



B15NS / B18NS / B20NSC / B20NS / B25NS / B30NS / B35NS

NXE SERIES FORKLIFTS

Electric 1.5 to 3.5 ton 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 (only B25NS Series)

Battery side extract system
(only B25NS Series)

Optimized stability

Full AC control

SAFETY

Electronic parking brake

LED lights

Safety light

Auto tilt levelling (only B25NS Series)

Mast lift speed control (only B25NS Series)

Fence lights

Anti roll back

Automatic speed control

Operator sensing system (OSS)

Gurdian stability system (GSS)
(only B25NS Series)



OPTIMAL ERGONOMICS

Mono pedal (only B25NS Series)

Full colour display

Convenience features

Control lever with F/R switch (only B25NS Series)

EXCELLENT RELIABILITY

Water and dust proof driving/hydraulic motors

IP65/67 Curtis controller

Under cover

E-motor foot brake (only B25NS Series)

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.

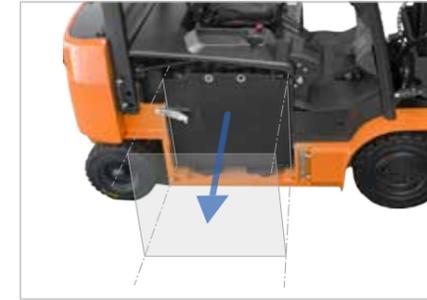


“Boost your productivity with Doosan”



Advantages of Full AC control

- Driving and hydraulics are controlled by a AC controller, which delivers fast and powerful performance.
- Operating costs are reduced because there are no motor brushes, commutators and directional & hydraulic contactors.
- Energy consumption efficiency that translates into a longer running time per battery charge.



Battery side extract (only B25NS Series) **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 hydraulic oil (only B25NS Series) **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.
- Low front cowl height to reduce blind spots.
- The overhead guard thickness and layout are improved for wide visibility.



Optimized stability

By applying the H-type axle, the overall design is optimized and the center of gravity is lowered. It improves stability so that heavy loads can be handled stably.



High residual capacity

By increasing the stability, the residual capacity remains high, even at high altitudes.

- B15NS: 1.3t capacity at 4.5m height
- B25NS: 2.1 t capacity at 4.7m height
- B35NS: 3.0 t capacity at 4.7m height

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 (only B25NS Series)

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



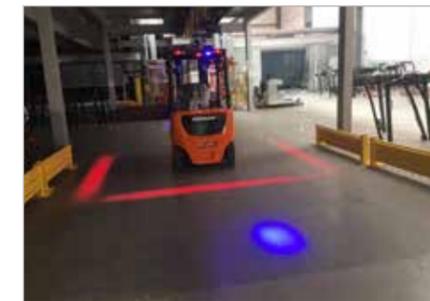
Automatic speed control (optional for B15NS Series)

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. 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 (only for B25NS Series)
- 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.



Ergonomic operator compartment

- The ample legroom allows the driver to drive in a comfortable position, even when sitting on the truck for 8 hours.
- Low step height and floor plate to make it easy and safe to get on/off the truck.



Location tilt cylinder

The tilt cylinder is located inside the chassis which makes it easy to enter the truck. Low maintenance/replacements because the piston is not exposed to dust or other damages.



Ergonomically designed hydraulic levers with F/R switch (only B25NS Series)

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



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.



LED lights

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



A-type Modular cabin (only B15NS Series)

The standard top cover protects the operator in rainy weather and provides more comfort.

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 (IP65 for B15NS Series) rated water & dust proof feature protects against water.



E-motor foot brake (EFB) (only for B25NS Series)

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.



Reliable performance by combining a 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.



