

# D100S-7 | D120S-7 | D140S-7 | D160S-7

## High-Capacity Diesel Pneumatic Tire Forklifts



Tap to zoom



- High capacity 22,000-36,000 lb. range
- Excellent-performing DL06K diesel engines
- Rugged durability
- Oil-cooled disc brakes (OCDB)
- 5-year, 10,000-hour warranty

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## Overview

High-capacity diesel pneumatic tire forklifts are built to tackle demanding applications. With the most up-to-date components, over-building for added safety and ergonomic designs throughout, these are some of the most owner-friendly forklifts available.

- Comfortable and convenient operator compartment
- Operator Sensing System (OSS)
- Great productivity
- Load-sensing hydraulic system

## Specs & Compare

## Features & Benefits

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### - Operational Enhancements <sup>10</sup>

#### - Operator Sensing System (OSS)

Should the operator leave the seat, the OSS automatically initiates these functions:

- Quickly stops all truck movement
- Locks the lift, lower and tilt functions of mast and hydraulic assemblies
- A seatbelt warning light will alert the operator to re-fasten the seat belt
- The shift selector must be in the neutral position in order to re-start the truck

#### - Bar Type Overhead Guard

The precisely designed Overhead Guard (OHG) profile has an optimized bar thickness and arrangement, providing strength and a clear view.

#### ^ **High Visibility Mast**

The forklift has hydraulic hoses and mast chains which are strategically placed to enhance forward visibility.

#### ^ **Low Profile Dash**

Greatly enhances forward view of load or while travelling.

#### ^ **Electronic Parking Brake**

Automatically applies brakes should operator leave the seat. The release is conveniently located next to the hydraulic control levers. The actual braking mechanism is mounted inside the transmission.

#### ^ **Strobe, Alarm, Mirrors**

A strobe, backup alarm, and side mirrors come standard on all models.

#### ^ **Rear Grab Bar w/ Horn Button**

Allows operator to sound the horn while holding onto the rear grab bar handle and travelling in reverse. Standard on these models.

#### ^ **Orange Seat Belt**

Orange seatbelt has a sensor to remind the operator to remain belted at any time the truck is in operation.

#### ^ **Load-Sensing Hydraulic System**

Provides better overall performance by increasing power while truck is under load.

#### ^ **3-Point Entry/Exit System**

A hand rail along mast, the seat armrest, and large anti-slip step plate enhance entry and exit.

### ^ **Advanced Ergonomics** <sup>9</sup>

#### ^ **Smaller Steering Wheel w/ Turning Knob**

Features a smaller steering wheel which means less steer fatigue.

#### ^ **Telescopic and Tilting Steering Column**

The steering column is adjustable to meet varying operator sizes.

#### ^ **Spacious Head and Legroom**

Enhanced comfort for operators of different sizes.

- Operator legroom is increased by over 30% vs. previous series

#### ^ **Recessed Tilt Cylinders**

The tilt cylinders are completely recessed under the floorplate for increased floorspace and easier entry and exit.

#### ^ **High Comfort Seat**

The seat is wide and comfortable. It is fully adjustable to fit a variety of sizes.

#### ^ **Full-Color LCD Display**

The 5 in. or 7 in. LCD monitor is bright and clear, providing good visibility outdoors to quickly and easily check truck conditions.

#### ^ **Operator Convenience Package**

Provides excellent storage for paperwork, refreshments, small tools, etc.

#### ^ **Thick Rubber Floor Mat**

Thick, fitted rubber floor mat reduces heat & noise.

#### ^ **Easy Entry & Exit**

3-Point entry and exit features make getting onto or off of the vehicle much less strenuous.

### ^ **Simplified Serviceability** <sup>6</sup>

#### ^ **Well-Positioned Maintenance Components**

- All fuse and relay access is centralized and easy to access

#### ^ **Quick Access to Key Elements**

- Battery
- Air filter
- Oil filter
- Dipstick and fluid level indicators

#### ^ **Bright & Informative LED Display**

Large, bright, and intuitive display provides truck health status quickly and easily.

#### ^ **Easy-to-Read Diagnostics**

The technician can easily diagnose truck conditions using only a cable and laptop.

#### ^ **Wide Opening Engine Cover**

Improves access to engine and maintenance components for inspection or maintenance.

#### ^ **Dual Element Air Cleaner**

This feature offers added protection to the engine's air intake, which extends engine life and reduces maintenance costs.

### ^ **Enhanced Productivity** <sup>9</sup>

#### ^ **Doosan Diesel Engines**

Doosan diesel engines are cutting-edge. Loaded with the latest technology, these engines are powerful, clean and quiet-running, making them some of the best diesel engines available anywhere.

#### ^ **Well-Situated Hydraulic Levers**

No need to reach or hold the arm in an unnatural position, reduces operator fatigue.

