



D20S-9/D25S-9/D30S-9/D33S-9/D35C-9

## 9-SERIES FORKLIFTS

Pneumatic Diesel 2.0 to 3.5 ton capacity

Euro Stage V



# Leading the way

The new world class 9-Series forklifts from Doosan

The new 9-Series forklifts continue to follow the core Doosan tradition of delivering simple, powerful performance whilst most of all, delivering the best possible value for you.

“  
Higher lifting and travel speed helps me to complete my job efficiently  
”

### PRODUCTIVITY

- Efficient performance
- Optimised steering angle
- Excellent visibility



“  
The Doosan service support network has never let me down  
”

### SERVICEABILITY

- Doosan service network coverage
- Quick service response
- Easy to fix design



The specially designed ergonomic operator compartment keeps the operator in complete control at all times, improving productivity and reducing stress and fatigue. The new model offers improved visibility and the latest design in ergonomic hydraulic controls. Thanks to an improved durable design and an additional stability system, Doosan's new 9-Series exceeds the highest demands for safe operation.

Extended maintenance intervals and advanced technology components reduce the overall cost of maintenance. The new engine provides an unbeatable combination of power, performance and reliability. Each parameter is fully adjustable to match every individual requirement perfectly, providing maximum control and accuracy for every function.



“  
The robustness of the  
Doosan truck gets the  
toughest of jobs done  
”

#### SAFETY AND ERGONOMICS

- Electronic parking brake (EPB)
- Operator sensing system (OSS)
- Newly designed operator compartment
- New instrument panel



## Features overview

Keeping you happy is our main focus, and this is guaranteed by our 9-Series internal combustion forklifts. They provide great power, excellent performance, driver comfort, reliability and outstanding fuel efficiency.

### MAXIMUM PRODUCTIVITY

- Fuel efficient engine
- Multi torque mode
- ODB - Oil cooled disc brakes

### SAFETY

- Excellent visibility
- Electronic parking brake
- Reverse lock
- Outstanding stability
- LED lights

### OPTIMAL ERGONOMICS

- Spacious leg room
- Full color LCD Display
- Stepless adjustable steering column
- Low noise (75 dB)





## EXCELLENT RELIABILITY

Great cooling capacity

Waterproof connector

Full floating full cabin

New auxiliary weight design

## GREAT SERVICEABILITY

Tool-less removable side panel and floor plate

Easy to access service components

Service notification

Easy to replace the attachment hose

## Maximum Productivity



# “Boost your productivity with Doosan”



## Great productivity

The Doosan 9-Series has an excellent driving/travel speed, drawbar pull and gradeability compared to competitors. This allows you to work quickly and efficiently.

## High powered, fuel efficient engine

This G2 Doosan-built diesel engine provides high-torque at low RPM and is specially designed for industrial vehicles. It effectively improves forklift acceleration, drive and climb performance. It meets Euro Stage V with a DPF.



ECO

STD

High

## Multi torque mode

Doosan offers 3 performance engine maps. The 9-Series gives you the opportunity to select the mode that best suits your working environment.

### 1. ECO mode

Eco mode gives you the chance to save fuel by increasing the efficiency of fuel consumption. The truck's power is monitored to minimise fuel consumption caused by unnecessary acceleration.

### 2. Standard mode

In this mode, output is not controlled.

### 3. High mode

This mode is useful for heavy duty work. The output of the truck is increased. High mode is recommended for rental applications as it improves the workability of the truck.

## ODB (Oil cooled Disk Brakes)

There are 3 to 5 double sided discs per wheel. Discs are submerged in oil, keeping them cool and limiting wear. The Doosan ODB system is completely enclosed and sealed from outside contaminants protecting the inner workings of the brake system from dirt, water, shrink wrap and broken pallets. Oil cooled disc brakes have a 5 times longer service interval than conventional shoe brakes, and are virtually maintenance free.



# Safety





### Excellent visibility

The excellent visibility makes it easy for the operator to work safely and comfortably. If you opt for a cabin, the enlarged rounded glass and cowl design provide great front and upper visibility.



### Operator Sensing System (OSS)

Whenever the operator leaves the seat, the truck travel and mast lifting functions will stop. This system avoids any unintended forklift movements when the operator is not seated.



### Electronic Parking Brake (EPB)

The parking brake helps to prevent accidents. When you stop working and get off the truck, the parking brake is automatically activated.



### Outstanding stability

The new auxiliary weight increases the stability. The forklift truck vibrates less so that the life span of the parts is extended.



### Reverse lock

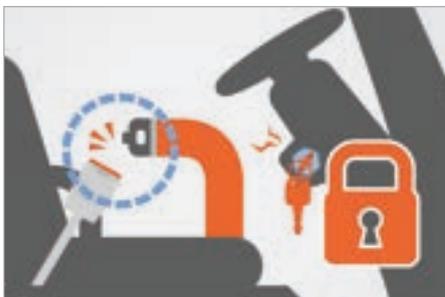
Changing from moving forward to reverse is only possible if the truck speed is below 3 km/h.



