



## Pneumatic Forklift Trucks

D15S / D18S-5 & D20SC-5

G15S / G18S-5 & G20SC-5

D20S / D25S / D30S / D33S-5 & D35C-5

G20E / G25E / G30E-5

G20P / G25P / G30P / G33P-5 & G35C-5

1,500kg to 3,500kg Capacity

# PRO5

SERIES

# PRO5

SERIES



D15S / D18S-5 & D20SC-5  
G15S / G18S-5 & G20SC-5  
1,500kg 1,750kg 2,000kg  
Diesel, LP, Pneumatic Tire



D20S / D25S / D30S / D33S-5 & D35C-5  
G20E / G25E / G30E-5  
G20P / G25P / G30P / G33P-5 & G35C-5  
2,000kg 2,500kg 3,000kg 3,300kg 3,500kg  
Diesel, LP, Pneumatic Tire



PSC0911B2 (JUNE.2011)



Head Office : 7-11, Hwasu-Dong, Dong-Gu, Incheon, Korea.  
Seoul Office : 22nd floor, Doosan Tower Bldg, Euljiro 6-Ga  
Jung-Gu, Seoul, Korea.  
Tel : 82-2-3398-8632 Fax : 82-2-3398-8619

AUTHORIZED DEALER

Product and specifications are subject to improvement and change without notice.

At Doosan, we pride ourselves on our reputation for designing durable, dependable and operator-friendly counterbalance forklifts. Providing a well balanced mix of enhanced technology and proven components, the newly re-designed 1,500kgs to 3,500kgs Pro-5 range adheres closely to this ethos.

Improving productivity and lowering operation costs, the range introduces a number of operator comfort refinements, advanced servicing features and performance efficiencies:

- ✓ High powered and fuel efficient Diesel and LPG engines
- ✓ Virtually maintenance-free oil cooled disc brakes
- ✓ Power reversal transmission
- ✓ Lift and tilt locking hydraulic control Valve
- ✓ OSS (Operator Sensing System)
- ✓ Refined operator comfort seating area



# Boost your productivity

Our ergonomically designed and spacious operator compartment, combined with a variety of operational enhancements, facilitates easier operation, improving comfort and helping to boost productivity.



## Operator Friendly Features Include:

### ● Spacious and Well Planned Operator compartment

Ample operator leg room, tiltable steering column and ergonomically positioned operator pedals combined with a low cowl height facilitate ease of operation.

### ● Integrated Instrument Panel

The integrated instrument panel provides critical information instantly. Fuel, oil pressure, temperature and hour usage are clearly indicated, whilst additional status information on the mast interlock feature, transmission status, seat belt, and brake oil level keeps the operator fully aware of all vehicle performance systems.



### ● Convenience Package

Provides excellent storage for paperwork, refreshments, small tools, etc.



### ● Auto Tilt Leveling (Optional)

Returns the mast to the upright vertical position at the push of a button.



### ● Operator Sensing System

- ✓ Parking alarm : Alarm warning when operator leaves the seat without applying parking brake
- ✓ Seat belt indicator : 10 second warning light reminds operator to fasten seat belt.
- ✓ Neutral shift feature : Transmission is automatically shifted into neutral when the operator leaves the seat with the engine running and the direction lever in forward or reverse

### ● Rear Grab Bar with Horn (Optional)

Enables horn activation to alert surrounding personnel without the need to look away from the direction of travel.





## High Powered, Fuel Efficient Performance

All our powerful diesel and LPG engines are Tier 3 compliant for reduced emissions. These in-line, 4-cylinder, water cooled, overhead valve engines provide high torque at low engine speeds for applications requiring ramp loading and unloading, fast lift speeds, or heavy hydraulic flow requirements.

### 2.4 Litre Diesel Engine (KUBOTA)

The V2403 2.4 Litre diesel engine is well tuned and recognized for industrial applications, having high fuel efficiency, low emission and low noise. With features such as high rated power, a built-in solenoid, low fan position, and engine side serviceability, this engine offers excellent performance for Doosan forklift trucks. The V2403 also complies with all EU Stage-3A emission requirements.



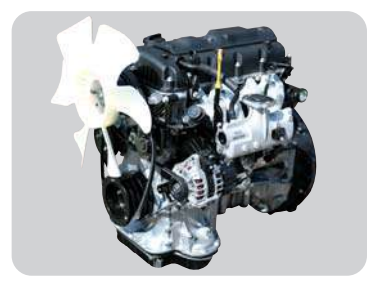
### 3.3 Litre Diesel Engine (YANMAR)

This 3.3 litre diesel engine provides excellent performance for even the toughest applications. The specially optimized engine was 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 4TNE98 diesel engine also complies with all Euro Stage-3A emission requirements.



### 2.4 Litre LPG Engine (HMC)

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



### 2.4 Litre LPG Engine (GM)

This engine provides greater torque and higher performance. The engine includes automatic valve lash adjusters which help to reduce the engine maintenance. Five main bearings provide a solid and stable support base to the crankshaft for additional durability and a longer life.



## Easy to Service, Efficient To Run



### Integrated Electric Components

Both the fuse and relay boxes are located in front of the engine to facilitate easy maintenance.



### Dual Element Air Cleaner

Heavy duty air cleaning system extends the engine service life and allows clean, cool air into the engine intake.



### Tool-less Side Cover And Footplate for Ease of Service

# A Hallmark of Durability and Reliability



*Doosan's goal is to make your material handling operation as efficient and reliable as possible by minimizing your forklifts downtime to reduce overall maintenance cost.*

## ● Oil-Cooled Disc Brakes (ODB)

Virtually maintenance-free, ODB equipment is standard on all 1,500kg~3,500kg series forklifts. The enclosed brake system eliminates outside contamination, significantly extending the brake life by up to 5 times when compared to conventional shoe brakes, and come with our exclusive extended warranty.

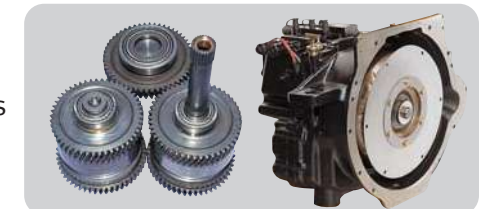


## ● Power reversal transmission

The top mounted control valve:

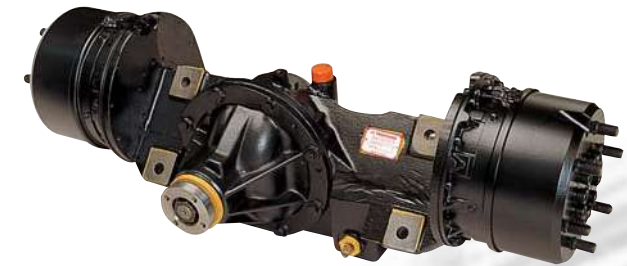
- ✓ accurately modulates clutch oil pressure
- ✓ provides smooth forward / reverse direction changes
- ✓ extends transmission life

The top located test ports are also simple to check and easy to clean.



## ● Full floating drive axle

A solid one-piece cast iron housing ensures axle components are closely aligned, whilst the high tensile alloy steel shaft extends axle life and allows high torque to be transmitted to the drive wheels.



## ● Hydrostatic steering system

- ✓ Fully hydrostatic steering
- ✓ Self-aligning taper roller bearings
- ✓ Designed to operate in contaminated environments and high impact applications
- ✓ Low effort steering and faster response



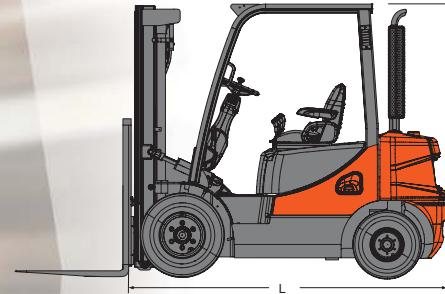
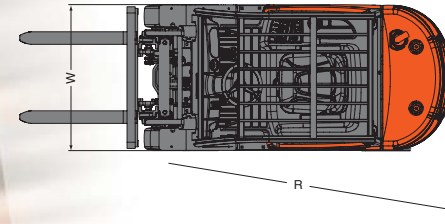
## ● Increased Cooling Capacity

Aluminum radiator provides excellent cooling capacity with improved air flow.



When you own a Doosan forklift, our high quality, responsive customer support team comes with it. The Doosan network starts with your local dealer and includes a national team of highly qualified and experienced personnel, ready to support all your material handling needs. Doosan also provides 100% parts inventory to ensure downtime is minimized and is on hand to offer technical advice and support via our local, regional and national partners.

The Doosan network starts with your local dealer and ends with a national team of highly qualified and experienced personnel standing ready to support all your material handling needs.



