

**DOOSAN**

D20NXP / D25NXP / D30NXP / D33NXP / D35NXP  
G20NXP / G25NXP / G30NXP / G33NXP / G35NXP

## **NX PLUS SERIES FORKLIFTS**

**Pneumatic Diesel & LPG 2.0 to 3.5 tonne capacity**

Euro Stage V



## Features overview

The NXP Series offers excellent power, durability and high operator comfort. This entry-level model gives you all you need at a very competitive price.

### MAXIMUM PRODUCTIVITY

- Fuel-efficient engine
- Outstanding stability
- Powerful gradeability

### SAFETY

- Excellent visibility
- Operator Sensing System
- Hydraulic locking valve

### OPTIMAL ERGONOMICS

- Integrated lamp switch
- Spacious leg room
- Small steering wheel



### EXCELLENT RELIABILITY

- Robust mast
- Anti-dust design
- Auxiliary weight

### GREAT SERVICEABILITY

- Removable side cover
- Junction box
- Easy access to all main components



# Maximum Productivity



### High speed lifting/lowering

The gear pump and mast regulator valve are optimised to increase the lifting/lowering speed, which boosts the efficiency of your forklift.

image can include optional features

### Kubota V2403-CR-TE5B Diesel Engine

The Kubota V2403-CR diesel engine delivers powerful performance and generates capacity through key temperature control technology. It also increases the ash cleaning and engine oil change interval, resulting in TCO optimisation.



### HMC G424I LPG-engine

The Hyundai G424I engine will get the work done at any given load condition maintaining a flat torque curve. It also accomplishes both durability and low noise, complied with Euro Stage V.



### Outstanding Stability

The new auxiliary weight lowers the centre of gravity and enables to lift big loads, ideal to use in heavy load applications.



### Wide Steering Angle

The increased steering angle makes manoeuvring in small spaces more convenient.



### Powerful gradeability

The combination of the powerful engine, transaxle and new frame structure, has maximised the gradeability. The NXP-Series can climb up to steep slopes of 25%. (D30NXP, Gradeability @1.6km/h, loaded)



# 25%

# Safety



image can include optional features



### LED lights

Brighter and last longer 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.



### Mast Lowering Interlock & Tilt Lock (ISO3691)

When the operator leaves the truck unattended, the hydraulic locking system prevents unintentional lowering and tilting of the mast. It safeguards the truck, the load and the work array.

### Blue safety light OPTION

Projects a blue spot on the floor to alert pedestrians.



### Anti-slip step plate

Wider step plate prevents from slipping and easy entry and exit into a truck.



### Wide mast visibility

The neatly arranged hydraulic hoses and chains provide clear front visibility through the wide view mast.



# Optimal Ergonomics



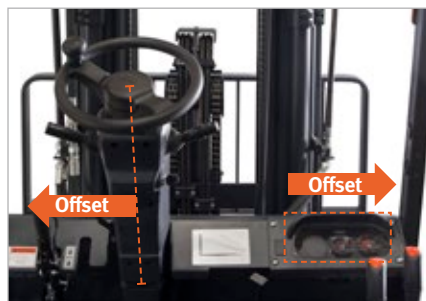
### Integrated lamp switch

The turn signal and headlamp switches are integrated for convenient operation.



### Panoramic mirror

The panoramic mirror offers a wide-angle rear view and greatly improves driving safety.



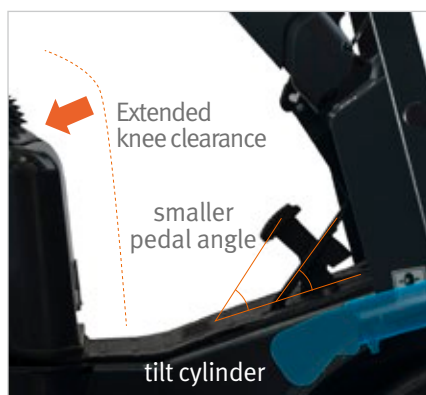
### Steering column & instrument panel offset

The steering column is shifted to the left for a more comfortable posture. The instrument panel is also shifted to the right for easier viewing.