Under cover **OPTION**

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

Great Serviceability

Doosan offers 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



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

		B15NS	B18NS
Load capacity/rated load kg	kg	1,500	1,750
Load centre distance	mm	500	500
Wheelbase	mm	1,360	1,360
Aisle width for pallets 1,000 x 1,200 crossways	mm	3,481	3,481
Aisle width for pallets 800 x 1,200 lengthways	mm	3,681	3,681
Turning radius	mm	1,890	1,890
Travel speed, loaded / unloaded	km/h	13 / 15	13 / 15
Lift speed, loaded / unloaded	mm/s	380/440	350/440
Lowering speed, loaded / unloaded	mm/s	450/500	460/500
Maximum drawbar pull, loaded / unloaded 5 minute rating	N	12,000 / 13,000	13,000 / 14,000
Maximum gradeability, loaded / unloaded, 5 minute rating	%	13 / 15	13 / 15
Battery voltage/nominal capacity K	V/Ah	48/525	48/525

	B20NSC	B20NS	B25NS	B30NS	B35NS
Load capacity/rated load kg	2,000	2,000	2,500	3,000	3,500
Load centre distance	500	500	500	500	500
Wheelbase	1,360	1,560	1,560	1,710	1,710
Aisle width for pallets 1,000 x 1,200 crossways	3,526	3,697	3,717	3,957	3,962
Aisle width for pallets 800 x 1,200 lengthways	3,726	3,897	3,917	4,157	4,162
Turning radius	1,930	2,040	2,060	2,300	2,300
Travel speed, loaded / unloaded	13 / 15	14/15	14/15	14/15	14/15
Lift speed, loaded / unloaded	350/440	320/450	300/450	280/400	250/400
Lowering speed, loaded / unloaded	470/500	500/460	500/460	380/365	380/365
Maximum drawbar pull, loaded / unloaded 5 minute rating	13,500 / 14,500	10,910/10,500	10,910/10,700	14,460/13,560	14,460/13,860
Maximum gradeability, loaded / unloaded, 5 minute rating	13 / 15	15 / 27	15 / 25	15 / 27	15 / 25
Battery voltage/nominal capacity K	48/525	48/775	48/775	80/620	80/620

Standard Features and Optional Extras

SAFETY & STABILITY

	B15NS	B25NS
Operating Sensing System (OSS)	Standard	Standard
Electronic parking brake	Standard	Standard
Automatic speed control	Optional	Standard
Combination LED lights	Standard	Optional
Strobe light	Standard	Optional
Panoramic mirror	Standard	Optional
Seatbelt interlock	Optional	Standard
Guardian Stability System (GSS)	Optional	Standard
Safety light	Optional	Optional
Fence lights	Optional	Optional
Auto tilt levelling	Optional	Optional
GSS+		
<ul style="list-style-type: none"> Decrease of travel speed (up to 50%) when the mast is raised above the primary stage Forward tilt reduced by 2° when the mast is raised above the primary stage Alarm sounds when the mast is raised above the primary stage with the mast tilted more than 2° 		
Mast lift speed control	Optional	Optional

ERGONOMICS

	B15NS	B25NS
Ergonomic operator compartment	Standard	Standard
Large entry grab bar	Standard	Standard
Tilting steering column	Standard	Standard
USB power socket	Standard	Standard
Document clip	Standard	Standard
Storage box	Standard	Standard
Compact steering wheel	Standard	Standard
Full colour LCD display	Standard	Standard
Mast lowering cushion	Standard	Standard
Cup holder	Optional	Standard
Hydraulic control levers with F/R switch	Optional	Standard
A-type modular cabin	Standard	Optional
Rear grab bar with horn	Optional	Optional
Suspension seat	Optional	Optional
NFC Tag Start	Optional	Optional
Mono pedal	Optional	Optional

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

PRODUCTIVITY

	B15NS	B25NS
Optimized stability	Standard	Standard
SLIO (side lift in-out)	Optional	Optional
SLIO (side roll in-out)	Optional	Optional
Cold storage hydraulic oil	Optional	Optional

RELIABILITY

	B15NS	B25NS
IP65 Curtis controller	Standard	Optional
IP67 Curtis controller	Optional	Standard
Under cover	Optional	Optional
Tilt cylinder boots	Optional	Optional

SERVICEABILITY

	B15NS	B25NS
Toolless side panel	Standard	Standard
Hood locking cylinder	Standard	Standard
Junction box	Standard	Standard

Standard
Optional



- Production Subsidiary
- Sales Subsidiary
- Parts Depot Center

EUB15NS-B25NS-201202V1EN (December 2020)



Doosan Industrial Vehicle Europe nv
Europark-Noord 36A
9100 Sint-Niklaas
Belgium
Tel.: +32 3 760 09 87
Fax: +32 3 760 09 89
Website: www.doosan-iv.eu

Authorized Dealer