



DV 250S-7

Doosan 7.6litre diesel engine, 295PS
Operational Weight : 25,000kg



Doosan Industrial Vehicle



Welcome to Doosan

The values and philosophy that drives our future growth

Welcome to Doosan

The Doosan Way is a unique set of corporate values and philosophy that has our growth. It is a systematic management philosophy for sustaining Doosan and raising our future competitive edge. The Doosan Way consists of two key parts: the Doosan Credo and a distinctive business system.

The Doosan Credo

A resolute vision, the Doosan Credo unifies our employees worldwide, providing the direction in which we march together toward the future. Our shared aspiration is to be a global leader that provides world-class products and services that employees, customers, shareholders, and other stockholders can trust and take pride in. The Doosan Credo places the highest importance on people, integrity, innovation, and delivering value to our customers and partners.

The Efficient Business System

Our core business system is comprised of human resources, strategy execution, and financial management. Through this system, we implement our "2G Strategy" a manifestation of our conviction that our business can only grow through the growth of our people. It binds and systematizes our strategy with our people, multiplying business results. The Doosan business system supports the performance-oriented culture of Doosan and paves the way for continuous growth and development.

Doosan Industrial Vehicle

Established in 1968, Doosan Industrial Vehicle has been determined to meet customer's needs for quality materials handling supplies and services, and has become a pillar of Korean industries.

As a result of our dedication and hard work, we are the number one supplier in our domestic market, with an accumulated production volume in excess of 380,000 units.

All our machines are designed to offer simple, powerful performance as well as operator comfort and environmental friendliness that help you to get the most from your investment. As a result, we have won a number of awards:

The World Best Awards given to the most distinguished product in 2000, the Human Engineering Design Awards conferred to superior products in terms of the driver's convenience in 2005, and the Safety Awards for exceptional products that provide superior safety from the UK's Forklift Truck Association Awards.

DV 250S-7



In a nutshell...

Superb productivity – due to the use of a new generation engine and the excellent synchronisation of the drive train with the hydraulics system.

Excellent ergonomics, increased comfort and excellent all round visibility ensuring safe and pleasant working conditions.

Rugged reliability – through the use of higher performance new materials, the development of new computer-assisted structural design techniques and by intensive and systematic test programs. All combining to increase the life of vital components and reduce maintenance.

Reduced maintenance, increasing uptime and reducing operating costs.

✓ Key features

01 Well selected components and engines that deliver high torque at low rpm.
– Powerful low emission **engines** provide high torque at low revs, reduce fuel consumption, and meet current environmental requirements.

02 The trucks have **well-tested load-sensing hydraulics** that provide increased efficiency and better performance.

03 The **cabins** of our trucks are probably the best on the market, with unbeatable comfort, visibility, and ergonomics.

04 Box-type chassis and I-beam type steer axle is the strongest in the market ; providing greater lifting capacity.

05 Quick change system for different forks, coil rams or attachments. Offers unique flexibility and greater efficiency, for all load types, including steel, wood, paper, and containers.

06 Remote fan which is able to reverse for cleaning the radiator core. Fan speed is controlled by oil temperature.

A great place to work...

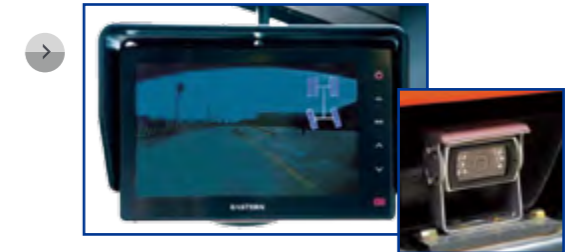


Full-suspension leather seat



← A full-suspension heated leather seat reduces operator fatigue.

Reverse rear camera & monitor



→ Superb rear vision is provided by the in-built rear camera and full colour LCD monitor.

**Available as an option*

Hydraulic control levers



The DV250 offers the latest hydraulic control levers, including the facility to add attachment control at no extra cost. The added pilot button gives the hydraulic control lever a more natural, soft feel and allows the operator more accurate control of the sideshift function.

Added safety is provided by ensuring hydraulic function is not possible if an operator departs from the seat for 3 seconds or more, or when the engine has stopped.

Front/rear & upper/lower adjustable steering wheel



The steering wheel is adjustable forward or backward, upward or downward allowing the operator to find the most comfortable position.