### Improved front/rear visibility

The improvement of the cowl height (-40 mm) and counterweight design has increased front and rear visibility and enables safer driving.



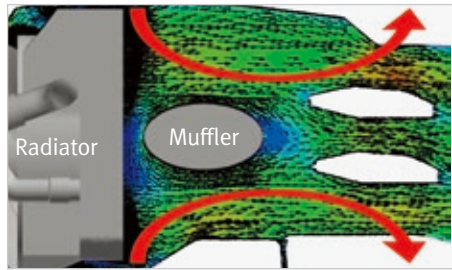
### Spacious leg room

The knee clearance is widened and the tilt cylinder is removed from the floor plate. Acceleration and brake pedal clearance and angle are improved which reduces ankle fatigue.



**OPTION**  
Suspension seat

## Excellent reliability & serviceability



### Optimised air flow

The airflow is optimised by improving the position of the muffler, increasing the space between the parts and increasing the inner space of the counterweight. It streamlines the airflow and increases the cooling capacity.



### Junction box

The electronic components are centralised which reduces the average service duration.



### Dual elements air cleaner

The air cleaner with dual element filter protects the engine against dust effectively, ensuring the durability of engine. This is standard on the NX Plus series.



### Pre-cleaner **OPTION**

In a dusty environment, the pre-cleaner removes the dust beforehand and effectively extends the life of the air cleaner.

### Wide open hood angle

The engine room is easily accessible because the open angle of the hood has been increased.

### Hood locking cylinder

It helps easy maintenance and prevents accidents.

### Removable side panel

The side cover can be removed without any tools, just by using the knob.



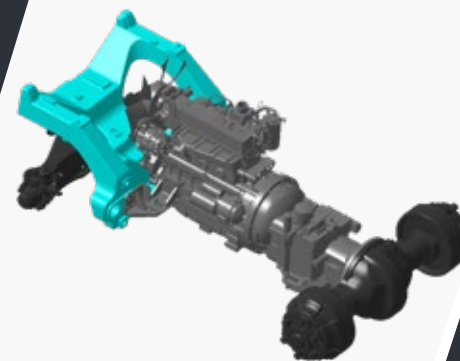
### Anti dust design

The bottom-sealed overhead guard eliminates the dust inflow from the bottom side.



### Auxiliary weight

Many troubles are caused by vibration. The engine is mounted on the auxiliary weight to effectively absorb vibration and suppress noise. This extends the parts' durability and prevents durability decline and oil leakage.



### Robust mast

The reinforcement rib (J-channel) of the mast beam improves mast stiffness and lateral stability. The six roller carriage provides superior strength and durability for wider and longer loads.



# Minimized Total Cost of Ownership

## Diesel Particulate Filter (DPF)

In order to comply with Euro Stage V, it was necessary to equip our diesel forklifts with a Diesel Particulate filter. Doosan believes it is important to maximise the uptime of your truck, so we have made sure that service is reduced to a minimum. Regeneration is automatic.

### What is the downtime of the forklift when regenerating?

In a normal operation, the regeneration takes place during driving so you won't even notice it is being done. In a light application, a manual (also referred to as "forced") regeneration might be needed and it takes about 40 minutes. This forced regeneration is only possible when the coolant temperature is above 40 degrees (the coolant temperature can be checked on the monitor). Since this is a high-temperature regeneration, it is recommended to consider the surrounding environment during regeneration.

### Can I postpone the regeneration to a more suitable time?

Yes. You can put the regeneration off by using the 'inhibit switch'. However, if the soot exceeds 110%, the power will be limited to alert you to regenerate and avoid harm to the DPF.