### Ground speed control

It is possible to set a speed limit, a different limit can be set up for forward and reverse.

“ Doosan takes **safety** to the **next level** ”



### Seat belt sequence interlock

The seat belt needs to be fastened when the operator is seated in order to operate the truck.



### LED lights

Brighter and longer lasting than traditional sealed beams or halogen lights.



### Large panoramic mirror **OPTION**

Provides the operator with a clear view of the rear working area, improving working safely & efficiently.

# Optimal Ergonomics





### Full color LCD display

5-inch is standard, 7-inch is optional. The bright and clear panel is very visible outdoors and keeps the operator informed about the condition of the machine.



### Anti slip step plate

Enables easy entry and exit. The wide anti slip step plate keeps the operator safe in all weather conditions.



### Convenience features

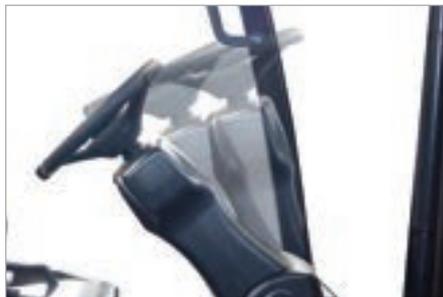
The document clip and USB port are located within reach of the operator. Other options such as a cup holder and room light are also available.



### Air conditioner and heater **OPTION**

You can work comfortably without being affected by the external environment.

- Ergonomically designed air vent layout
- Internal/external air circulation control
- Air filter to prevent dust inflow
- Air volume control (air conditioner)
- Compressor on/off control (air conditioner)



### Operator comfort

The telescopic steering column can be adjusted depending on the operator's driving posture, takes up less space and makes it easy for the operator to get in/out of the truck. The compact steering wheel makes driving the forklift more comfortable.



### Wide seat (Sears and Grammer)

The Sears & Grammer seats are very comfortable, even when working long hours.



### Spacious leg room

The knee clearance is widened and the tilt cylinder is removed from the floor plate, giving plenty of legroom.



### Low noise level

The low noise level of 75dB allows the operator to concentrate better and hear more surrounding noise.

“ Infinite adjustability, optimised controllability and exceptional reliability makes the new Doosan 9-Series, the operator's first choice. ”

## Excellent Reliability & Cost Savings



### **IP 65 connector**

The connector is rated IP65: the quality of the electronic components has been improved and reliability has been increased. This results in maximum truck availability and reduced service costs.



### **Full floating full cabin**

The full floating full cabin reduces noise and vibration to a minimum, making the parts last longer and reducing service costs. The 9-Series forklifts are very reliable and long lasting which minimises operator costs significantly.



◀ The Doosan 9-Series has a great cooling capacity. They are designed to withstand harsh environments. In addition, there are several suitable features for heavy duty applications:

- The fan speed has been increased so that the inside heat can be cooled down quickly.
- The vented side panel ensures faster cooling of the truck.



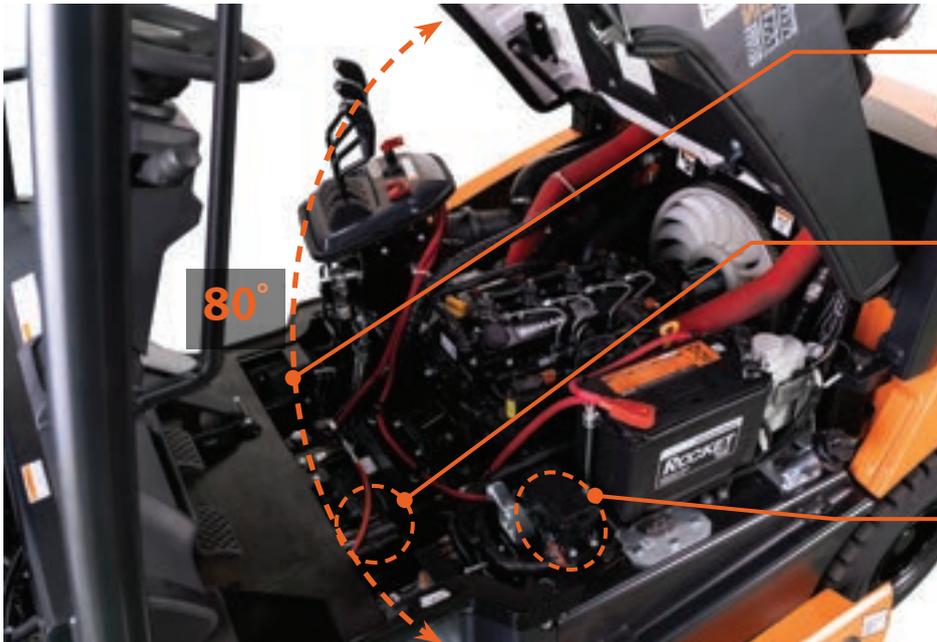
**Longer service interval**

- Engine oil: 500hr → 1,000hr
- Transmission oil: 1,000hr → 2,000hr
- Drive axle oil: 500hr → 2,000hr
- Adjusting clearance for intake & exhaust valve: 1,000hr → No adjusting (Auto)
- Tension adjusting of fan belt: 1,000hr → No adjusting (Auto)
- Bosch fuel injector

	D25S-7		D25S-9
Engine oil change		➔	
Drive axle oil change			
Transmission oil change			
Adjusting tension fan belt			
Adjusting valves			
<b>TOTAL</b>	35 service jobs	<b>-71%</b> ➔	10 service jobs
<b>(5 years, 5,000 hours)</b>	10 service visits	<b>-50%</b> ➔	5 service visits

## Great Serviceability





**Hood open angle**

The hood angle is 80° to make it more comfortable to service the truck.

