



D35S-7 / D40S-7 / D45S-7 / D50C-7 / D55C-7  
D40SC-7 / D45SC-7 / D50SC-7 / D55SC-7  
G35S-7 / G40S-7 / G45S-7 / G50C-7 / G55C-7  
G40SC-7 / G45SC-7 / G50SC-7 / G55SC-7

## 7-SERIES FORKLIFTS

**Diesel & LPG Forklifts 3.5 to 5.5 tonne capacity**

Euro Stage IIIB / Euro Stage IV



# Leading the way

The new world class Doosan 7-Series forklifts continue to follow the core Doosan tradition of delivering simple, powerful performance, whilst most of all, delivering the best possible value for our customers.

The specially designed ergonomic operator compartment keeps the operator in complete control at all times, improving productivity and reducing stress and fatigue. The 7-Series offers improved visibility and the latest design in ergonomic hydraulic controls. Thanks to an improved durable design and additional stability features, Doosan's new 7-Series trucks exceed the highest demands for a

safe operation. Extended maintenance intervals and advanced technology components reduce the overall maintenance cost. The state of the art 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.

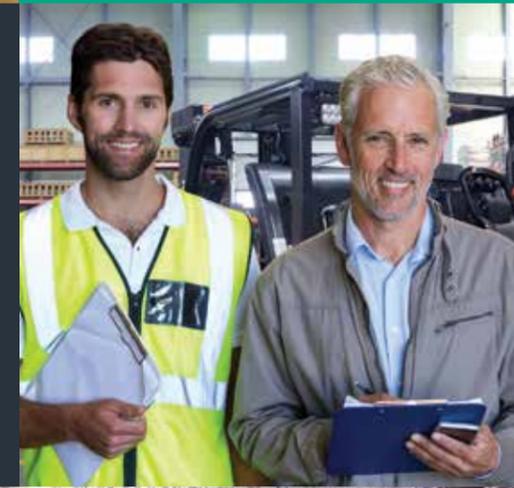
“ Higher lifting and travel speed enables me to reach optimal efficiency in my job. ”

- PRODUCTIVITY**
- Efficient performance
  - Excellent visibility
  - Reliable operation



“ 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 ensures that even the toughest of jobs gets done ”

- SAFETY AND ERGONOMICS**
- Operator Sensing System (OSS)
  - Spacious Operator Compartment
  - Easy to read Instrument Panel



## Features overview

The 7-Series internal combustion forklifts provide great power, excellent performance, enhanced safety, driving comfort, outstanding serviceability and reliability.



### MAXIMUM PRODUCTIVITY

- High visibility design
- Reliable operation
- Doosan multi-engine performance mapping system
- Market proven hydraulic system
- ODB - Oil cooled disc brakes

### ENHANCED SAFETY & EXCELLENT RELIABILITY

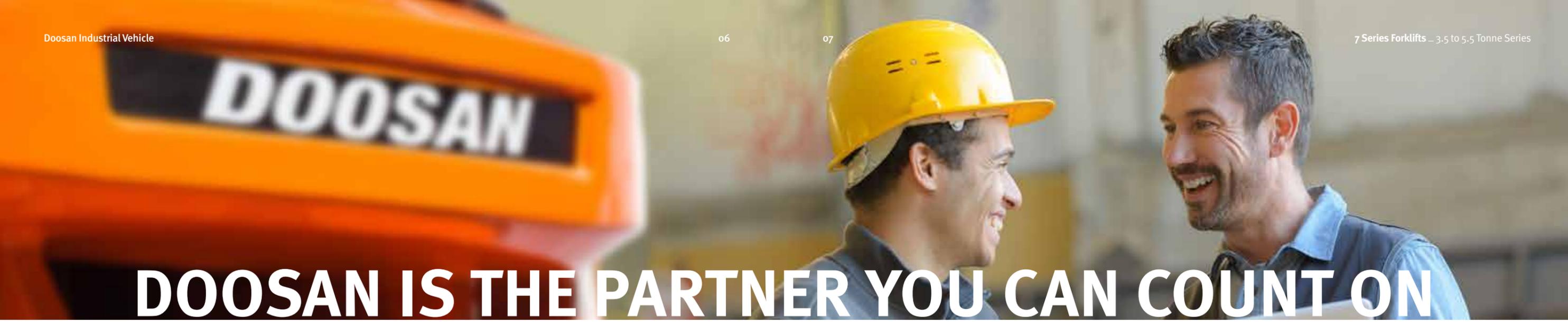
- Panoramic mirror (optional)
- LED lights (optional)
- Rear grab bar with horn (optional)
- Operation Sensing System (OSS)
- Emergency switch
- Direction lever function
- Mast lowering interlock