Comfortable & Convenient Operator Compartment

Designed to provide greater rigidity and comfort, the new Zeus Cabin offers a clear dashboard and high quality interior, along with excellent heating and cooling ability. In addition to several features intended to reduce noise and vibration, increase productivity and ease of operation, superb options, such as a rear camera and LCD screen, or onboard electronic weighing scale, means the operator has everything they need at their fingertips.



“High powered, fuel efficient performance”

Powerful and delivering excellent fuel efficiency, Doosan's DL08 electronic-controlled engine, combined with the full-automatic 3-Gear transmission, load-sensing hydraulic system and oil-cooled disc brakes (ODB) provide excellent levels of productivity, durability and value for money.



ENGINE PERFORMANCE

High Powered & Fuel Efficient Engine
The 7.6 Litre DL08 engine is one of the most powerful and fuel efficient ever produced by Doosan.

Designed to meet all Tier 3 legislation requirements for exhaust gas emissions, this 295 PS powerhouse is designed and built to rigorous standards and is already utilized in heavy duty Doosan construction equipment across the globe.

Long lasting endurance drive axle



A Kevlar disc means our long lasting drive axle is not only quieter and heat resistant, it is also more durable and resistant to harsh environments. Combined with our signature semi-permanent heat treated oil cooled disc brakes, we are able to improve component efficiency and dramatically cut the cost of maintenance.

Load detection system



By detecting the presence of the load, we are able to channel additional power to the drivetrain to ensure a smooth and efficient operation.

Not only is the system economically cost efficient, (a BOSCH-REXROTH piston pump with CCLS – Closed Center Load Sensing–technology is applied for energy saving) but it also provides greater comfort for long distance travelling. It also increases the durability of the engine and hydraulic systems.

Automatic 3-gear transmission

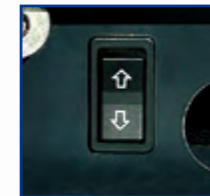


The transmission is smooth with the gear ratios optimised for heavy lifting. There are no shocks, resulting in an appreciable level of comfort for the operator. The traction force is optimum under all working conditions, thanks to CANbus information exchange technology. The combination of these characteristics enables the truck to maintain high speed under all conditions.

Greater durability and easier maintenance



Automatic tilting



Electric Tilting



Manual Tilting

Enabling clear and safe access to the key drivetrain components, the cabin will electronically tilt and lock at up to 65 degrees.

Durable Steering Axle



The use of an I-beam structured steering axle adds greater strength, whilst bearings in the steering axle increase rigidity, increases durability and truck stability.

Easy Access Steering Axle Grease Inlet



The steering axle grease-inletting hole is located in a central position, ensuring accessibility and ease of grease injection.

Large-capacity transmission oil cooler



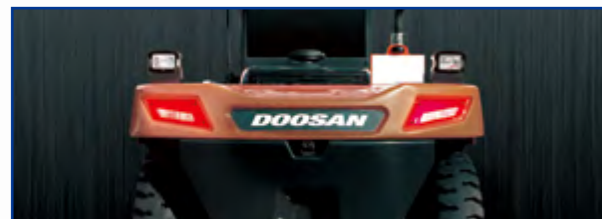
Enables the transmission system to maintain optimum temperature and operate at peak performance.

Fan drive system



Onboard sensors are able to monitor critical coolant and brake oil temperatures. When required, the fan drive system varies the fan speed, minimising energy loss and ensuring the radiator remains free of contaminants. The system also has the added benefit of being simple to check and maintain.

For your Convenience and Safety



LED brake lamp

LED side and brake lights provide greater visibility at night, as well as increased durability



Battery switch

An emergency switch interrupting the main power of the battery is provided to prevent potential damage to electronic parts during maintenance. The switch also allows the prevention of battery discharging when the machine is parked for a long period of time.

Digital LCD instrument panel



The on-board digital LCD display shows both engine rpm and transmission information. By pressing 'UP', the readout converts to the electronic scale.

**Requires Zeus cabin*

All-in-one electronic Inching & braking



A new development all-in-one pedal enables you to manoeuvre precisely while maintaining high engine revs for the hydraulic functions. The red button control means you can seamlessly regulate the speed with the brake pedal while lifting at full power.

