### Dimension

<table>
<thead>
<tr>
<th>Model</th>
<th>Forklift: Electric Counterbalance Forklift</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td><strong>Width</strong></td>
</tr>
<tr>
<td>35/40/45DS</td>
<td>114.3</td>
</tr>
<tr>
<td>50DA-7E</td>
<td>191.5</td>
</tr>
</tbody>
</table>

### Specification

#### 35/40/45DS/50DA-7E

<table>
<thead>
<tr>
<th>Type of Drive Control</th>
<th>Mitsubishi S6S-T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output Power (ISO)</td>
<td>92.0</td>
</tr>
<tr>
<td>Operating Speed (rpm)</td>
<td>2,300</td>
</tr>
<tr>
<td>Engine Displacement</td>
<td>4,996</td>
</tr>
<tr>
<td>Fuel Consumption (ℓ/h)</td>
<td>3.7</td>
</tr>
</tbody>
</table>

#### Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Forklift: Electric Counterbalance Forklift</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Max. Lift Capacity</strong></td>
<td>51.7</td>
</tr>
<tr>
<td><strong>Lift Height (in)</strong></td>
<td>43.3</td>
</tr>
<tr>
<td><strong>Lowered Mast Height</strong></td>
<td>4.7</td>
</tr>
<tr>
<td><strong>Free Lift</strong></td>
<td>4.7</td>
</tr>
<tr>
<td><strong>Lift Height...</strong></td>
<td>4.5</td>
</tr>
<tr>
<td><strong>Turning Radius</strong></td>
<td>183.6</td>
</tr>
<tr>
<td><strong>Smallest Pivot Point Distance</strong></td>
<td>191.5</td>
</tr>
</tbody>
</table>

#### Other Details

<table>
<thead>
<tr>
<th>Model</th>
<th>Forklift: Electric Counterbalance Forklift</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tires:</strong></td>
<td>Solid rubber, superelastic, pneumatic, polyurethane</td>
</tr>
<tr>
<td><strong>Tires Size, Front</strong></td>
<td>Φx width</td>
</tr>
<tr>
<td><strong>Tires Size, Rear</strong></td>
<td>Φx width</td>
</tr>
<tr>
<td><strong>Wheels</strong></td>
<td>Front x Rear (x=driven wheels)</td>
</tr>
<tr>
<td><strong>Track Width</strong></td>
<td>Front, Rear in</td>
</tr>
</tbody>
</table>

#### Engine

<table>
<thead>
<tr>
<th>Model</th>
<th>Forklift: Electric Counterbalance Forklift</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine Type</strong></td>
<td>Diesel</td>
</tr>
<tr>
<td><strong>Rated Power (ISO) (HP)</strong></td>
<td>88.2</td>
</tr>
<tr>
<td><strong>Rated Speed (1/min)</strong></td>
<td>30.8</td>
</tr>
<tr>
<td><strong>Fuel Consumption (ℓ/h)</strong></td>
<td>1.0</td>
</tr>
</tbody>
</table>

#### Other

<table>
<thead>
<tr>
<th>Model</th>
<th>Forklift: Electric Counterbalance Forklift</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Noise (at Driver’s Ear According to DIN 12053) db(A)</strong></td>
<td>82</td>
</tr>
</tbody>
</table>

### Notes

- **Driver's Seat:** Seated
- **Power Shift:** 35/40/45DS-7E
- **Hydraulic:** Power Shift

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North America only

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**FORKLIFT TRUCKS** Environmentally - Friendly

35/40/45DS/50DA-7E
Hyundai introduces a new line of 7E-series diesel forklift trucks. Excellent power and performance make your business more profitable.

New criterion of Forklift Trucks

Hyundai introduces a new line of 7E-series diesel forklift trucks. Excellent power and performance make your business more profitable.
Fast and stable performance
Being able to quickly raise and lower the mast, as well as tilt it forward and backward, providing the best operational conditions during unloading.

When the truck is fully loaded, mast lowering speed is carefully controlled to ensure safety by the down control valve.

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

Smooth running, efficient and ergonomically designed, 35/40/45DS/50DA-7E series are made to meet your needs.

Increased mast tilting angle
The mast tilting angle of 8 degrees forward and 10 degrees backward, the operator can safely and rapidly perform loading and unloading jobs.

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 always guarantees smooth and flexible steering, preventing overrun and kick-back.

Smooth running, efficient and ergonomically designed, 35/40/45DS/50DA-7E series are made to meet your needs.

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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 normal position (Option).
Comfortable Operation

Adjustable steering wheel
Steering wheel with horn button can be adjusted by a lever on the right-hand side for the most comfortable operator position.

Easy and safe shift lever
A single lever on the left side of the steering column gives the operator fast and easy controls of the direction.

Multi-function switch lever
Multi-functional switch lever gives easy access to lights and horn.

Quick response of operating control levers
Only minimal operator’s effort is required for precise, safe and productive control.

Ergonomically positioned pedals
Based on human engineering, the accelerator, brake and inching pedals are optimally positioned for convenience while operating the equipment.

Cup holder & console box
Additional storage spaces are located inside the operating space for operator’s convenience.

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

Ergonomically designed with the operator in mind!
A design based on human engineering relieves fatigue and increases operator’s efficiency.

Operator friendly gauges and water-resistant monitor panel

Easily adjustable suspension seat
An attractive and adjustable seat, based on a human engineering design, provides great comfort, safety and durability.

Full floating overhead guard mount
The anti-vibration rubber is installed between the guard and truck frame to reduce the source of vibration and noise while driving. This not only reduces operator’s fatigue but also increases safety.

