



B20NS / B25NS / B30NS / B35NS

## NXE SERIES FORKLIFTS

Electric 2.0 to 3.5 tonne capacity    4-wheel



## Far beyond the expectation

# Experience the fully enhanced value of the NXE Series

Doosan's new NXE series electric forklifts are equipped with various ergonomic and safety features to provide you with excellent performance, great power, outstanding reliability and serviceability.

## MAXIMUM PRODUCTIVITY

Excellent front visibility

NFC tag start

Increased travel and mast lifting/lowering speed

Battery side extract system

## SAFETY

Electronic parking brake

LED lights

Safety light

Auto tilt leveling

Great stability

Mast lift speed control

Fence lights

Guardian Stability System (GSS):

- Neutral position for start
- Anti roll back
- Unlimited ramp hold
- Automatic speed control
- Low battery warning alarm
- Mast Lowering Inter-Lock & Tilt Lock (ISO3691)
- Brake oil & seat belt indicator
- Operator sensing system (OSS)





## OPTIMAL ERGONOMICS

Mono pedal

Full colour display

Convenience features

Control lever with F/R switch

## EXCELLENT RELIABILITY

Water and dust proof driving/hydraulic motors

IP67 Curtis controller

Under cover

## GREAT SERVICEABILITY

Worldwide service network

Doosan genuine parts

Easyview

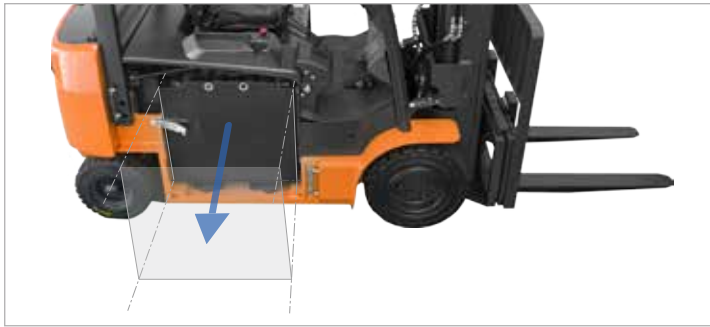
Junction box



# Maximum Productivity

The combination of a highly-efficient Curtis AC controller, a high performance motor and drive axle maximises the performance, delivering maximum productivity in a range of applications.





### Battery side extract **OPTION**

- Side lift in-out: The battery can be replaced by using another forklift from the side.
- Side Roll in-out: Rollers are installed on the frame, so the battery can be replaced easily with less force.



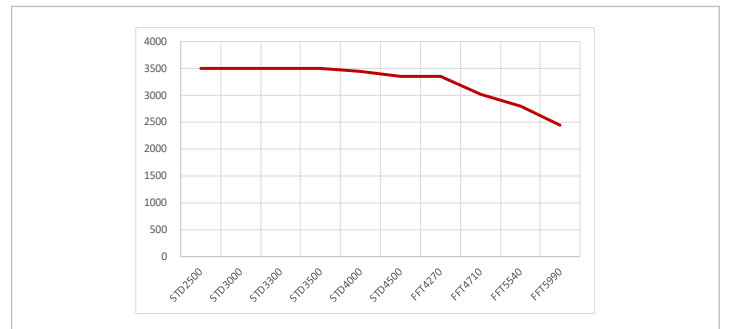
### Cold storage **OPTION**

The oil can withstand temperatures down to -20°C, allowing the truck to perform well in cold temperatures.



### Excellent front visibility

- Improved layout of mast chains & structures provide excellent front visibility.
- The front cowl height is lowered to reduce blind spots.
- The overhead guard thickness and layout are improved for wide visibility.



### High residual capacity

By increasing the stability, the residual capacity remains high, even at a height of 4m.

- B25NS: 2.1 t capacity at 4.7m height
- B35NS: 3.0 t capacity at 4.7m height

“Boost your productivity  
with Doosan”

# Safety

The NXE series is equipped with various safety features. It helps prevent accidents, ensuring the safety of the operator and pedestrians in the surrounding area.