#### ▲ **Electronic Inching Pedal System Design**

Our newly designed electronic inching pedal offers the operator these features:

- Less pedal effort is required to depress the pedal
- The electronic system means that there is no inching cable or associated costs for maintenance or replacement
- This system is much more responsive than traditional cable inching
- Allows for much less operator fatigue

#### ▲ **LED Combination Lamps**

These are much brighter and longer lasting than traditional bulbs, providing a better view in low light applications.

#### ▲ **Transmission Control Unit (TCU)**

The TCU monitors and optimizes braking assuring you a more productive vehicle.

#### ▲ **Vehicle Control Unit (VCU)**

The VCU monitors all aspects of the truck and makes adjustments based on operator input and operating conditions.

- Engine and transmission functions
- Guardian stability system
- Alarms and warnings
- Vehicle displays and service conditions
- Braking

#### ▲ **Shift ProTek Hot Shift Protection**

Shift ProTek limits directional changes to under 5 mph, allowing for shift-on-the-fly and making quick shuttle applications a breeze. The market-proven Shift ProTek transmission precisely modulates clutch oil pressure for smooth forward and reverse directional changes. Shift on the go without damage to the transmission.

#### ▲ **Mast Tilt Indicator**

This option displays the tilt angle of the mast for easier reference when entering or placing a load.

#### ▲ **Modular or Full Cabin**

Introducing a new level of cabin comfort, these standard or optional cabins feature:

- Full floating for less vibration and improved comfort
- Cushioned for quiet comfort
- LED combination lamps for additional illumination in low light conditions
- Tilting roof & sun visor
- Curved, one-piece front glass
- High-performance double wiper arm
- Air conditioner and heater (optional)
- Internal/external air circulation control
- Cabin air filter to help reduce dust inflow
- Expanded glass panel for improved visibility

### ▲ **Lower Cost of Ownership** <sup>1</sup>

#### ▲ **Eco Mode**

These fuel-efficient engines allow the user to choose from either Standard Mode or Eco Mode. Eco Mode saves on fuel costs.

### ▲ **Durable Reliability** <sup>8</sup>

#### ▲ **Doosan Diesel Engines**

Featuring the latest in advanced technology, these diesel engines set the pace. Power when you need it, clean burning, and reliable, these engines are among the best in the material handling world.

#### ▲ **Oil Cooled Disc Brakes (OCDB)**

This best-in-class brake system comes with a 5-Year or 10,000 working hour warranty.

- Discs are submerged in oil, keeping them cool and limiting wear
- 100% of friction material is used for superior stopping power
- OCDB are more easily serviced in the field than traditional brakes
- System is sealed for maximum protection against contamination

#### ▲ **Super Duty Cooling System**

The integrated super duty cooling system offers the outstanding heat reduction of heavy-duty radiators without the added costs.

- Dual-module radiator allows truck to run much cooler
- Transmission oil flow increased by 60%
- A newly designed heavy-duty fan increases airflow
- Counterweight design increases airflow efficiency
- Steel, lumber, stone, tile, or recycling: even the most grueling applications are covered by the advanced cooling system

#### ▲ **Robust Hydrostatic Steer Axle**

- No mechanical connections between the steering wheel and steer axle
- Fewer moving parts mean fewer things that could fail, assuring maximum run-time.
- Low-effort steering for operator comfort and reduced fatigue
- Quick steering response for increased maneuverability
- Grease fittings on kingpin and steer linkage for easy maintenance
- Shock-absorbing steer axle bushings extend the service life of the unit

#### ▲ **Superior Components vs. Competitive Models**

The steer axle assembly is built with durable components which enhance product life and reduce maintenance costs.

- Larger diameter kingpins and tapered roller bearings for a stronger axle
- Tapered rollers are stronger against side impact forces

- Tapered roller bearings have an inner race to eliminate wear on the kingpin

➤ **Water Resistant Electrical Connectors**

The use of IP (Ingress Protection) rated connectors protects the electrical components from ingress of moisture and debris, assuring you that your truck will be ready to work in various climates and weather conditions.

➤ **Heavy Duty U-Joint Connection**

The U-joint helps reduce shock and vibration to the engine resulting in fewer engine problems. This configuration also improves serviceability, further lowering maintenance costs.

➤ **High-Capacity Air Cleaner**

Additional capacity of air cleaner extends engine life and reduces maintenance costs.

## Related Models



**DV250S-7**

Max Load Capacity

[View Model >](#)

55000 lb

**DV180S-7**

Max Load Capacity

[View Model >](#)

40000 lb

**D160S-7**

Max Load Capacity

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**WARNING:** This product can expose you to chemicals including engine exhaust (including diesel engine exhaust when equipped), lead and lead compounds, mineral oils, soots, phthalates, and carbon monoxide which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors.