



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

# NX PLUS SERIES FORKLIFTS

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

Euro Stage V



**Everything has been changed. New NXP, the game changer.**  
**Experience the fully enhanced value of NXP Series**

The new NXP Series offers excellent power, durability and high operator comfort. Keeping the customer satisfied is our main focus, and this is guaranteed by offering the best productivity and convenience in a variety of industrial applications.

## MAXIMUM PRODUCTIVITY

- The combination of a powerful engine and a rigid transaxle provides a gradeability with load of **25%**.
- With the optimized Doosan hydraulic system, the NX Plus series has an **unbeatable travel/lifting speed**.



NXP LPG ▶

## NEW SLEEK DESIGN

Doosan created a **new design** that fits the Doosan tradition of delivering simple, powerful performance, represented in an upgraded exterior.





◀ NXP Diesel

## OPTIMAL ERGONOMICS

- Plenty of legroom which gives the operator the necessary comfort while driving.
- The clearance and angle of the acceleration and brake pedals are positioned to minimize ankle fatigue.
- The neatly arranged hydraulic hoses and chains provide clear front visibility through the wide view mast.
- The compact steering wheel allows quick control and reduces wrist fatigue.
- Front/rear visibility has increased by improving the design of the operator compartment and counterweight.

## EXCELLENT RELIABILITY

- The **new auxiliary weight design** lowers the center of gravity and helps reducing noise, vibration and heat.
- The cooling capacity has increased by optimizing the air flow of the engine room and the design of the counter weight.
- The design of the anti-dust head guard and dual element air cleaner extend the service interval and guarantees the durability of engine.
- The mast has a higher stiffness, which makes the operation more stable.

## Maximum productivity

The combination of a powerful engine transmission and drive axle maximizes the performance and gives you the best productivity in every work application.





### 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 optimization.



### Kubota WG2503-L LPG-motor

The Kubota WG2503 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.



### Powerful Gradeability

With the powerful engine, transmission and auxiliary weight structure, the maximum gradeability is optimized and it is easy to drive up 25% (3.0t, @1.6 km/h) steep slopes.

# “ Boost your productivity with Doosan ”



### Wide Mast Visibility

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



### Outstanding Stability

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



### High Speed of Lifting / Lowering

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

## Safety

The NX Plus series is equipped with various safety features. It helps prevent accidents, ensuring safety of the employees and people in the surrounding area.





### Rearranging of Tilt Cylinder

The tilt cylinder was removed from the floor plate to prevent the driver from falling over it.



### Large Entry Grip Bar

The entry grip bar is larger, making it easy to grasp and enabling safer mounting on/off the truck.



### Anti-slip Step Plate

The wider step plate prevents slipping and it also helps safer mounting on/off the truck.



### 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.

- 1 Warning when the operator leaves the seat without setting the parking brake.
- 2 Warning when the operator drives without the seatbelt fastened.
- 3 Automatically stops the vehicle when the operator leaves the seat.



### ISO3691 Hydraulic Locking Valve

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.



### LED lights

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



### Large panoramic mirror

Provides a clear view of the rear working area for the operator, to ensure safe working conditions.

“ Doosan takes safety to the next level ”

## Optimal ergonomics

The operator compartment is spacious and ergonomically designed to reduce operator fatigue. It allows for greater comfort and safe operation.





“ Infinite **adjustability**, optimized **controllability** and exceptional **reliability** makes the Doosan the operator’s first choice. ”



#### Small steering wheel

The steering wheel has a compact design that reduces operator fatigue.



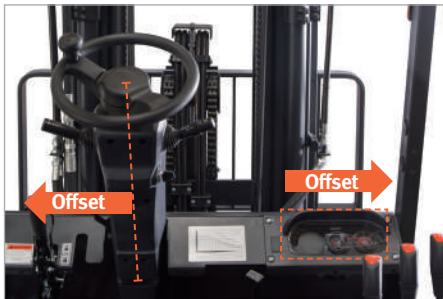
#### Adjustable Tilt Steering Column

The steering column can be adjusted over a wide range of angles, allowing an optimal posture for the operator.



#### Integrated Lamp Switch

The turn signal and head lamp switches are integrated for convenient operation.



