

**DOOSAN**

B80NSC/B80NS/B100NS

## **NS-SERIES FORKLIFTS**

**Electric 8.0 to 10.0 ton capacity**



## Introduction



Doosan has expanded our electric line-up with the first high-capacity electric forklift series.

The B80NS, the most powerful and stylish electric forklift in its class.

You get the most comfortable and safe working environment with zero emissions and a low noise level. In addition, the trucks are easy to drive or operate with good visibility.

Why a Doosan electric forklift is the right fit for your industry?

- Low noise level
- Environment friendly / zero emission
- Reduced total cost of ownership (TCO)

## Save up to € 77,340\*

\* total saving on fuel and maintenance costs (over 4 years period) compared to fuel truck.  
(This calculation is based on cost of Fuel: 2,000 h/y, 8ltr/h €1,82/ltr and Electricity: price per kw/h €0,29/18kw/8h)

## Performance & General info



### 96V AC System

96V AC system combined with powerful single drive motor gives an unbeatable combination of power, performance and functionality.

### Oiled cooled disc brakes

Oil cooled disc brakes have a 5 times longer service interval than conventional shoe brakes, and are virtually maintenance free.



### 360 ° visibility

360 degrees visibility thanks to the large glass around the operator. The high visibility makes driving a forklift with a load safer and contributes to even better productivity and driving experience.

### Good visibility through roof

Keep a good view of your load thanks to the great visibility through the roof of the operator compartment



### Compact dimensions

Our B8oNS is more compact than the average diesel truck on the market with the same capacity, offering a smaller turning radius.





**Step inside our spacious operator compartment**

# Optimal ergonomics



### Low seat position (Full Cabin)

Easy to hop on and off thanks to the high head room the operator has a very spacious operator space at his disposal.



### Adjustable column

Steering column adjustable in vertical and horizontal direction according to the drivers preference and comfort.



### MP3 radio player OPTION

Radio with built-in mp3 player optionally available.



### HVAC System OPTION

This system offers integrated heating/cooling/ventilation control, allowing automatic heating/cooling temperature control.



### Spacious operator leg room

The thick and large rubber floor mat, rounded hood and spacious legroom offer great comfort to the operator.



### Premium Grammer Seats

The full suspension (air suspension optional) comfort seat is fully adjustable to accommodate all individual preferences.



### Fingertip Console OPTION

2-axis cross lever or ergonomic fingertips available. It ensures accurate control and low fatigue during a long shift.



## Doosan offers remarkable ergonomic designs for maximum comfort during long shifts

# Safety



## a higher level of safety leads to better productivity



### Extra Front LED lights

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



### Strobe and blue safety lights

Increased safety for the workplace with maximum visibility. (safety lights are optional)



### LED road lights

Clear visibility and efficiency whilst working in areas with reduced lighting and prevent hazards/accidents.



### Electric parking brake

The parking brake can be operated with a switch or automatically activated.



### Rear view camera

Workplace safety is ensured by maximizing rear visibility.

OPTION



### Large entry step with anti-slip pattern

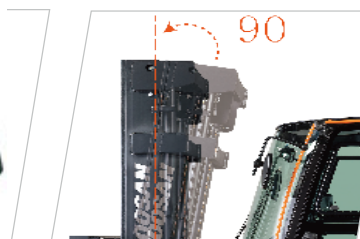
Low height of the 1st and 2nd steps to allow the operator to get on and off the truck easily and safely. Multiple entry grab bars are equipped to ensure a 3 points of entry.



### Weight scale

With the optional weight scale you won't have a chance to overload your forklift avoiding dangerous circumstances

OPTION



### Auto tilt

By pressing on the auto tilt button, the mast will automatically move to an upward position.

