### Dimension

- **H (Height)**
  - **Sink head**: 120 (mm)
  - **Mast head**: 80 (mm)
  - **Mast base**: 90 (mm)
  - **Ankle rail**: 95 (mm)
  - **Fork tip**: 94 (mm)

- **L (Length)**
  - **Fork**: 2,754 (mm)
  - **Mast**: 3,300 (mm)
  - **Tire**: 2,860 (mm)

- **W (Width)**
  - **Fork**: 1,610 (mm)
  - **Mast**: 1,710 (mm)
  - **Tire**: 1,610 (mm)

### Specification

#### Basic Dimensions

- **Type of operation**: Hand, Pedestrian, Standing, Seated, Order Picker
- **Drive**: Electric (Battery or Mains), Diesel, Petrol, Fuel Gas, Manual

#### Performance Data

- **Load capacity**: 3,500 (kg)
- **Load distance**: laden/unladen

#### Identification

- **Manufacturer**: HYUNDAI HEAVY INDUSTRIES CO., LTD.

#### Weights

- **Battery weight**: 30 / 26 (kg)

#### Weights

- **Track width**: rear 250-15, front 250-15
- **Wheelbase**: 2,095 (mm)

#### Identification

- **Manufacturer type designation**: 35/40/45/50B-7 AC
- **Type of drive control**: Electric (Battery or Mains), Diesel, Petrol, Fuel Gas, Manual

#### Wheelbase

- **Axle loading**: loaded front/rear
- **Service weight**: 1,780 (kg)

#### Tires

- **Tires**: Solid rubber (V), Superelastic (SE), Pneumatic (P), Polyurethane (PE)

#### Fork carriage

- **Fork carriage ISO 2328, class/ type**: A, B
- **Fork dimensions**: Overall width, Length to face of forks, Overall length

#### Fork carriage

- **Seat height/ Standing height**: 910 (mm)
- **Overhead load guard (cab) height**: 1,090 (mm)

#### PLEASE CONTACT

www.hyundai-ce.com • 2008. 06 Rev B.

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**Some of the photos may include optional equipment.**
New Criterion of Forklift Trucks

Hyundai introduces a new line of 7-series battery forklift trucks. Excellent power and performance makes your business more profitable.
Increased Mast tilting Angle
Utilizing the mast tilting angle of 6 degrees forward and 10 degrees backward, the operator can rapidly perform loading and unloading jobs safely.

Wet Disc Brake System
The wet disc brake system is virtually maintenance free and is enclosed to protect from dust and water.

Fully Hydrostatic Power Steering
A hydraulic steering system ensures smooth & precise steering which prevents kick-back.

State-of-the-art hydraulic System
The latest large-capacity hydraulic system reacts quickly during operation, and a low noise control valve increases both efficiency and durability.

Fork Safety Features
When the forks are being lowered, a down-control valve maintains the controlled speed. The down-safety valve prevents forks from dropping down in case of sudden damage of hydraulic line.

Anti-Rollback System, Faster Travel Speed & Gradeability
ZAPI’s anti-rollback system provides safe ramp operation plus exceptional ramp start capabilities. The powerful high-output motors provide greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.

High Technology ZAPI Controller Eliminate “almost noiseless”
The efficient, 8KHz (high frequency) ZAPI controller provides smooth operation and protection for low & high voltage, overheating and fault recording.

Features
- Regeneration: Direction change, Deceleration, Braking
- The new AC motors offers a of 10% greater efficiency than traditional DC motors
- Various performance models are available to maximize efficiency and equipped to work in all types of operations
- Enhanced Efficiency
- H (High) Mode, N (Normal) Mode, E (Economic) Mode
- Turtle Mode: 10km/h

The New AC Control B Series
Designed with a durable frame and built to offer excellent stability and a smooth ride, AC Control B Series trucks are real workhorses.

Superior Power & Optimal Performance
Efficient, smooth running and ergonomically designed AC control series are built to meet you needs.