# “Doosan takes safety to the next level”



## Anti roll back

The controller prevents the forklift from rolling back for 5 seconds when the truck is stopped on a slope.



## Seat belt interlock

If the seat belt is not fastened, driving and mast operation are restricted.



## Automatic speed control

The travel speed is automatically reduced when cornering, minimising the risk of accidents or damage.



## Safety light **OPTION**

A warning is given to pedestrians by reflecting the blue light.



## Fence light **OPTION**

A warning is given to pedestrians by reflecting red lines around the vehicle.



## Operator Sensing System (OSS)

Whenever the operator leaves the seat, the truck travel and mast lifting functions will stop.

- Warning when the operator leaves the seat without putting on the parking brake.
- Warning when the operator drives without the seat belt fastened.
- Automatically stops the vehicle when the operator leaves the seat.



## Electronic parking brake (EPB)

The parking brake is activated automatically after 3 seconds of stopping to prevent accidents. The electronic parking brake (EPB) prevents the forklift from rolling back if the truck is stopped on a slope.



## 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 operator.



# Optimal ergonomics

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







### Mast lowering cushion (2-stage mast only)

The hydraulic cushion function minimises the impact by reducing the lowering speed at the end.



### Various convenience features

- 5V USB power
- Document clip holder
- Cup holder
- Storage box



### Full colour display

The full colour display is easy to read and provides the operator with information on the status of the truck.



### Large entry grip bar and anti-slip step plate

A large anti-slip step plate and entry grab bar make it easy to get on/off the truck.



### Ergonomic operator compartment

- The knee clearance is extended, which makes the operator compartment more spacious. The operator can drive in a comfortable position, even if they are on the truck for 8 hours.
- The step height and floor plate are lowered to make it easier and safer to get on/off the truck.



### Ergonomically designed hydraulic levers with F/R switch

The forward and backward switch is located on the hydraulic lever, which makes it more convenient to switch direction with less movement.