### After how many hours do I need a new DPF?

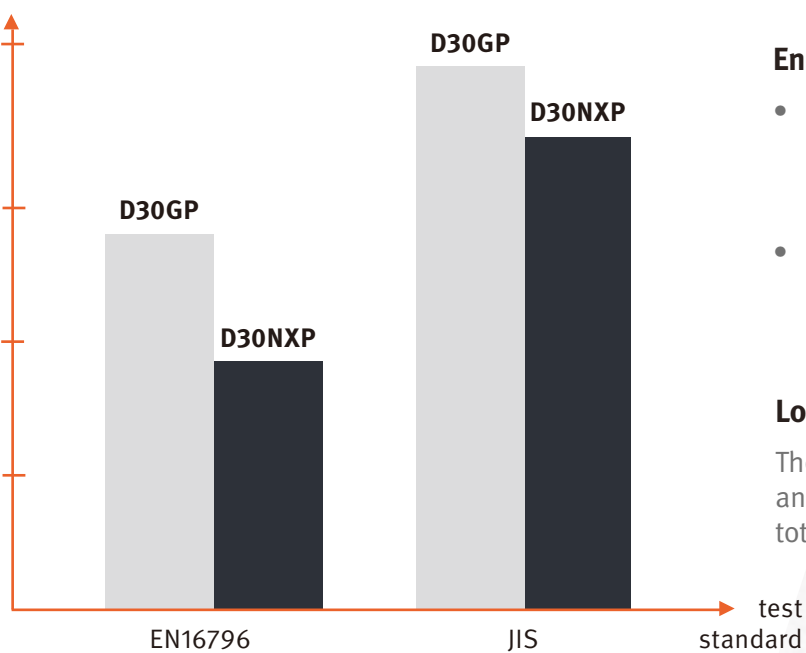
As long as you follow the regeneration and ash cleaning instructions, there is no need for a new DPF. We advise you to avoid using so-called DPF cleaning additives as they can harm your DPF beyond repair.

### After approximately how many hours do I need to regenerate?

The regeneration will take place during normal operation without you being aware of it. Only in light applications, a manual regeneration process might be needed every 50 to 100 working hours. You can predict the need for manual regeneration based on the soot meter on the monitor.

### What kind of service costs are involved?

DPF does not need to be replaced long as it is regenerated regularly. You just detach the DPF and do ash cleaning regularly every 5000 hours.



### Energy saving

- The G25NX Plus Series meets the Euro Stage V standards thanks to its catalytic muffler. The engine is environmentally clean and very powerful.
- The D25NX Plus Series is equipped with an electronic engine that consumes less than the mechanical engine of the D25GX Plus Series.

### Longer service interval

The diesel NX Plus series reduces maintenance costs and extends life in the field, significantly minimizing total cost of ownership.



# Main Specifications

MAIN SPECIFICATIONS		DG20NXP	DG25NXP
Load capacity/rated load	kg	2,000	2,500
Load centre	mm	500	500
Load distance, centre of drive axle to fork	mm	472	472
Wheelbase	mm	1,700	1,700
Height, mast lowered	mm	2,045	2,045
Free Lift	mm	150	150
Lift (with STD 2-stage mast)	mm	3,000	3,000
Height, mast extended	mm	4,247	4,247
Height of overhead guard	mm	2,160	2,160
Height of seat	mm	1,185	1,185
Overall length	mm	3,610	3,660
Length to fork face	mm	2,560	2,610
Overall width	mm	1,290	1,290
Turning radius	mm	2,280	2,330

DG30NXP	DG33NXP	DG35NXP
3,000	3,300	3,500
500	500	500
472	477	477
1,700	1,700	1,700
2,045	2,045	2,045
150	150	150
3,000	3,000	3,000
4,247	4,252	4,252
2,160	2,160	2,160
1,185	1,185	1,185
3,715	3,780	3,800
2,665	2,730	2,750
1,290	1,290	1,290
2,415	2,460	2,480

# Standard Features and Optional Extras

Standard  
Optional

SAFETY & STABILITY	Diesel	LPG
Operating Sensing System (OSS)	Standard	Standard
Back-up alarm - inside	Standard	Standard
Control valve with hydraulic locking	Standard	Standard
Rear safety light	Optional	Optional
Rear grab handle with horn switch	Optional	Optional
Static ground strap	Optional	Optional
Strobe light	Optional	Optional
Autoshift controller	Optional	Optional
Ground speed control	Optional	Optional
Spark arrestor	Optional	Optional