### OPTIMAL ERGONOMICS

- 7" color LCD display (only 74kW Diesel)
- Adjustable seat
- Adjustable steering column

### BETTER SERVICEABILITY

- Worldwide service network
- Doosan Genuine Parts
- Easy to access service components
- G2 Scan/4G Display
- Wide hood open range



**DOOSAN IS THE PARTNER YOU CAN COUNT ON**



# Maximum Productivity



# “ Boost your productivity with Doosan ”

### Doosan G2 Diesel Engine



The Doosan G2 Engine meets and exceeds all Euro Stage IIIB (55 kW) and IV (74 kW) emission regulations without a Diesel Particulate Filter (DPF). A Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) is required for the 74 kW engine. Additional maintenance such as Regeneration or Ash cleaning is not required.

### PSI 4.3L LPG Engine



The PSI 4.3L engine delivers superior performance. The integrated ECU coordinates all critical functions including: governor, variable ignition timing, air-fuel ratio control and engine protection.



### Excellent visibility

The precisely designed overhead guard profile with angled roof bars provides a clear upward view ensuring ultimate strength and safety. The excellent visibility enables you to work faster and more efficient.

### Well-tested load-sensing hydraulic system (only for Diesel engine)

All Doosan G2 models are equipped with a proven load-sensing hydraulic system which provides increased fuel efficiency and better overall performance.

### After Treatment system (only for Diesel engine)

ULPC (Ultra Low Particulate Matter Combustion): Doosan's own system which optimizes combustion characteristics.

- › Optimizing piston bowl, injector and cylinder head swirl to use air as much as possible for reducing Particulate Matter.

### Well proven and reliable Doosan G2/PSI engines and components

The powerful Doosan/PSI engine and components provides high-end torque at low engine rpm and reduced fuel consumption. The Doosan turbo charged engine and PSI engines deliver great performance and reliability.

### Less Vibration and Low Noise (only LPG engine)

The rocker arm cover and front cover are made in composite, which insulates the engine. A counter-rotating balance shaft is added. This reduces the noise and vibration.

### Doosan multi-engine performance mapping system

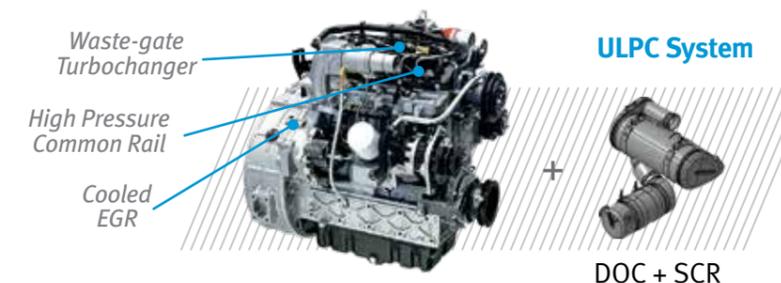
Doosan offers 2 performance engine maps, which gives you the choice between standard mode and Eco mode. Eco mode limits the engine performance but can reduce the fuel consumption by approximately 5%.

### Improved efficient fuel consumption (only LPG engine)

The friction is reduced and the fuel efficiency improved by using roller valve lifters.

### 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 features & Excellent reliability



# “Doosan takes safety to the next level”

### Safety



#### Easy Entry Grab Bar and Anti Slip Step Plate

The big anti-slip step plate makes it easy and safe to mount and dismount the truck, even in extreme weather conditions.



#### Large panoramic mirror (optional)

Provides the operator with a clear view of the rear working area, improving working safety & efficiency.



#### LED lights (optional)

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



#### 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.



#### Locking type gas spring for hood

The locking function improves the operator's safety and convenience. Thanks to this locking function there is no risk of involuntary closing the hood during periodic checks.



#### Swing out and down LPG Cradle - Single / Dual

Swing out and down LPG cradle moves the LPG tank from over the counterweight and lowers the tank on a stable platform. This makes it easier to mount and dismount the LPG tank.

### Reliability



#### Multi Engine Map : Standard Mode / Eco Mode

Doosan offers 2 performance engine maps, which gives you the choice between standard mode and Eco mode.



#### Improvement for Pedal System

The linkage type pedal makes the inching very reliable and the renewed design with anti-slip pedal improves the operator's comfort.



#### Dual Element Air Cleaner

The increased capacity of the Dual Element Air Filters makes the new 7-series more durable. The integrated MAF sensor (Mass Air Flow) provides exact monitoring.

## Optimal ergonomics



### Optimized Components Locations

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



### Easy to Read Display

All indicators are integrated. The speed meter keeps the operator informed about all the vehicle conditions quick and easy.



### Instrument Panel (only for 74kW Diesel engine)

The centralized and easy-to-read instrument panel with LED back lights maximizes operator's efficiency.



### Adjustable seat (optional)

Designed with a low-profile mechanical suspension that significantly reduces vibrations, the fully adjustable suspension seat helps to accommodate every individual preference.



### Tilt Cylinder Cover

The tilt cylinder covers protect the tilt cylinders against unexpected shocks and provides extra space for the operator.



### Adjustable steering column

The operator can change the stepless adjustable column to the best position that provides optimal convenience and comfort.



### Tilting Roof (optional)

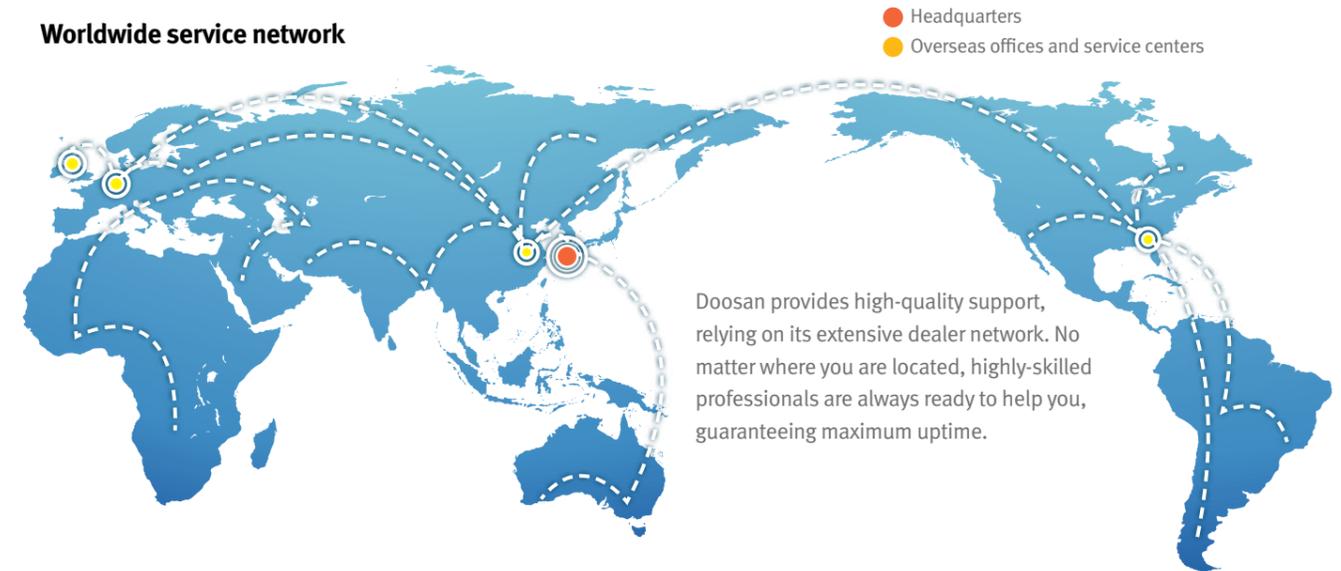
The operator can open the tilting roof for extra oxygen and to improve air circulation.

“ Infinite **adjustability**, optimized **controllability** and exceptional **reliability** makes the new Doosan 7-Series, the operator's first choice. ”

# Great 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.



## Doosan Genuine Parts

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



## Easy to access

- Integrated electrical components
- Wide hood opening range for the best accessibility
- Tool-less removable floor plate
- Easy to access internal components



## Easy to Service

- Optimized location for battery, air cleaner, filters and dipstick gauges
- Integration of fuses and relays



## G2 Scan (Diesel) / 4G Display (LPG)

The G2 Scan (for Diesel) and 4G Display (for LPG) make it possible to gather information about the forklift's engine. The various applications (such as G2, 4G and EasyView) can be loaded on one laptop.