#### Steering Column & Instrument Panel Offset

Steering column is shifted to the left for more comfortable posture. Instrument panel is also shifted to the right for easier viewing.



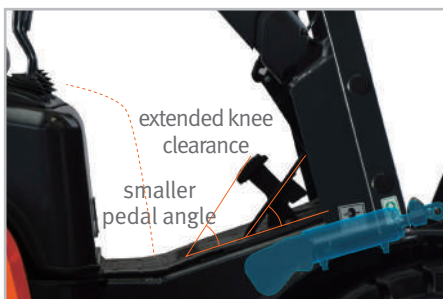
#### Extended Steering Angle

The turning radius is improved by increasing the steering angle. The NXP series makes it easy to manoeuvre in confined spaces.



#### Improved Front / Rear Visibility

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



#### Spacious Legroom

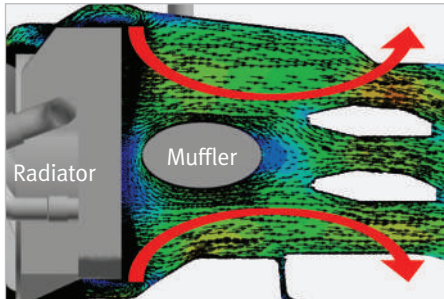
The knee clearance is widened and the tilt cylinder is removed on the floor plate. Acceleration and brake pedal clearance and angle are improved to reduce ankle fatigue.



## Excellent reliability

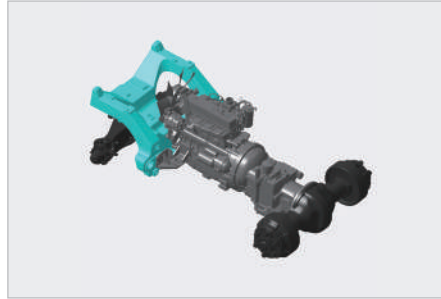
The NXP series is equipped with an advanced design to reduce noise, vibration, heat, dust inflow, it ensures durability of key components. With the improved design and extra heavy duty options, the NXP ensures durability in harsh operating conditions.





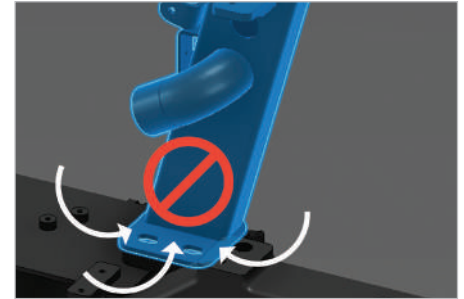
### Optimized Air Flow

The airflow is optimized 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.



### 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 parts durability and prevents durability decline and oil leakage.