Travel Speed (MAX)
<table>
<thead>
<tr>
<th>Model</th>
<th>km/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>35B-7</td>
<td>18</td>
</tr>
<tr>
<td>40B-7</td>
<td>18</td>
</tr>
<tr>
<td>45B-7</td>
<td>18</td>
</tr>
<tr>
<td>50B-7</td>
<td>18</td>
</tr>
</tbody>
</table>

Gradeability (MAX)
<table>
<thead>
<tr>
<th>Model</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>35B-7</td>
<td>32</td>
</tr>
<tr>
<td>40B-7</td>
<td>30</td>
</tr>
<tr>
<td>45B-7</td>
<td>27</td>
</tr>
<tr>
<td>50B-7</td>
<td>24</td>
</tr>
</tbody>
</table>

OPSS (Operator Presence Sensing System)
Control of mast tilting, lifting and lowering is not possible through operation of the appropriate control when the operator is not in the seat.

Some of the photos may include optional equipment.
Adjustable Steering Wheel
Steering wheel can be adjusted by a lever on the right-hand side for the most comfortable operator position.

Easy Control Direction Lever
Finger tip control of forward and reverse lever allows the operator to remain in control of equipment.

Multi-Functional Switch
Integrated multi-functional switch lever enables the driver to operate lights and horn conveniently.

Prompt Response of Operating Control Levers
Only minimal operator’s effort is required for precise, safe and productive control.

Easily Adjustable Suspension Seat
An attractive and adjustable seat, based on a human engineering design, provides greater comfort, safety and durability.

Option: Seat belt, Arm rest, Hip restraint

High visibility for safe operation
The operator is able to work with increased safety and accuracy due to a wider view.

Perfect Compartment Fit For Any Operator
An ergonomically designed operator’s compartment enables the driver to select the most comfortable working position for increased productivity.

Optimum Pedal Position & Non-slip Mat
Based on human engineering, the accelerator and brake pedals are optimally positioned for convenience while operating the equipment.

AC Control System Features
- Excellent Control Ability
- Various performance modes to meet all working conditions
- Slow rolling on ramp & ramp start
- Enhanced motor efficiency & Excellent regeneration

Self-diagnostic LCD Monitor
The LCD monitor has a back-light system to provide a clear view of the system’s operation in all environments. The monitor provides information about operator error, system fault, battery level, hour meter and selected performance mode. Other various functions include items such as self diagnostics and password activation. These features can be accessed without the need of a laptop or handset.

Console Box & Cup Holder
Additional storage spaces are located inside the operating space for operator’s convenience.

Keyboard Buttons / Performance mode
Operator can select performance mode easily according to working condition.

Comfortable Operation
A design based on human engineering relieves fatigue and increases operator’s efficiency.

Some of the photos may include optional equipment.
**High Durability & Simple Arrangement**

An ideal arrangement of component parts ensures easy access and convenience for maintenance.

- **Strong Overhead Guard**
  - The safety overhead guard exceeds EEC and ANSI regulations and protects the operator during hazardous work.

- **Parking Brake**
  - Ratchet type parking brake requires less effort from the operator to set.

- **Hand Grip & Large Footboard**
  - Wide open step and large hand grip offer convenience and safety when entering and exiting the truck.

- **Rear Safety Lamp**
  - Rear combination lamps with turn signal lamps, tail lamp and brake lights are positioned for high visibility to ensure safety.

- **High quality AC motors**
  - Enclosed motors ensuring durability. No brush and no commutator. (No arc and no spark)

- **Battery Locking System**
  - O-Ring HOSE
  - ORFS (O-Ring Face Seal)
    - ORFS type hose prevents the leaking of hydraulic oil.

**Easy Maintenance & Serviceability**

Battery change is easy with a swing-up compartment and a slotted overhead guard. Opening and closing of the battery cover is made easy with a gas-spring assisted cylinder.

- **Easy battery replacement**
  - Battery change is easy with swing-up compartment and slotted overhead guard. Opening and closing of battery cover is made easy with a gas-spring assist cylinder.

- **Hydraulic motor**

- **Battery Disconnect Lever / Switch**

- **ORFS (O-Ring Face Seal)**
  - ORFS type hose prevents the leaking of hydraulic oil.

- **Battery Locking System**

- **Steering Sensor**

- **Parking Brake**
  - Ratchet type parking brake requires less effort from the operator to set.