Fully exposed safe steps



Wide open steps and anti-slip safety mats make sure convenient and safe footing during riding or leaving.

Creative positioning of air compressor



Enables optimum cooling, allowing the truck to stay at optimum levels of performance for longer.

**Available as an option*



Application of roller bearing cage type

The roller bearing mounted cage type makes sure quick transfer of fork as well as swift attaching/detaching of various attachments, in which hydraulic driving concept is incorporated to achieve the same speed in left and right forks. (dual operation of shaft type and hook on type forks)



Clear lighting

To improve visibility and efficiency in working at night the DV250S-7 comes complete with 10 working lights (6 front spotlights, 4 rear lights)



Worldwide Locations

The location and contact information of Doosan Industrial Vehicle's Global subsidiary office and R&D Center can be found.

| Country | State | Company |
|----------------|--------------|-------------------------------------------------------------|
| South Korea | Seoul | Doosan Industrial Vehicle Co., Ltd. |
| South Korea | Incheon | Doosan Industrial Vehicle Co., Ltd. |
| China | Beijing | Doosan Industrial Vehicle Yantai Co., Ltd.(Beijing Branch) |
| China | Yantai | Doosan Industrial Vehicle Yantai Co., Ltd. |
| China | Zhongshan | Doosan Industrial Vehicle Yantai Co., Ltd.(shanghai office) |
| Germany | Bersteland | Doosan Logistics Europe GmbH |
| Germany | Essen | Doosan Industrial Vehicle Europe (Germany) |
| Belgium | Sint-Niklaas | Doosan Industrial Vehicle Europe N.V. |
| United Kingdom | Northampton | Doosan Industrial Vehicle UK Ltd |
| Italy | Lissone | Doosan Industrial Vehicle Europe (Italy) |
| France | Elancourt | Doosan Industrial Vehicle Europe (France) |
| United States | OH | Doosan Industrial Vehicle America Corp. (Cleveland) |
| United States | GA | Doosan Industrial Vehicle America Corp. |

Specifications

| Main specifications | | | |
|------------------------|------------------------|--------------------------------------|--------------------------|
| 1 | Manufacturer | | DOOSAN |
| 2 | Model | | DV250S-7 |
| 3 | Capacity | At rated load center | kg 25000 |
| 4 | Load center | Distance | mm 1200 |
| 5 | Power type | Electric, diesel, LPG | Diesel |
| 6 | Operator type | Stand-on, rider-seated | Rider-seated |
| 7 | Tire | C=cushion, P=pneumatic | P |
| 8 | Wheel | Pcs (front/rear) | 4/2 |
| General specifications | | | |
| 9 | Lift with 2-stage mast | Max fork height | mm 4000 |
| 10 | | Free lift height | mm 0 |
| 11 | Fork | Thickness x Width x Length | mm 110x250x2400 |
| 12 | | Forkspacing (min - max) | mm 800-2600 |
| 13 | Tilt of mast | Forward/backward | Degree 12/10 |
| 14 | Dimensions | Length (without forks) | mm 6350 |
| 15 | | Width | mm 3050 |
| 16 | | Mast lowered height | mm 3850 |
| 17 | | Mast extended height | mm 5810 |
| 18 | | Overhead guard height (cabin height) | mm 3310 |
| 19 | | Seat height | mm 2150 |
| 20 | Outside turning radius | | mm 5950 |
| 21 | LMC | | mm 1120 |
| 22 | 90° stacking aisle | | mm 9670 |
| | 90° intersecting aisle | | mm 5460 |
| Performance | | | |
| 23 | Speeds | Travel: loaded/unloaded | km/h 23/28 |
| 24 | | Lift: loaded/unloaded | mm/s 310/340 |
| 25 | | Lowering: loaded/unloaded | mm/s 400/350 |
| 26 | Nominal drawbar pull | | kg 22240 |
| 27 | Gradeability | Loaded | %(degree) 34.6(19.1) |
| 28 | Total weight | Unloaded | kg 38150 |
| 29 | Axle load | With load (front/rear) | kg 58000/51500 |
| 30 | | Without load (front/rear) | kg 19350/18800 |
| Chassis | | | |
| 31 | | Number (front/rear) | 4/2 |
| 32 | Tire | Size: front | |
| 33 | | Size: rear | 14,00x24" -28PR |
| 34 | Wheel base | | mm 4250 |
| 35 | Tread | Front/rear | mm 2200/2140 |
| 36 | Ground clearance | Loaded (at the lowest point) | mm 290 |
| 37 | | Loaded (at the center of wheelbase) | mm 380 |
| 38 | Service Brakes | | Foot / ODB |
| 39 | Parking Brakes | | Electric / Hydraulic |
| Drive | | | |
| 40 | Battery | Voltage/current-time | V/AH 24/150 |
| 41 | Engine | Manufacturer/model | DIC/DL08(T-3) |
| 42 | | Rated output (DIN) | ps/rpm(kW) 295/2100(217) |
| 43 | | Max torque | kg · m/rpm 114/1400 |
| 44 | | Cycle/cylinders/displacement | cc 4/6/7640 |
| 45 | | Fuel tank | ℓ 400 |
| 46 | Transmission | Type | AUTOMATIC |
| 47 | | Number of speeds (forward/reverse) | 3/3 |
| 48 | Operating pressure | System/attachment | bar 230/220 |