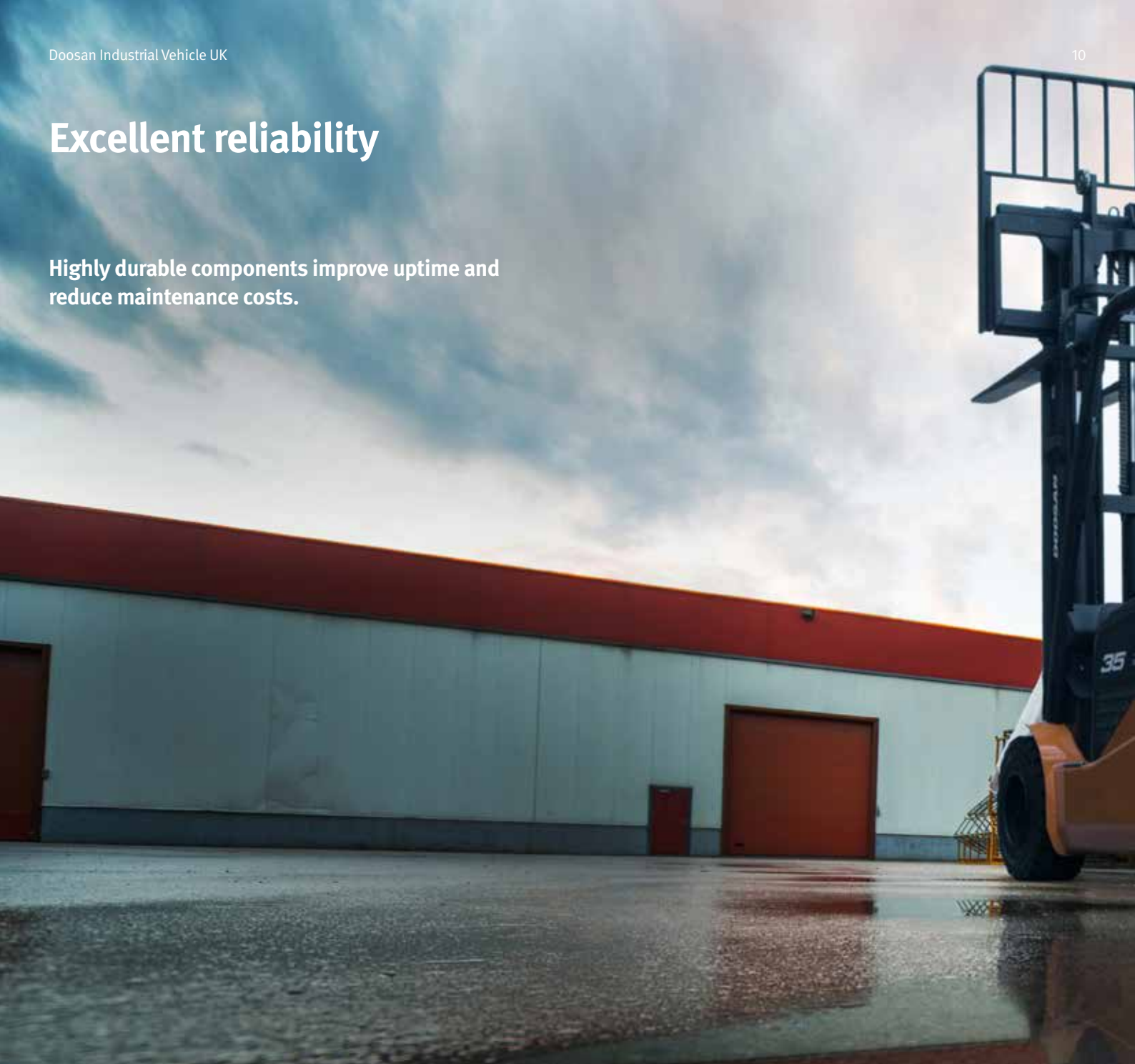
### Mono pedal **OPTION**

Forward and backward switch function is integrated into the accelerator pedal for quicker and easier forward and backward operation.

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

# Excellent reliability

Highly durable components improve uptime and reduce maintenance costs.



## Reliable AC controller

- Curtis AC controller controls driving/hydraulic operation, resulting in optimum power and performance.
- IP67 rated water & dust proof feature protects against water even it is soaked to 1m underwater.



## Reliable performance by combining robust single drive axle and low noise/durable motor

- Powerful single drive axle transmits power and torque of the motor efficiently.
- IP54 rated durable AC motor protects motor and its components against liquid from any direction even in the rain.





### **E-motor foot brake (EFB)**

The EFB activates braking by controlling the motor electrically instead of the conventional hydraulic brake. It makes it easier to brake and the simple brake structure reduces maintenance costs.



### **OPTION**

#### **Under cover**

Protects the motor against water, dust and pebbles from the ground.



## Great Serviceability

Doosan offers an excellent service. Our NXE series has been designed with maintenance in mind and can be serviced quickly and easily.





### Junction Box

The fuse and CAN port are centralised for easy maintenance.



### Easyview

You only need a laptop to adjust the forklift parameters. There is no need for any special tools.