OPERATOR COMFORT (ERGONOMICS)	Diesel	LPG
Clear front/rear mast visibility	Standard	Standard
LED combination lights	Standard	Standard
Entry grab bar	Standard	Standard
Anti-slip step plate	Standard	Standard
Panoramic mirror	Standard	Standard
Integrated lamp switch	Standard	Standard
Compact steering wheel with steering knob	Standard	Standard
Clip board	Standard	Standard
Modular cabin - Type A,B,C	Optional	Optional
Full cabin (with heater & air conditioner)	Optional	Optional
Cup holder	Optional	Optional
USB port	Optional	Optional
Fuel cap with key	Optional	Optional
Operator fan	Optional	Optional

PRODUCTIVITY	Diesel	LPG
Auxiliary weight	Standard	Standard
Power shoe brakes	Standard	Standard

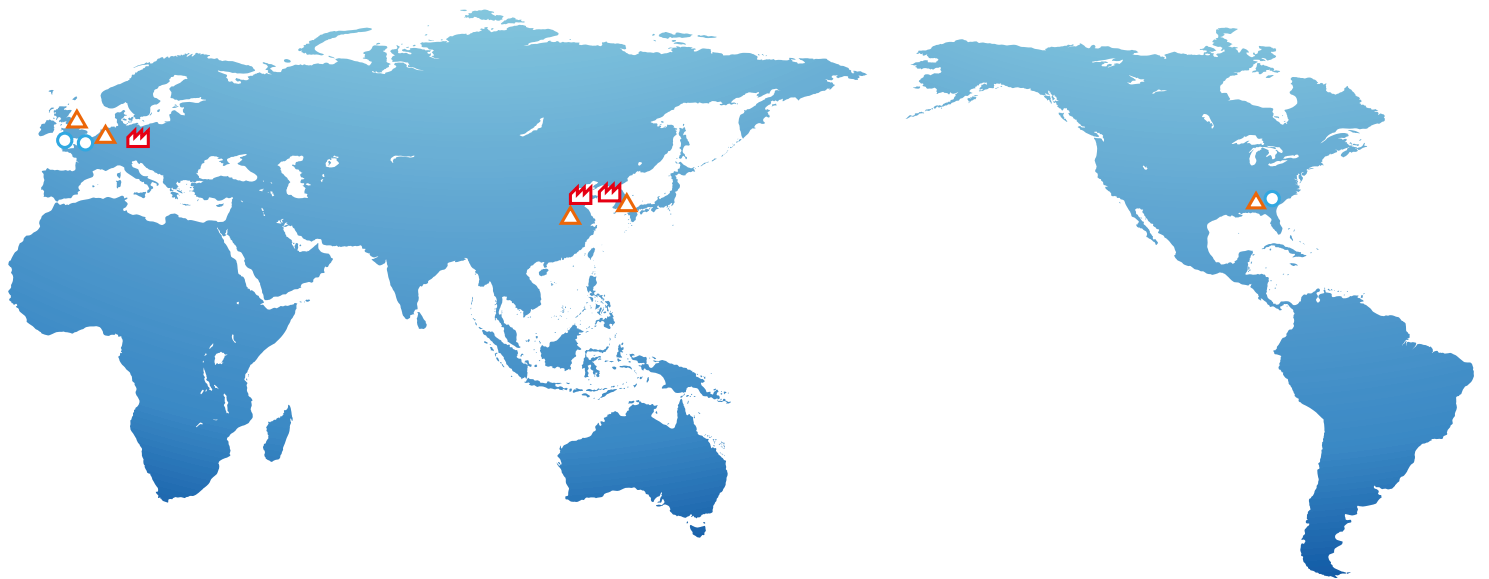
  




RELIABILITY	Diesel	LPG
Mast with JJ beam	Standard	Standard
Anti dust overhead guard	Standard	Standard
Dual element air cleaner	Standard	Standard
Pre-cleaner	Optional	Optional

SERVICEABILITY	Diesel	LPG
Toolless side panel	Standard	Standard
Toolless floor plate	Standard	Standard
Hood locking cylinder	Standard	Standard
Junction box	Standard	Optional

\* 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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