### Option Availability

● : Standard ○ : Optional

Options	D15/18S-5 & D20SC-5	G15/18S-5 & G20SC-5	D20/25/30/33S-5 & D35C-5	G20/25/30E-5	G20/25/30/33P-5 & G35C-5
Drive in Rack Overhead Guard	○	○	○	○	○
Oil- Cooled Disc Brakes	○	○	●	●	●
Fuel Cap with Key	○	○	○	○	○
Precleaner	○	○	○	○	○
Vertical Exhaust Tube	○	○	●	○	○
Catalytic Muffler *	○	○	○	○	○
Modular Operator Cabin	○	○	○	○	○
Radiator Screen	○	○	○	○	○
Non Marking Tire(Solid)	○	○	○	○	○
Spark Arrestor(w/o Cabin)	○	n/a	○	n/a	n/a
Mono Pad Foot Direction and Acceleration Control	○	○	○	○	○
Finger Control System	○	○	○	○	○
AutoShift (Single,Dual Tire)	○	○	○	○	○
Engine Shutdown	n/a	●	○	●	●
Swingout LP MTG	n/a	○	n/a	○	○
Swingdown LP MTG	n/a	○	n/a	○	○
Lift and Tilt locking Hydraulic Control Valve	●	●	●	●	●
Auto Tilt Leveling	○	○	○	○	○
Rear Grab Bar with Horn	○	○	○	○	○
Quad Mast	n/a	n/a	○	○	○
Hydraulic Accumulator	○	○	○	○	○
Integral Sideshifter	○	○	○	○	○
Integral Shifting Fork Positioner	○	○	○	○	○
Hook on Sideshifter	○	○	○	○	○
UL LPS,DS Rating	n/a	n/a	○	○	○

\* Catalytic muffler is standard for Tier-3 E/G only

### Main Specification

Sales Model		D15S-5	D18S-5	D20SC-5	G15S-5	G18S-5	G20SC-5
Rated Load Capacity	kg	1500	1750	2000	1500	1750	2000
Load Center	mm	500	500	500	500	500	500
Overall Length to Fork Face	L mm	2170	2215	2250	2170	2215	2250
Truck Overall Width	W mm	1070	1070	1070	1070	1070	1070
Height of Overhead Guard	H mm	2170	2170	2170	2170	2170	2170
Minimum Turning Radius	R mm	1977	2022	2050	1977	2022	2050
Travel Speed, Loaded	km/h	19	19	19	18	18	18
Lifting Speed, Loaded	mm/s	600	600	600	600	600	600
Engine Models		V2403			G424I(E)(LP, DF)		
Rated Power of Engine	kW (HP) / rpm	34.2(45.8)/2400			33.9(45.5)/2450		
Max Torque	N-m / rpm	155.9/1600			148/1600		
Displacements	cc	2434			2359		

Sales Model		D20S-5	D25S-5	D30S-5	D33S-5	D35C-5	G20E-5	G25E-5
Rated Load Capacity	kg	2000	2500	3000	3250	3500	2000	2500
Load Center	mm	500	500	500	500	500	500	500
Overall Length to Fork Face	L mm	2530	2595	2700	2730	2765	2530	2595
Truck Overall Width	W mm	1170	1170	1197	1197	1255	1170	1170
Height of Overhead Guard	H mm	2183	2183	2183	2183	2183	2183	2183
Minimum Turning Radius	R mm	2220	2265	2365	2395	2420	2220	2265
Travel Speed, Loaded	km/h	19	19	18.5	18	18.5	19	19
Lifting Speed, Loaded	mm/s	530	520	500	490	420	530	510
Engine Models		4TNE98			G424I(E)(LP, DF)			
Rated Power of Engine	kW (HP) / rpm	43.7(59)/2300			48.7(65.3)/2600			
Max Torque	N-m / rpm	181/1600			186/1900			
Displacements	cc	3319			2359			

Sales Model		G30E-5	G20P-5	G25P-5	G30P-5	G33P-5	G35C-5
Rated Load Capacity	kg	3000	2000	2500	3000	3250	3500
Load Center	mm	500	500	500	500	500	500
Overall Length to Fork Face	L mm	2700	2530	2595	2700	2730	2765
Truck Overall Width	W mm	1197	1170	1170	1197	1197	1255
Height of Overhead Guard	H mm	2183	2183	2183	2183	2183	2183
Minimum Turning Radius	R mm	2365	2220	2265	2365	2395	2420
Travel Speed, Loaded	km/h	18	19	19	18	18	18.5
Lifting Speed, Loaded	mm/s	500	530	510	500	500	420
Engine Models		G424I(E)(LP, DF)		G424F(E)(LP)			
Rated Power of Engine	kW (HP) / rpm	48.7(65.3)/2600		46.2(62)/2550			
Max Torque	N-m / rpm	186/1900		181/2200			
Displacements	cc	2359		2405			