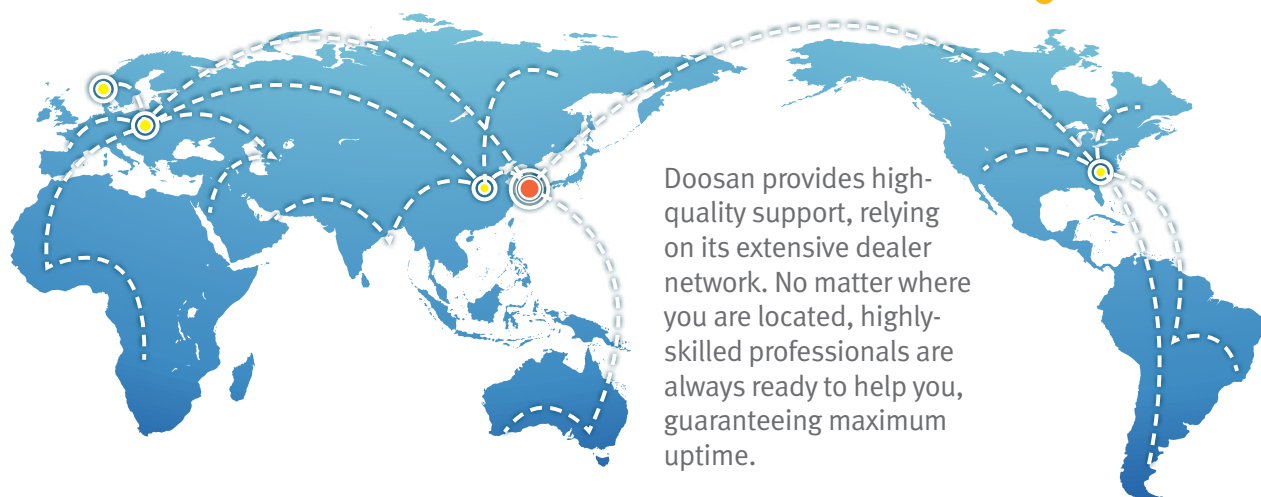
### Hood Locking Cylinder

Helps easy maintenance and prevents accidents.

### Removable Side Panel

The side cover can be removed without any tools.

### 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.

# Main Specifications

## MAJOR SPECIFICATIONS

B20NS

Load capacity/rated load	kg	2,000
Load centre distance	mm	500
Wheelbase	mm	1,560
Aisle width for pallets 1,000 x 1,200 crossways	mm	3,697
Aisle width for pallets 800 x 1,200 lengthways	mm	3,897
Turning radius	mm	2,040
Travel speed, loaded / unloaded	km/h	14/15
Lift speed, loaded / unloaded	mm/s	320/450
Lowering speed, loaded / unloaded	mm/s	500/460
Maximum drawbar pull, loaded 5 minute rating	N	10,910/10,500
Maximum gradeability, loaded / unloaded, 5 minute rating	%	15 / 27
Battery voltage/nominal capacity K	V/Ah	48/600

## Standard Features and Optional Extras

### SAFETY & STABILITY

Guardian Stability System (GSS)	
<ul style="list-style-type: none"> <li>Operating Sensing System (OSS)</li> <li>Neutral position for start</li> <li>Unlimited ramp hold</li> <li>Automatic speed control</li> <li>Low battery warning alarm</li> <li>Brake oil &amp; seatbelt indicator</li> <li>Mast Lowering interlock &amp; tilt lock</li> </ul>	
Cornering speed control	
Seat belt interlock	
Electronic parking brake	
Additional options for GSS	
<ul style="list-style-type: none"> <li>Decrease of travel speed (up to 50%) when the mast is raised above the primary stage</li> <li>Forward tilt reduced by 2° when the mast is raised above the primary stage</li> <li>Alarm sounds when the mast is raised above the primary stage with the mast tilted more than 2°</li> </ul>	
Combination LED lights	
Panoramic mirror	
Auto tilt leveling	
Safety light	
Fence light	
Mast lift speed control	

### ERGONOMICS

Ergonomic operator compartment	
Large entry grab bar	
Tilting steering column	
USB power socket	
Document clip	
Cup holder	
Storage box	
Compact steering wheel	
Full colour LCD display	
Hydraulic control levers with F/R switch	
Mono pedal	
Rear grab bar with horn	
NFC Tag Start	
Premium Grammer seat	

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



B25NS	B30NS	B35NS
2,500	3,000	3,500
500	500	500
1,560	1,710	1,710
3,717	3,957	3,962
3,917	4,157	4,162
2,060	2,300	2,300
14/15	14/15	14/15
300/450	280/400	250/400
500/460	380/365	380/365
10,910/10,700	14,460/13,560	14,460/13,860
15 / 25	15 / 27	15 / 25
48/600	80/420	80/480

