DOOSAN

D20S-7/D25S-7/D30S-7/D33S-7/D35C-7
G20E-7/G25E-7/G30E-7/G33E-7/G33EC-7

# 7-SERIES FORKLIFTS

## Pneumatic Diesel & LPG 2.0 to 3.5 tonne capacity

Euro Stage IIIA/Tier III/Non-certified/Euro Stage V



# Features overview

Building rugged, reliable, yet simple trucks has allowed us to become a leading provider of forklift trucks. By adding high specification features, and proven technology, we aim to increase productivity while lowering equipment lifetime costs. Our diesel forklifts are the cornerstone of our business.

## MAXIMUM PRODUCTIVITY

High powered engines

Powershift transmission

## SAFETY

Excellent visibility

Operating Sensing System

## OPTIMAL ERGONOMICS

Fingertip

Spacious operator compartment

Easy readable display

Doosan full cabin




## EXCELLENT RELIABILITY

Hydrostatic steer axle

Rigid steel engine hood

Maximised cooling capacity

Rigid drive-axle

## GREAT SERVICEABILITY

Easy to service

Easy to remove floor plate & mat



# Maximum Productivity



## 2.4 Liter LPG Engine (HMC)

This engine includes a silent timing chain that aids in the reduction of noise levels and helps to improve efficiency. An aluminium cylinder block and oil pan also help to reduce noise. Additionally, fuel efficiency is increased thanks to abrasion-resistant materials and specially designed 'beehive type/conical' valve springs.



## 3.0 Liter Diesel Engine (Yanmar)

This 3.0 liter diesel engine has been designed with advanced computer techniques to provide low noise levels and the combustion pre-chamber, BOSCH VE injection pump and injectors provide low emission characteristics. The 4TNE94L and 4TNE98 diesel engines comply with all Euro Stage IIIA emission requirements.



| | Europe | Africa | Middle East | CIS |
|---|---|---|---|---|
| D25S-7 Yanmar/4TNE98 (46 kW) | | ▲ | ▲ | |
| D25S-7 Yanmar/4TNE94L (34 kW) | | ▲ | ▲ | ▲ |
| G25E-7 HMC/G424I (NC) | | ▲ | | ▲ |
| G25E-7 HMC/G424IE (Tier III/Euro V) | ▲ | | | ▲ |

## Powershift transmission

The market-proven powershift transmission accurately modulates clutch oil pressure for smooth forward and reverse directional changes. This precision modulation prevents damage to the transmission and makes the forklift more durable.



# Safety



image can include optional equipment





## Panoramic mirror OPTION

Provides the operator with a clear view of the rear working area, contributing to safety and efficiency.




## Auto tilt levelling OPTION

By pressing a button on the tilting handle, the mast will automatically move to an upward position.



## Seat belt sequence interlock OPTION

The truck will only be operational when the seat belt is fastened and secured.




## Ground speed control (only for G25E-7 Series) OPTION

Have greater control by customising the speed limit of the truck. Varying speed limits can be applied for the forward drive and reverse drive.

## Blue safety light OPTION

Projects a blue spot on the floor to alert pedestrians.



## Excellent visibility

The neatly arranged hydraulic hoses and chains create wide-front visibility while maintaining strength and rigidity.

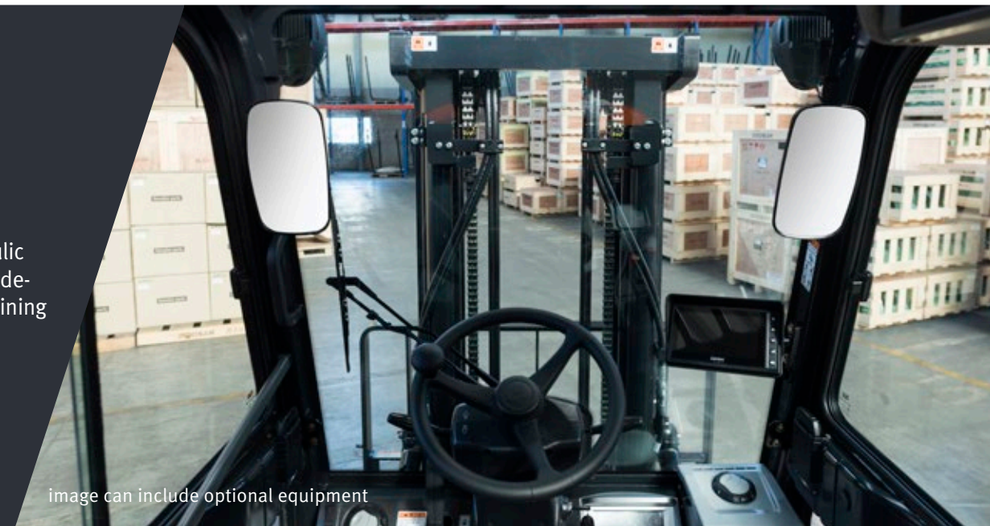


image can include optional equipment

# Optimal Ergonomics



### Easily readable display

The easily readable, integrated instrument panel provides a clear overview of the truck's status.



### Finger tip (only for D25S-7 Series) OPTION

Ergonomically designed fingertip controller ensures accurate and fine control with less fatigue and improved efficiency.

### Full cabin OPTION

The Doosan cabin provides not only great comfort to the operator but also higher productivity with ergonomically designed features.

The following modular cabins are available:

- A: steel roof with top glass window
- B: steel roof with top glass window and front windshield
- C: steel roof with top glass window, front, and rear windshield






### Optimised components location

All components such as the seat, switches, instrument panel, levers and pedals are ergonomically designed and located to provide optimal comfort to the operator.




**Steering wheel providing fore-/ backwards adjustment**

### Premium seat OPTION

Designed with a low-profile mechanical suspension that significantly reduces vibrations. It helps the operator stay comfortable, no matter how rough the day gets.

### Tilt cylinder cover

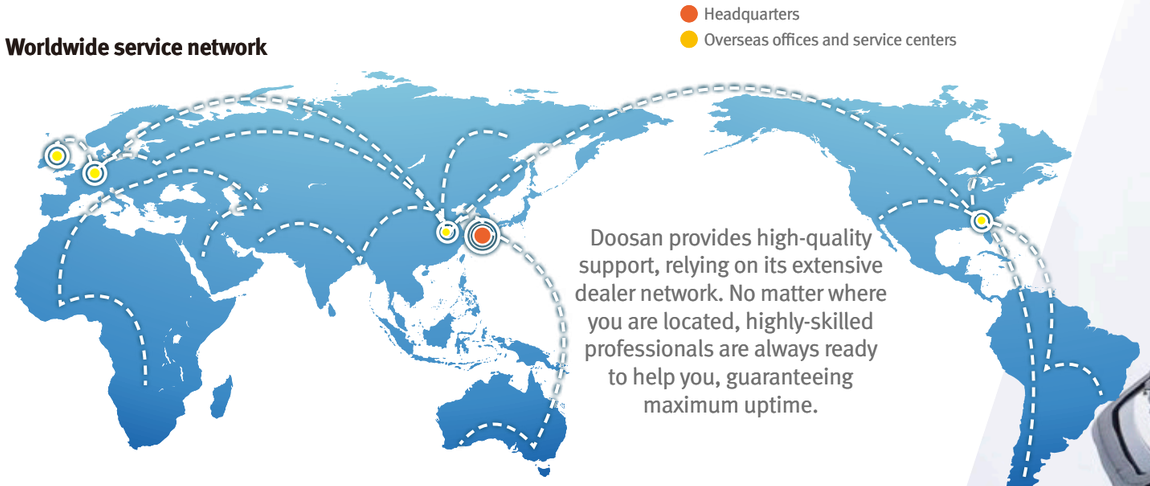
The tilt cylinders are covered neatly, to avoid any hindrance to the operator. Furthermore, the tilt cylinder cover creates additional space on the floor of the operator compartment.



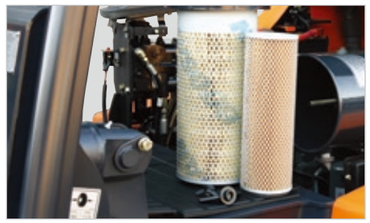
image can include optional equipment

# Excellent reliability & serviceability

## Worldwide service network




Doosan provides high-quality support, relying on its extensive dealer network. No matter where you are located, highly-skilled professionals are always ready to help you, guaranteeing maximum uptime.



### Easy to service

Optimised location to service battery, air cleaner, filters, dipstick gauges.



### Cyclone, dual elements air cleaner

The cyclone type and heavy-duty dual-element air filter cleaning system protects the engine against contamination. This extends the engine's service life and keeps the best engine condition in any environment.



### Extra engine protection

The belly plate and engine guard protect the powertrain, engine, fan blades and many components against dirt and debris. This option is precious in environments with very small waste materials (e.g. powder, iron filings, wood shavings, etc.) on the floor.

**Locking type gas spring**

**Hood open angle**

The wide-open angle makes it more convenient to service the truck.

**Easy removable floor mat and plate**

image can include optional equipment

### Oil cooled disc 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.



### Enhanced cooling system

The combination of a large capacity radiator and optimised airflow in the counterweight design enhances the reliability and the durability of the truck and increases uptime in heavy-duty applications.









# Lifting your dreams

# Main Specifications: Diesel

| | | D20S-7 | | D25S-7 | |
|---|---|---|---|---|---|
| Manufacturer | | Doosan | | Doosan | |
| Drive | | Diesel | | Diesel | |
| Engine type | | YMR/ 4TNE94L | YMR/ 4TNE98 | YMR/ 4TNE94L | YMR/ 4TNE98 |
| Engine power according to DIN ISO1585 | kW | 35.3 | 43.7 | 35.3 | 43.7 |
| Rated speed | min-1 | 2,200 | 2,300 | 2,200 | 2,300 |
| Torque at 1/min | N•m | 167 | 191 | 167 | 191 |
| Travel speed, loaded/unloaded | km/h | 18/19 | 19/19.5 | 17.5/18.5 | 19/19.5 |
| Lift speed, loaded/unloaded | mm/s | 530/550 | | 520/550 | |
| Drawbar pull, loaded (@ 1.6km/h) | kg | 1,574/1,559 | 1,769/ 1,747 | 1,569/1,569 | 1,750/1,740 |
| Gradeability, loaded(@ 1.6km/h) | % | 29.5/48.5 | 33.0/55.0 | 25.0/43.0 | 28.2/50.0 |
| Fuel tank capacity | l | 51 | | 51 | |
| Ground clearance, loaded, below mast | mm | 115 | | 115 | |
| Ground clearance, center of wheelbase | mm | 143 | | 143 | |
| Load Distance: center of driveaxle to fork | mm | 485 | 480 | 485 | 480 |
| Wheelbase | mm | 1,625 | | 1,625 | |
| Service weight | kg | 3,690 | | 4,065 | |
| Height of seat | mm | 1,026 | | 1,026 | |
| Length to forkface | mm | 2,530 | | 2,595 | |
| Overall width | mm | 1,170 | | 1,170 | |
| Turning radius | mm | 2,220 | | 2,265 | |

| | D30S-7 | | D33S-7 | | D35C-7 | | |
|---|---|---|---|---|---|---|---|
| | Doosan | | Doosan | | Doosan | | |
| | Diesel | | Diesel | | Diesel | | |
| | YMR/ 4TNE94L | YMR/ 4TNE98 | YMR/ 4TNE94L | YMR/ 4TNE98 | YMR/ 4TNE94L | YMR/ 4TNE98 | |
| | 35.3 | 43.7 | 35.3 | 43.7 | 35.3 | 43.7 | kW |
| | 2,200 | 2,300 | 2,200 | 2,300 | 2,200 | 2,300 | min-1 |
| | 167 | 191 | 167 | 191 | 167 | 191 | N•m |
| | 17/18 | 18/18.5 | 17/18 | 18/18.5 | 17/18 | 18.5/19 | km/h |
| | 500/550 | | 490/550 | 500/550 | 420/550 | 490/550 | mm/s |
| | 1,624/1,604 | 1,831/1,797 | 1,614/1,604 | 1,822/1,807 | 1,554/1,549 | 1,807/1,750 | kg |
| | 22.5/38.5 | 25.0/43.5 | 21.0/37.0 | 23.5/42.5 | 19.0/34.0 | 24.5/40.0 | % |
| | 51 | | 51 | | 51 | | l |
| | 105 | | 105 | | 105 | | mm |
| | 143 | | 143 | | 143 | | mm |
| | 485 | | 485 | | 495 | | mm |
| | 1,700 | | 1,700 | | 1,700 | | mm |
| | 4,565 | | 4,750 | | 4,810 | 4,915 | kg |
| | 1,026 | | 1,026 | | 1,026 | | mm |
| | 2,700 | | 2,730 | | 2,765 | | mm |
| | 1,197 | | 1,197 | | 1,255 | | mm |
| | 2,365 | | 2,395 | | 2,420 | | mm |

# Standard Features and Optional Extras

## SAFETY

| | |
|---|---|
| Operator Sensing System | ■ |
| Mast interlock - tilt, lift and lower | ■ |
| 2 front LED lights | ■ |
| Spark arrestor | □ |
| Autotilt levelling | □ |
| 4th lever interlock | □ |
| Safety light | □ |
| Back-up alarm | □ |
| Rear view camera | □ |

■ Standard features
□ Optional extras

## ERGONOMICS

| | |
|---|---|
| Integrated instrument panel | ■ |
| Excellent visibility | ■ |
| Anti-slip step plate | ■ |
| Adjustable steering column | ■ |
| Panoramic mirror | □ |
| Fingertip | □ |
| Premium seat | □ |
| Full cabin | □ |
| Rear grab bar with horn | □ |
| Steering wheel knob | □ |

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

## PRODUCTIVITY

| | |
|---|---|
| High powered, fuel efficient engines | ■ |
| Inching pedal | ■ |
| Pedal Location (accelerator, brake and inching) | ■ |
| Drive-in-rack overhead guard | ■ |
| Quick disconnect hose couplings | □ |

## RELIABILITY

| | |
|---|---|
| Waterproof connectors | ■ |
| Dual element air cleaner | ■ |
| Pre cleaner | □ |
| Radiator screen | □ |
| Vented side panel | □ |

## SERVICEABILITY

| | |
|---|---|
| Tool-less side panel / floor plate | ■ |
| Junction box | ■ |
| Wide hood open angle | ■ |

# Main Specifications: LPG

| | | G20E-7 | | G25E-7 | |
|---|---|---|---|---|---|
| Manufacturer | | Doosan | | Doosan | |
| Drive | | LPG | DF | LPG | DF |
| Engine type | | HMC2.4 | | HMC2.4 | |
| Engine power according to DIN ISO1585 | kW | 45.4 | | 45.4 | |
| Rated speed | min-1 | 2,600 | | 2,600 | |
| Torque at 1/min | N•m | 179 | | 179 | |
| Travel speed, loaded/unloaded | km/h | 19/20 | | 19/20 | |
| Lift speed, loaded/ unloaded | mm/s | 550/570 | | 540/570 | |
| Drawbar pull, loaded (@ 1.6km/h) | kg | 1,769 | | 1,809 | |
| Gradeability, loaded(@ 1.6km/h) | % | 33.6 | | 29.3 | |
| Fuel tank capacity | l | 51 | | 51 | |
| Ground clearance, loaded, below mast | mm | 115 | | 115 | |
| Ground clearance, center of wheelbase | mm | 143 | | 143 | |
| Load Distance: center of driveaxle to fork | mm | 480 | | 480 | |
| Wheelbase | mm | 1,625 | | 1,625 | |
| Service weight | kg | 3,585 | | 3,965 | |
| Height of seat | mm | 1,026 | | 1,026 | |
| Length to forkface | mm | 2,530 | | 2,595 | |
| Overall width | mm | 1,170 | | 1,170 | |
| Turning radius | mm | 2,220 | | 2,265 | |

| G30E-7 | | G33E-7 | G35EC-7 | |
|---|---|---|---|---|
| Doosan | | Doosan | Doosan | |
| LPG | DF | LPG | LPG | |
| HMC2.4 | | HMC2.4 | HMC2.4 | |
| 45.4 | | 45.4 | 45.4 | kW |
| 2,600 | | 2,600 | 2,600 | min-1 |
| 179 | | 179 | 179 | N•m |
| 18/19 | | 18/19 | 18/19 | km/h |
| 520/570 | | 540/590 | 530/590 | mm/s |
| 1,829 | | 1,819 | 1,759 | kg |
| 26.0 | | 24.2 | 22.0 | % |
| 51 | | 51 | 51 | l |
| 105 | | 105 | 105 | mm |
| 143 | | 143 | 143 | mm |
| 480 | | 485 | 495 | mm |
| 1,700 | | 1,700 | 1,700 | mm |
| 4,390 | | 4,565 | 4,770 | kg |
| 1,026 | | 1,026 | 1,026 | mm |
| 2,700 | | 2,730 | 2,765 | mm |
| 1,197 | | 1,197 | 1,255 | mm |
| 2,365 | | 2,395 | 2,420 | mm |

# Standard Features and Optional Extras

## SAFETY

| | |
|---|---|
| Operator Sensing System | ■ |
| Mast interlock - tilt, lift and lower | ■ |
| 2 front LED lights | ■ |
| Autotilt levelling | □ |
| 4th lever interlock | □ |
| Safety light | □ |
| Back-up alarm | □ |
| Rear view camera | □ |
| Ground speed control | □ |

■ Standard features
□ Optional extras

## ERGONOMICS

| | |
|---|---|
| Integrated instrument panel | ■ |
| Excellent visibility | ■ |
| Anti-slip step plate | ■ |
| Adjustable steering column | ■ |
| Panoramic mirror | □ |
| Fingertip | □ |
| Premium seat | □ |
| Full cabin | □ |
| Rear grab bar with horn | □ |
| Steering wheel knob | □ |

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

## PRODUCTIVITY

| | |
|---|---|
| High powered, fuel efficient engines | ■ |
| Inching pedal | ■ |
| Pedal Location (accelerator, brake and inching) | ■ |
| Drive-in-rack overhead guard | ■ |
| Quick disconnect hose couplings | □ |

## RELIABILITY

| | |
|---|---|
| Waterproof connectors | ■ |
| Dual element air cleaner | ■ |
| Pre cleaner | □ |
| Radiator screen | □ |
| Vented side panel | □ |

## SERVICEABILITY

| | |
|---|---|
| Tool-less side panel / floor plate | ■ |
| Junction box | ■ |
| Wide hood open angle | ■ |



- Production Subsidiary
- Sales Subsidiary
- Parts Depot Center

MEAD25S-7-G25E-7-221018v1EN (Oct 2022)

Authorised Dealer

DOOSAN

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