### Anti Dust Design

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



### 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.



### 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**

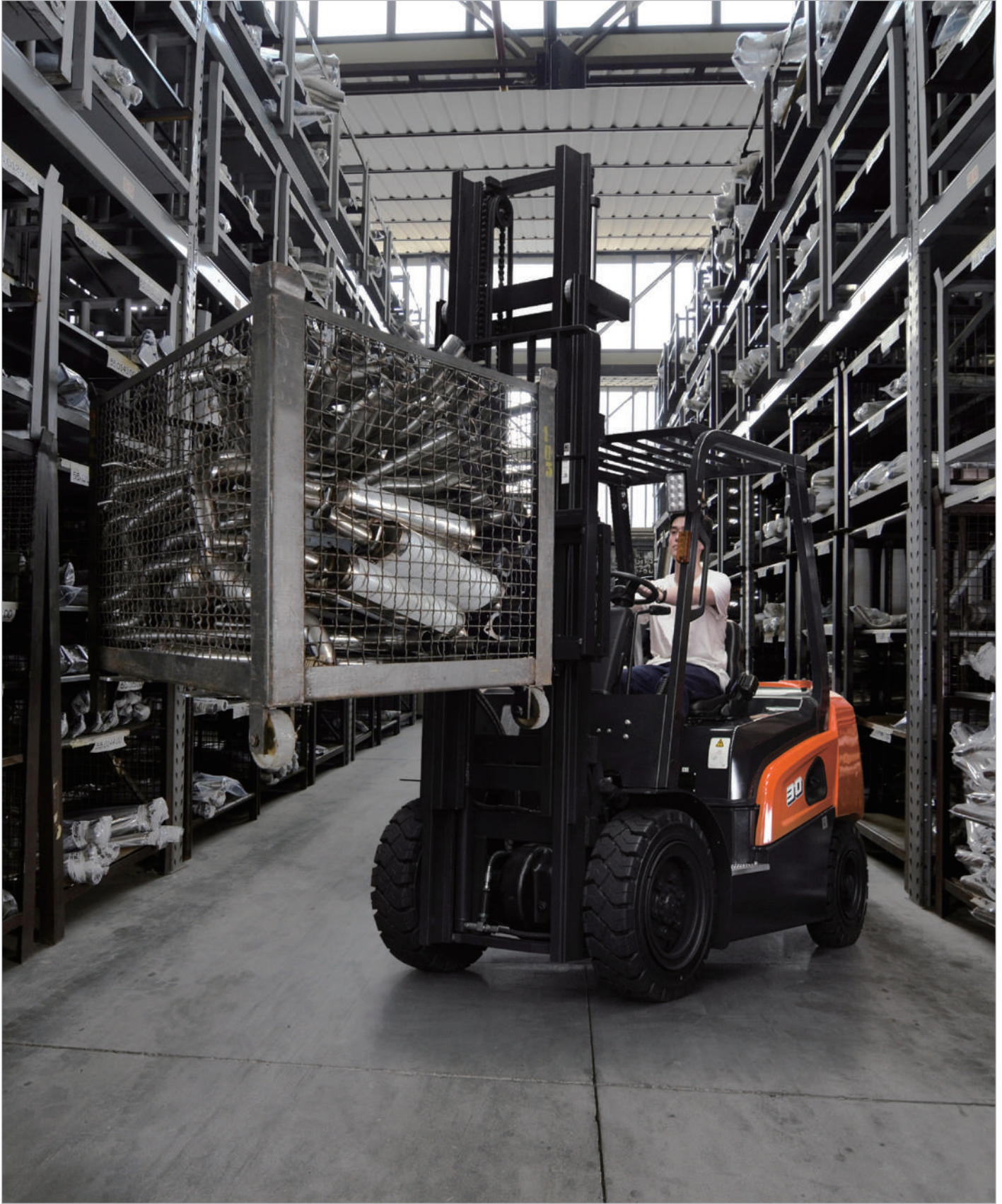
In a dusty environment, the pre-cleaner removes the dust beforehand and effectively extends the life of the air cleaner.



“The **robustness** of the Doosan truck gets the job done.”

## Minimized Total Cost of Ownership

Doosan ensures maximum uptime of your truck by providing low maintenance forklifts, minimizing your 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 maximize 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 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.



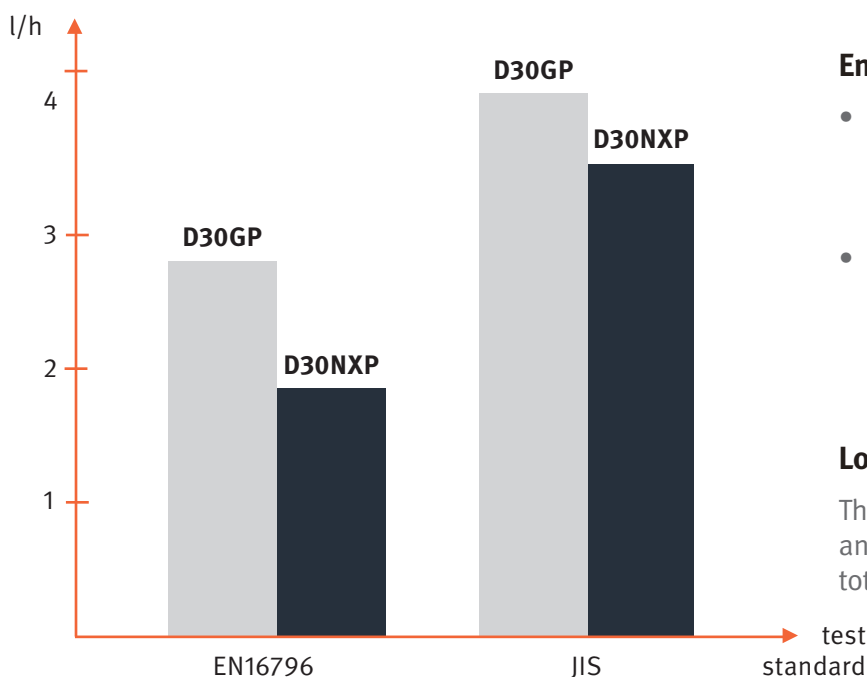
### What kind of service costs are involved?