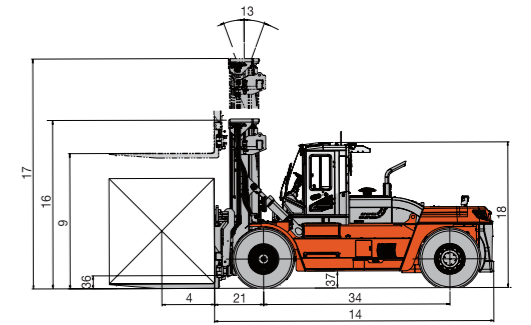
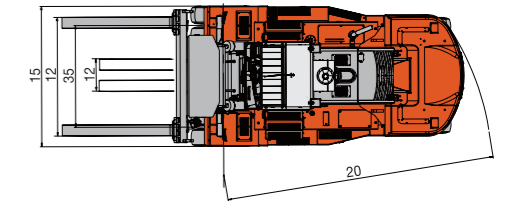
* Specifications and dimensions of vehicles may change without notice for quality improvement, and images shown in this catalog may differ with actual ones.

Mast Specifications

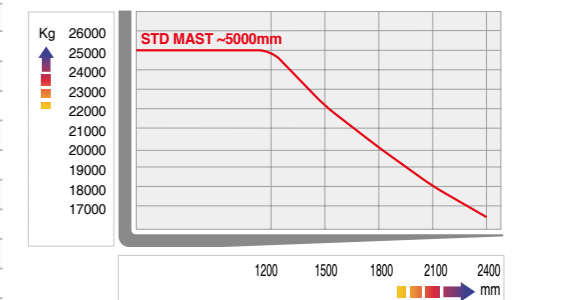
| Type of mast | Max fork lift (mm) | Fully lowered height (mm) | Fully extended height (mm) | | Free lift height (mm) | Tilt angle (degree) | Rated load capacity (Kg) | Self weight (Kg) |
|------------------|--------------------|---------------------------|----------------------------|-------|-----------------------|---------------------|--------------------------|------------------|
| | | | W/LBR | W/LBR | | | | |
| STD (SHAFT TYPE) | 3500 | 3600 | 5310 | 5310 | 0 | 12/10 | 25000 | 37600 |
| | 4000 | 3850 | 5810 | 5810 | 0 | 12/10 | 25000 | 38150 |
| | 5000 | 4350 | 6810 | 6810 | 0 | 12/10 | 25000 | 39050 |

* Other specifications excepting for STD 4000mm should be order after consultation with sales team.

Outside view



Load curve



Option availability

| Options | DV250S-7 |
|----------------------------------|----------|
| 5 Section Valve | ● |
| Tilting Operator's Cell | ● |
| Overhead Guard | ● |
| Cabin | ○ |
| Air Conditioner (only for Cabin) | ○ |
| Heater (only for Cabin) | ○ |
| Rear Red Strobe Light | ○ |
| Rear Amber Strobe Light | ○ |
| Rear Rotating Strobe Light | ○ |
| Rear View Camera & Monitor | ○ |
| Rear Flood Light | ○ |
| Steering Wheel Knob | ○ |
| Air Compressor | ○ |
| Tool | ○ |

○ : Option ● : Standard



Oil Cooled Disc Brakes
Operator Sensing System
EQUIPPED