■ Standard  
■ Optional

### PRODUCTIVITY

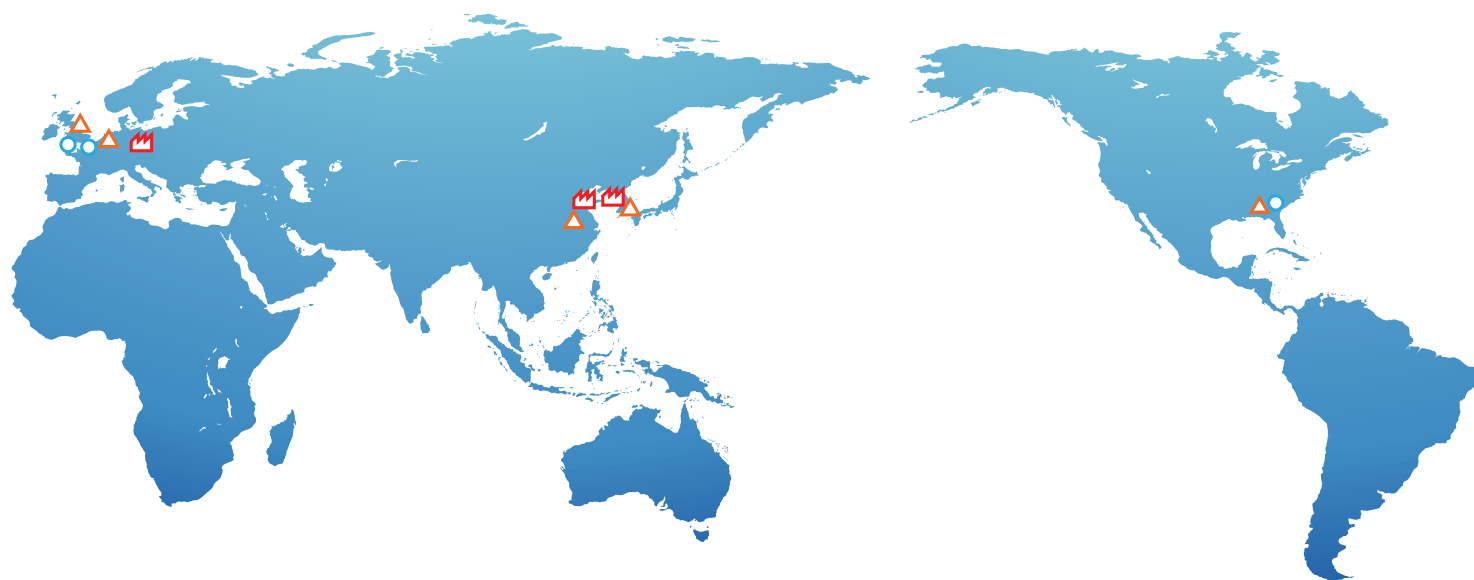
Cold storage	<span style="color: #2c3e50;">■</span>
SLIO (side lift in-out)	<span style="color: #2c3e50;">■</span>
SLIO (side roll in-out)	<span style="color: #2c3e50;">■</span>




### RELIABILITY

IP67 Curtis controller	<span style="color: #e67e22;">■</span>
Under cover	<span style="color: #2c3e50;">■</span>

### SERVICEABILITY

Toolless side panel	<span style="color: #e67e22;">■</span>
Hood locking cylinder	<span style="color: #e67e22;">■</span>
Junction box	<span style="color: #e67e22;">■</span>



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center



Doosan Industrial Vehicles UK Limited  
12 Kilvey Road  
Brackmills Industrial Estate  
Northampton  
NN4 7BQ  
Tel.: 01604 825 600  
Website : [www.doosanflt.com](http://www.doosanflt.com)

EUB15NS-B25NS-200904V1EN (September 2020)

Authorized Dealer

**Ability Handling Limited**  
North Anston Trading Estate  
Sheffield  
S25 4JJ  
T: 01709 821821  
E: [info@abilityhandling.co.uk](mailto:info@abilityhandling.co.uk)  
W: [abilityhandling.co.uk](http://abilityhandling.co.uk)