**Transmission oil filter and pressure check**

The transmission oil filter and pressure check port are placed on top of the transmission for easy inspection and maintenance.

**Junction box**

The electronic components are centralised so service can be carried out quickly and easily.



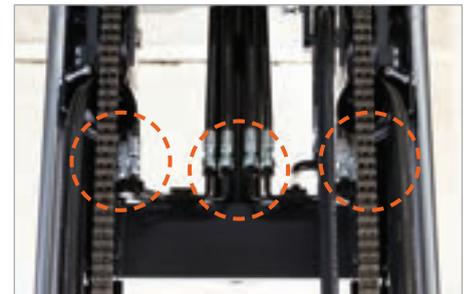
**Easy diagnosis**

Diagnosing the condition of the truck can be done with just a cable and a laptop, so that your service technician can act appropriately and service your truck as quickly as possible.



**Service notification**

Truck breakdown and consumable replacement cycles are notified on the display. Service information can be retrieved easily, which results in even quicker service.



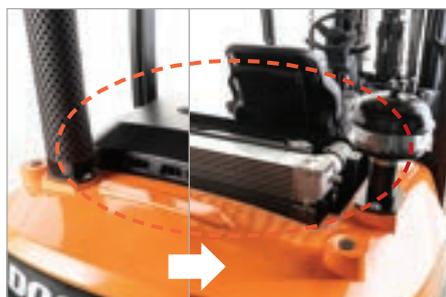
**Attachment hose**

The attachment hose of the front end can be replaced individually by separating the primary/secondary section, which reduces the costs.



**Toolless removal**

The floor plate and side panel can be easily removed without tools, which facilitates inspection and reduces service costs.



**Radiator check**

The cover on the counter weight is easy to attach and detach, making it easy to check the radiator. This maximises the uptime of your truck.



**Doosan Genuine Parts**

The parts warehouse supplies high quality Doosan parts to your local dealer.

# LIFTING YOUR DREAMS





## Main Specifications

		D20S-9	D25S-9
Load Capacity	kg	2,000	2,500
Load Center	mm	500	500
Load Distance	mm	480	480
Wheelbase	mm	1,700	1,700
Height, Mast lowered	mm	2,190	2,190
Free Lift	mm	147	147
Lift	mm	3,230	3,230
Height, Mast Extended	mm	4,490	4,490
Height of Overhead Guard	mm	2,183	2,183
Height of Seat	mm	1,026	1,026
Overall Length	mm	3,624	3,674
Length to Forkface	mm	2,574	2,625
Overall Width	mm	1,170	1,170
Turning Radius	mm	2,230	2,270

## Standard Features and Optional Extras

### SAFETY

Operator Sensing System	Standard features
Ground speed control	Standard features
LED front lights	Standard features
Auto shift controller	Standard features
Electronic parking brake	Standard features
Auxiliary weight	Standard features
Reverse lock	Standard features

### ERGONOMICS

Spacious leg room	Standard features
Excellent visibility	Standard features
Small steering wheel	Standard features
Large entry grip bar	Standard features
Anti-slip step plate	Standard features
Large rear view mirror	Standard features
USB port & document clip	Standard features
Telescopic steering column	Standard features
Modular Cabin - Type A,B,C	Optional extras
Full cabin	Optional extras
Rear grab bar with horn	Optional extras
Document clip board	Optional extras
Cup holder	Optional extras

Standard features

Optional extras

\* Remark : This list is based on factory data. Standard or optional can vary for specific countries.

D30S-9	D33S-9	D35C-9
3,000	3,250	3,500
500	500	500
485	485	495
1,700	1,700	1,700
2,180	2,180	2,180
152	152	152
3,230	3,230	3,000
4,490	4,490	4,260
2,183	2,183	2,183
1,026	1,026	1,026
3,779	3,798	3,828
2,730	2,749	2,779
1,197	1,197	1,255
2,355	2,370	2,390

### PRODUCTIVITY

High powered, fuel efficient engine	
Multi torque mode	
Emission Regulation Stage V	

### RELIABILITY

Heavy duty radiator	
Dual element air cleaner	
Pre cleaner	
High speed fan	
Vented side panel	

### SERVICEABILITY

Tool-less side Panel / floor plate	
Radiator cover on the counterweight	
Easy diagnosis	
Easy to access the components	
Service notification	



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center



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Authorized Dealer