- **Hand Grip & Large Footboard**
  - Wide open step and large hand grip offer convenience and safety when entering and exiting the truck.

- **Rear Safety Lamp**
  - Rear combination lamps with turn signal lamps, tail lamp and brake lights are positioned for high visibility to ensure safety.

- **High visibility Headlights & Rear Work Light**

- **DC-DC Converter**
  - DC-DC converter exceeds UL & CE requirements to prevent short circuit, overload and reverse polarity.

*Photo may include optional equipment.*
### Mast Specification (35/40/45B-7)

<table>
<thead>
<tr>
<th>Mast Type</th>
<th>Overall Height (Unloaded)</th>
<th>Maximum Fork Height</th>
<th>Free Lift (mm)</th>
<th>Tilt Angle (deg)</th>
<th>Load Capacity without side shift at (500mm LC) (kg)</th>
<th>Load Capacity with side shift at (500mm LC) (kg)</th>
<th>Truck Weight (Unladen) (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>35B-7</td>
<td>2,835 - 2,840</td>
<td>1,220 x 150 x 50 / 1,370 x 150 x 50 / 1,520 x 150 x 50</td>
<td>50B-7</td>
<td>6 / 6 / 6</td>
<td>2,720 - 2,750</td>
<td>2,950 - 3,000</td>
<td>3,250 - 3,300</td>
</tr>
<tr>
<td>35B-7</td>
<td>3,105 - 3,120</td>
<td>1,220 x 150 x 50 / 1,370 x 150 x 50 / 1,520 x 150 x 50</td>
<td>50B-7</td>
<td>6 / 6 / 6</td>
<td>3,200 - 3,250</td>
<td>3,400 - 3,500</td>
<td>3,700 - 3,750</td>
</tr>
<tr>
<td>35B-7</td>
<td>3,475 - 3,480</td>
<td>1,220 x 150 x 50 / 1,370 x 150 x 50 / 1,520 x 150 x 50</td>
<td>50B-7</td>
<td>6 / 6 / 6</td>
<td>3,600 - 3,650</td>
<td>3,800 - 3,900</td>
<td>4,000 - 4,050</td>
</tr>
</tbody>
</table>

### Load Capacity

#### 35B-7

- **Weight**: 3,200 - 3,400 kg
- **Load Center(mm)**: 2,200 - 2,300

#### 40B-7

- **Weight**: 3,500 - 3,700 kg
- **Load Center(mm)**: 2,600 - 2,700

#### 45B-7

- **Weight**: 3,800 - 4,000 kg
- **Load Center(mm)**: 3,000 - 3,100

#### 50B-7

- **Weight**: 4,100 - 4,300 kg
- **Load Center(mm)**: 3,400 - 3,500

### Various Attachments

- **Side Shift**
- **Hinged Fork**
- **Hinged Bucket**
- **Rotating Fork**
- **Push Pull**
- **Rotating Rod Clamp**
- **Load Stabilizer**
- **Carton Clamp**
- **Pallet Invert**
- **Drum Clamp**
- **Waste Clamp**
- **Load Extender**
- **Fork Positioner**

### Optional Items

- **Fork IL x W x T (mm)**
  - 35B-7: 1,220 x 150 x 50 / 1,370 x 150 x 50 / 1,520 x 150 x 50
  - 40B-7: 1,540 x 150 x 50 / 1,690 x 150 x 50 / 1,840 x 150 x 50
  - 45B-7: 1,860 x 150 x 50 / 2,010 x 150 x 50 / 2,160 x 150 x 50
  - 50B-7: 2,180 x 150 x 50 / 2,330 x 150 x 50 / 2,480 x 150 x 50

- **Mast**
  - 2 Stage Limited Free Lift
  - 3 Stage Limited Free Lift

- **Overdue**
  - 1,000 / 2,000 / 2,000

- **Internal Piping**
  - Hose: Red
  - Hose: Clear

- **Beacon (Amber, Red, Blue)**
  - Rear Work Light

- **Cold Storage**
- **Tire**
  - Pneumatic, Single
  - Non-Marking, Single
  - Pneumatic, Double
  - Non-Marking, Double
- **ICE**
  - UL, EEE
  - MCV
- **4 Spool 4 Lever**