Hour meter (total and functional)
- Travelling speed
- Distance travelled
- Digital clock
- Warning indicators
- Battery Discharge Indicator (BDI)
- Power mode selector
# Specifications

<table>
<thead>
<tr>
<th>Chassis</th>
<th></th>
<th>Standard chassis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td><strong>FB1PYE</strong></td>
<td><strong>FB10PYE</strong></td>
</tr>
<tr>
<td>Capacity</td>
<td>1,500</td>
<td>1,750</td>
</tr>
<tr>
<td>With load center at mm</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>Lift height mm</td>
<td>3,015</td>
<td>3,015</td>
</tr>
<tr>
<td>Standard free lift m</td>
<td>145</td>
<td>145</td>
</tr>
<tr>
<td>Tilt of mast [Forward/backward] degree</td>
<td>A/B</td>
<td>6/10</td>
</tr>
<tr>
<td>Travel speed Unladen km/h</td>
<td>15.0</td>
<td>15.0</td>
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<tr>
<td>(Standard tread)</td>
<td>13.5</td>
<td>13.5</td>
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<tr>
<td>Lifting speed Unladen mm/s</td>
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<td>500</td>
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<tr>
<td>(Standard ladder)</td>
<td>340</td>
<td>330</td>
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<tr>
<td>Minimum turning radius mm</td>
<td>C</td>
<td>1,775</td>
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<tr>
<td>Equal aisle radius mm</td>
<td>D</td>
<td>1,755</td>
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<tr>
<td>Overall length mm with forks</td>
<td>E</td>
<td>3,000</td>
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<tr>
<td>Overall width mm</td>
<td>F</td>
<td>1,100</td>
</tr>
<tr>
<td>Height Canopy guard mm</td>
<td>G</td>
<td>2,090</td>
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<tr>
<td>Extended mast mm</td>
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<tr>
<td>Lowered mast mm</td>
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<td>1,995</td>
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<tr>
<td>Fork length mm</td>
<td>I</td>
<td>920</td>
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<tr>
<td>Fork spread Max. - Min. mm</td>
<td>J</td>
<td>920 - 200</td>
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<tr>
<td>Wheelbase mm</td>
<td>K</td>
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<tr>
<td>Tread Front/Rear mm</td>
<td>L</td>
<td>855/895</td>
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<tr>
<td>Ground clearance Mast mm</td>
<td>N</td>
<td>110</td>
</tr>
<tr>
<td>Unladen weight w/ battery kg</td>
<td>2,940</td>
<td>3,135</td>
</tr>
<tr>
<td>w/o battery kg</td>
<td>2,295</td>
<td>2,490</td>
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<tr>
<td>Tyre size Tyre Duel</td>
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<tr>
<td><strong>STD</strong></td>
<td>Front</td>
<td>6.00-9-10PR(I)</td>
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<td>Rear</td>
<td>5.00-8-10PR(I)</td>
<td>5.00-8-10PR(I)</td>
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<tr>
<td>Overall width mm</td>
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<td>1,255</td>
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<tr>
<td>Tread Front mm</td>
<td>J</td>
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<tr>
<td>Unladen weight w/ battery kg</td>
<td>2,345</td>
<td>2,530</td>
</tr>
</tbody>
</table>

### Electrical Components

- **Control type**
  - Drive: FET inverter
  - Hoist: FET inverter
  - Steering: FET inverter

- **Drive motor**
  - Type: IGBT chopper
  - Rated output kw: 6.5

- **Hoist motor**
  - Type: AC induction
  - Rated output kw: 8.4

- **Power steer motor**
  - Type: DC permanent magnet
  - Rated output kw: 0.9

### Battery compartment

- **W x L x H mm**
  - Minimum: 465 x 980 x 780
  - Maximum: 570 x 1028 x 780
  - 465 x 390/5
  - 465 x 440/5
  - 48 x 565/5
  - 48 x 700/5

- **Battery capacity**
  - Minimum Volt x Ah/hr: 48 x 390/5
  - Maximum Volt x Ah/hr: 48 x 700/5

Specifications are subject to change without notice.