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.



### 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.



### 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 which 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.

## Great Serviceability

Doosan offers an excellent service. Our NX Plus series has been designed with maintenance in mind and can be serviced fast and easy.





**Removable Side Panel**

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

**Wide Open Hood Angle**

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

**Worldwide service network**

- Head quarter
- Overseas offices and service centers



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.



**Junction Box**

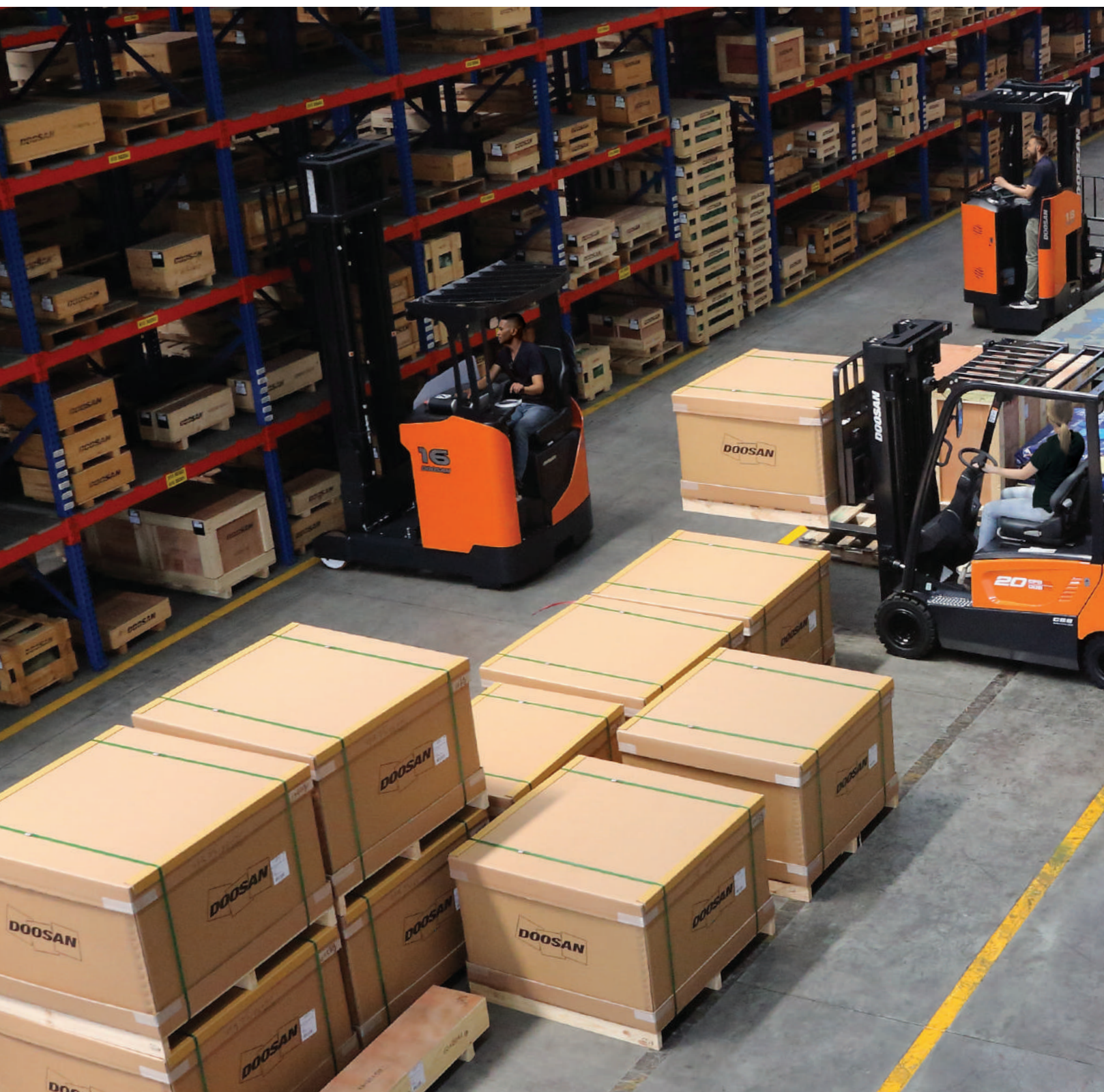
The fuse and relay are centralized for easy maintenance.