# LIFTING YOUR DREAMS



# Main Specifications

MAJOR SPECIFICATIONS		D35S-7 G35S-7	D40S-7 G40S-7	D45S-7 G45S-7	D50C-7 G50C-7	D55C-7 G55C-7
Load Capacity	kg	3,500	4,000	4,500	5,000	5,500
Load Center	mm	600	600	600	600	600
Load Distance: Center of Driveaxle to fork	mm	560	560	560	570	570
Wheelbase	mm	2,015	2,015	2,115	2,115	2,115
Height, Mast lowered	mm	2,225	2,230	2,230	2,380	2,380
Free Lift	mm	160	160	160	170	170
Lift Height	mm	3,000	3,000	3,000	3,050	3,050
Height, Mast Extended	mm	4,265	4,270	4,420	4,470	4,470
Height of Overhead Guard(Cabin)	mm	2,225	2,230	2,230	2,230	2,230
Height of Seat	mm	1,248	1,255	1,255	1,255	1,255
Overall Length	mm	4,165	4,215	4,480	4,525	4,550
Length to Forkface	mm	3,115	3,165	3,280	3,325	3,350
Overall Width	mm	1,370	1,455	1,455	1,455	1,455
Fork Dimensions	mm	50x150x1,200	50x150x1,200	50x150x1,200	60x150x1,200	60x150x1,200

D40SC-7 G40SC-7	D45SC-7 G45SC-7	D50SC-7 G50SC-7	D55SC-7 G55SC-7	MAJOR SPECIFICATIONS	
4,000	4,500	5,000	5,500	kg	Load Capacity
500	500	500	500	mm	Load Center
560	560	560	570	mm	Load Distance: Center of Driveaxle to fork
2,015	2,015	2,115	2,115	mm	Wheelbase
2,225	2,230	2,230	2,380	mm	Height, Mast lowered
160	160	160	170	mm	Free Lift
3,000	3,000	3,000	3,050	mm	Lift Height
4,265	4,270	4,420	4,470	mm	Height, Mast Extended
2,225	2,230	2,230	2,230	mm	Height of Overhead Guard(Cabin)
1,248	1,255	1,255	1,255	mm	Height of Seat
4,165	4,215	4,480	4,525	mm	Overall Length
3,115	3,165	3,280	3,325	mm	Length to Forkface
1,370	1,455	1,455	1,455	mm	Overall Width
50x150x1,200	50x150x1,200	50x150x1,200	60x150x1,200	mm	Fork Dimensions

# Standard Features and Extras

SAFETY & STABILITY	Diesel	LPG
Direction Lever Function	Standard	Standard
Mast Lowering Interlock	Standard	Standard
Operator Sensing System	Standard	Standard
ELR Type Orange Seat Belt	Standard	Standard
Engine Shutdown	Optional	Optional
Combination Lamps (LED)	Optional	Optional
Spark Arrestor	Optional	Optional
Weight Scale	Optional	Optional
Autotilt Leveling	Optional	Optional
Autoshift Controller	Optional	Optional
Emergency Switch	Optional	Optional
Back-up Buzzer	Optional	Optional
Swing Out and Down LPG Cradle	Optional	Optional

OPERATOR COMFORT (ERGONOMICS)	Diesel	LPG
Adjustable Steering column	Standard	Standard
Integrated Instrument Panel	Standard	Standard
7" Color LCD Display (73.6kW Only)	Optional	Optional
Easy to Service	Standard	Standard
- Integrated Electric Components (Relays and Fuses)	Standard	Standard
- Tool-less Footplate	Standard	Standard
- Wide Hood Open Range	Standard	Standard
Cigar and Power Jack (12V)	Optional	Optional
Full Cabin with Heater or Air-conditioner	Optional	Optional
Rear View Camera	Optional	Optional
Suspension Seat	Optional	Optional
Sound Suppression	Optional	Optional
Mono Pedal	Optional	Optional
Steering Wheel with Knob	Optional	Optional

PRODUCTIVITY	Diesel	LPG
Electric Controlled TCI (Turbo Charged Intercooler)	Standard	Standard
Electronic controlled PSI engine	Optional	Optional
Pedal Location (Accelerator, Brake and Inching)	Optional	Optional
Inching Pedal	Optional	Optional
Rear Grab Bar (with Horn)	Optional	Optional
Heavy Duty Cooling	Optional	Optional

DURABILITY & SERVICEABILITY	Diesel	LPG
Electronic Control Units (ECU) Cover	Optional	Optional
Use waterproof connectors	Optional	Optional
Dual Element Air Cleaner	Optional	Optional
Full Floating Driveaxle (with ODB)	Optional	Optional
Precleaner	Optional	Optional

- Standard features
- Optional extras
- Not available

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



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center

Authorized Dealer



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