



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.

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 exceed 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.

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

- PRODUCTIVITY**
- Efficient performance
  - Optimized 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 robustness of the Doosan truck gets the toughest of jobs done  
”

- SAFETY AND ERGONOMICS**
- Electronic parking brake (EPB)
  - Operator sensing system (OSS)
  - New 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, driving 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 stablilty
- 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 very fast and efficient.

### 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.



### 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 minimize 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.

ECO

STD

High

### 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 a 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 systems avoids any unintended forklift movements when the operator is not seated.



## Electronic Parking Brake (EPB)

The parking brake helps preventing safety accidents. When you stop working and get off the truck, the operator can activate the brake by pushing the button.



## 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 safety & 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 conditions of the machine.



### Anti slip step plate

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



### Convenience features

The document clip and USB port are located within the 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 if you have to operate the forklift for a long time.



### 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,  
optimized  
controllability  
and exceptional  
reliability  
makes the new  
Doosan  
9-Series, the  
operator's first  
choice. ”



# Excellent Reliability & Cost Savings



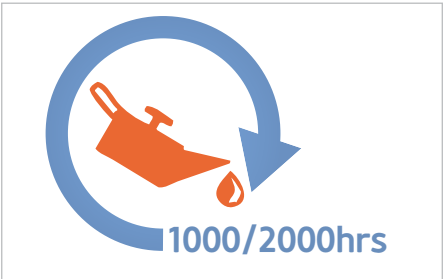
◀ The Doosan 9-Series has a great cooling capacity. They are designed to withstand harsh environments. In addition, there are several suitable features for heavy duty applications:

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



**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.



**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



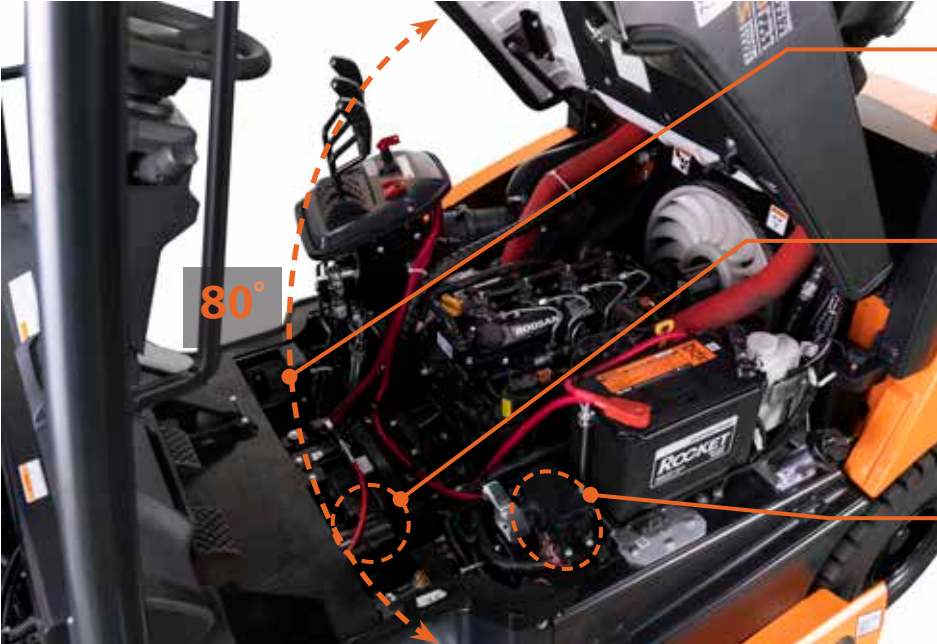
**Full floating full cabin**

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 minimizes operator costs significantly.

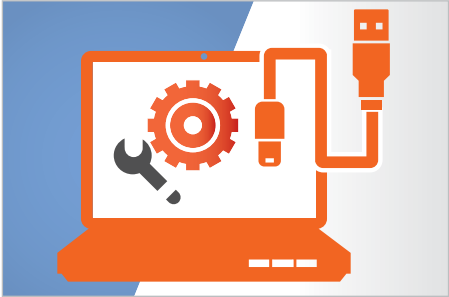
	D25S-7		D25S-9
Engine oil change			
Drive axle oil change			
Transmission oil change			
Adjusting tension fan belt			
Adjusting valves			
<b>TOTAL</b>	35 service jobs	-71%	10 service jobs
<b>(5 years, 5,000 hours)</b>	10 service visits	-50%	5 service visits



# Great Serviceability



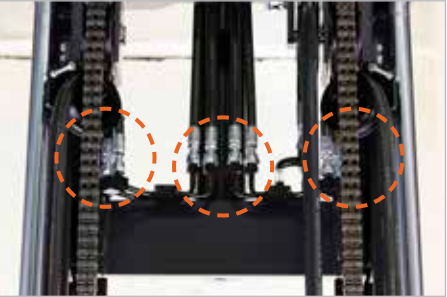
- Hood open angle**  
The hood angle is 80° to make it more comfortable to service the truck.
- Transmission oil filter and pressure check**  
The transmission oil filter and pressure check port are placed on top of the transmission for easy inspection and maintenance.
- Junction box**  
The electronic components are centralized so service can be done quick and easy.



**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.



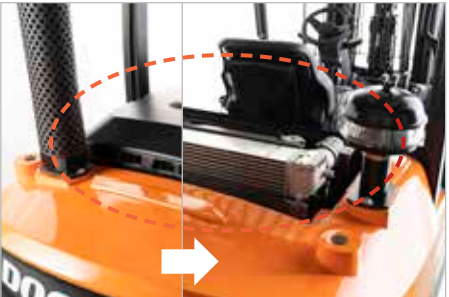
**Service notification**  
Truck breakdown and consumable replacement cycles are notified on the display. Service information can be retrieved easily, which results in even quicker service.



**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 maximizes 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

	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

## Standard Features and Optional Extras

### SAFETY

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

### ERGONOMICS

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

### 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	




Standard features

Optional extras

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





-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center



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Authorized Dealer