**Hood Locking Cylinder**

Helps easy maintenance and helps preventing accidents.

# DOOSAN IS THE PARTNER





EVER YOU CAN COUNT ON



## Main Specifications

MAJOR 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

## Standard Features and Optional Extras

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 Front 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

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

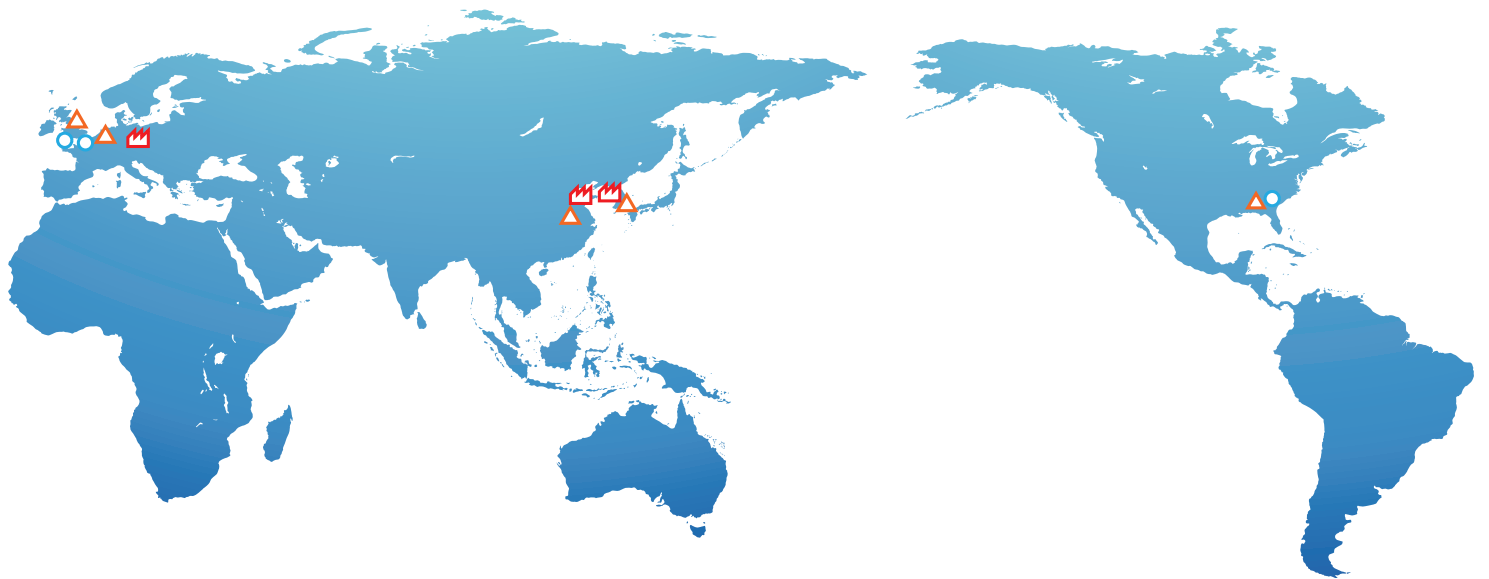
DG30NXP	DG33NXP	DG35NXP
3,000	3,300	3,500
500	500	500
472	477	477
1,700	1,700	1,700
2,045	2,045	2,045
150	150	150
3,000	3,000	3,000
4,247	4,252	4,252
2,160	2,160	2,160
1,185	1,185	1,185
3,715	3,780	3,800
2,665	2,730	2,750
1,290	1,290	1,290
2,415	2,460	2,480




■ Standard  
■ Optional

PRODUCTIVITY	Diesel	LPG
Auxiliary weight		
Power shoe brakes		

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

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



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center

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Authorized Dealer



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