Some of the photos may include optional equipment.
Endurance & Safety

Strong overhead guard
The safety overhead guard exceeds EEC and ANSI regulations and protects the operator during hazardous jobs.

Parking brake
Toggle type parking brake requires less effort from the operator to set.

Highly durable transmission and drive axle
Powershift transmission provides fast travel speed and quiet travel under any heavy load condition, and boosts work efficiency.

Enhanced safety through high durability!
Safety and durability are priorities in the design of the equipment.

Easy access of electrical components
Various electric parts are centralized in dash board resulting in improvement in maintenance.

Expansion bellows
The expansion bellows absorbs vibration and reduces noise generated from the exhaust gas system and also extends the life cycle of exhaust gas system.

Bright, protected headlights
Bright, protected headlights is positioned for exceptional visibility.

Strong overhead guard

Heavy duty single unit frame
Heavy duty single unit type frame, designed on the basis of accurate structural analysis, guarantees durability and safety.

Ground clearance
The engine and transmission are assembled horizontally and positioned high in the frame to protect expensive components during operation on rugged surface.

Large footboard & hand grip
Wide "open" step offers convenience and safety when entering and exiting truck.

Some of the photos may include optional equipment.

Parking brake

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Enhanced safety through high durability!

Heavy duty single unit frame

Ground clearance

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Enhanced safety through high durability!
Safety and durability are priorities in the design of the equipment.

Some of the photos may include optional equipment.
Centralized design for easy service!

An ideal arrangement of component parts ensures easy accesses and conveniences for the maintenance.

- Electrically monitored air filter
  Air cleaner sensor alerts the operator of a restricted air filter and allows replacement before damage.

- Easy maintenance oil check
  The T/M oil level can be checked easily without any disassembly.

- Brake fluid reservoir
  Highly visible, easily accessible reservoir makes for quicker daily inspections.

- An accessible, compact fuse box for easy inspection

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- Key-locking fuel cap with air vent

- Automatic self locking gas spring
  Engine compartment hood is held safely open by a self locking gas spring.

- Easy change air cleaner
  The air filter is readily accessible for cleaning or replacement (8inch Cyclone Type)

- Durability Easy Maintenance

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<table>
<thead>
<tr>
<th>Mast Type</th>
<th>Maximum Fork Height (in)</th>
<th>Free Lift Height (in)</th>
<th>Single Tire Double Tire</th>
<th>Load Capacity without side shift (246 ci-CC)</th>
<th>Load Capacity with side shift (246 ci-CC)</th>
<th>Track Weight (Unloaded) (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>35DS-7E</td>
<td>108.1 108.1 108.1 108.1</td>
<td>108.1 108.1 108.1 108.1</td>
<td>48.0 48.0 48.0 48.0</td>
<td>65.7 65.7 65.7 65.7</td>
<td>65.7 65.7 65.7 65.7</td>
<td>4,410 4,410 4,410 4,410</td>
</tr>
<tr>
<td>40DS-7E</td>
<td>119.1 119.1 119.1 119.1</td>
<td>119.1 119.1 119.1 119.1</td>
<td>54.7 54.7 54.7 54.7</td>
<td>65.7 65.7 65.7 65.7</td>
<td>65.7 65.7 65.7 65.7</td>
<td>5,510 5,510 5,510 5,510</td>
</tr>
<tr>
<td>45DS-7E</td>
<td>130.1 130.1 130.1 130.1</td>
<td>130.1 130.1 130.1 130.1</td>
<td>60.7 60.7 60.7 60.7</td>
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<td>6,610 6,610 6,610 6,610</td>
</tr>
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### Mast Specification (50DA-7E)

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<td>5,510 5,510 5,510 5,510</td>
</tr>
<tr>
<td>50DA-7E</td>
<td>141.1 141.1 141.1 141.1</td>
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<td>60.7 60.7 60.7 60.7</td>
<td>65.7 65.7 65.7 65.7</td>
<td>65.7 65.7 65.7 65.7</td>
<td>6,610 6,610 6,610 6,610</td>
</tr>
</tbody>
</table>

### Load Capacity

<table>
<thead>
<tr>
<th>Mast Type</th>
<th>Load Capacity (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>35DS-7E</td>
<td>48.0 5.5 X 5.5 X 5.5</td>
</tr>
<tr>
<td>40DS-7E</td>
<td>58.5 5.5 X 5.5 X 5.5</td>
</tr>
<tr>
<td>45DS-7E</td>
<td>68.5 5.5 X 5.5 X 5.5</td>
</tr>
<tr>
<td>50DA-7E</td>
<td>78.5 5.5 X 5.5 X 5.5</td>
</tr>
</tbody>
</table>

### Various Attachments

- Side Shift
- Hinged Fork
- Hinged Bucket
- Rotating Fork
- Push Pull
- Rotating Roll Clamp
- Load Stabilizer
- Carton Clamp
- Pallet Insert
- Drum Clamp
- Bale Clamp
- Load Extender
- Fork Positioner

### Optional Items

- MCV: 3-SPDOL / 4-SPDOL / 5-SPDOL
- SEAT: ARMREST, HIP REST, SEAT BELT
- SOLID TIRE
- OVER SHOE: 18.1 / 20.0 / 22.0 / 26.0
- HOSE REEL
- OVER HEAD GUARD HEIGHT: 16.8 / 22.2
- CABIN (HEIGHT 2.43)
- CABIN: HEATER
- OPSS (TRAVEL / TRAVEL + MAST)
- INTEGRAL SHAFT TYPE CARRIAGE(4/4 )/STON