OPTION

## Service and reliability



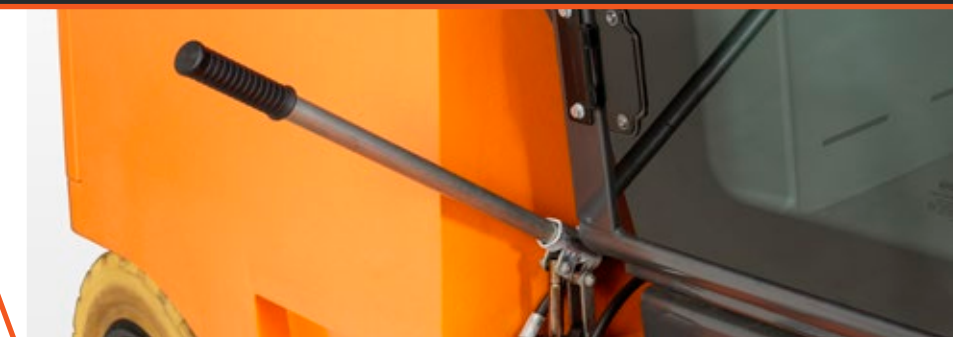
### Easy access to the main components

All main components below the cabin make it easy-to-access, enabling easy service.



### Battery change system

Thanks to detachable backplate, the battery change for multiple shifts is easier.



### Tiltable operator compartment OPTION

With the tiltable cabin, all main components below the cabin are easy-to-access which makes the service handler.



### Easy access controller

The IP65 rated controller is very reliable, well proven in tough applications and easy-to-access.

## Great Serviceability

### Worldwide service network

- Head quarter
- Overseas offices and service centers



### Doosan genuine parts

The warehouse supplies high quality Doosan parts to your local dealer.



**Reliable Partner**



# Main Specifications

## MAJOR SPECIFICATION

Load capacity/rated load	kg
Load centre distance	mm
Load distance, centre of drive axle to fork	mm
Wheelbase	mm
Aisle width for pallets 1000 x 1200 crossways	mm
Overall width	mm
Turning radius	mm
Travel speed, loaded / unloaded	km/h
Lift speed, loaded / unloaded	m/s
Lowering speed, loaded / unloaded	m/s
Noise level at operators ear	dB
Maximum gradeability, loaded / unloaded, 5 minute rating	%
Battery voltage/nominal capacity K5	V/Ah

# Standard Features and Optional Extras

## SAFETY & STABILITY

OSS (Operator Sensing System)	Standard features
Easy Entry Grab Bar	Standard features
Large entry step with anti-slip pattern	Standard features
Electronic Parking Brake	Standard features
Front LED Lights	Standard features
Cornering speed control	Standard features
Emergency switch	Standard features
Backup alarm	Standard features
Rear view camera with flat color display	Standard features
Seat Belt Interlock	Optional extras
Extra front LED lights	Optional extras
Blue Safety light Front and/or Rear	Optional extras
Panoramic and/or side mirrors	Optional extras
Amber strobe lights	Optional extras

## OPERATOR COMFORT (ERGONOMICS)

Easy-to-read instrument panel	Standard features
Overhead guard	Standard features
Adjustable steering column	Standard features
Rear grab bar with horn	Standard features
Grammer suspension seat	Standard features
Steering wheel knob	Standard features
USB port	Standard features
Fingertip console	Optional extras
Mini finger axis	Optional extras
Modular cabin type B/C/D	Optional extras
Full cabin (tiltable)	Optional extras
Grammer air suspension seat	Optional extras
Heater	Optional extras
Heater & air conditioner (HVAC)	Optional extras
Audio (DAB type Radio, MP3 )	Optional extras

- Standard features
- Optional extras

B80NSC	B80NS	B100NS
8,000	8,000	10,000
600	900	600
695	695	695
2,835	2,835	2,835
5,345	5,945	5,345
1,760 - 1,930	1,930	1,930
3,150	3,150	3,150
14 / 15	13 / 15	13 / 14
0.38 / 0.42	0.38 / 0.42	0.31 / 0.33
0.50 / 0.40	0.50 / 0.40	0.50 / 0.40
70	70	70
11 / 19	11 / 19	9 / 17
96/1,085-1,550	96/1,085-1,550	96/1,085-1,550

## PRODUCTIVITY

Excellent visibility through mast	Standard features
Smooth and responsive acceleration	Standard features
Weight scale	Optional extras
Double pedal with brake in the center	Optional extras
Auto tilt leveling	Optional extras

## RELIABILITY




Full AC system chassis	Standard features
IP65 Rated controller	Standard features
Robust frame structure & strong structure overhead guard	Standard features
Oil-cooled disc brakes (ODB)	Standard features
Under protection	Optional extras
Oil cooling exchange	Optional extras

## SERVICEABILITY

Tiltable overhead guard	Optional extras
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\* 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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B80NS-220923V1EN (September 2022)

Authorized Dealer