



**PORTER**  
PIAGGIO **NPE**  
THE CITY E-TRUCK







## THE PIAGGIO PORTER NPE IN NUMBERS

- > **POWER**  
Peak 150 kW  
Continuous 60 kW
- > **TORQUE**  
Peak 330 Nm  
Continuous 128 Nm
- > **PAYLOAD**  
Up to 1,055 kg
- > **MAX. SPEED**  
90 km/h
- > **BATTERY**  
LFP 42 kWh
- > **RANGE**  
Up to 255 km WLTP\*  
urban cycle
- > **TIMES\*\***  
Fast recharge < 30 mins  
Standard recharge 4h



## THE CITY E-TRUCK

Agile with superb performance both in terms of range and autonomy, environmentally friendly, quiet, safe and comfortable: the Porter NPE is all this and more. The city e-truck is the only chassis-cab vehicle specifically designed and built for urban missions, to which it responds perfectly thanks to its compact dimensions combined, however, with a large load capacity and remarkable outfitting flexibility. And, thanks to its advanced driver assistance systems (ADAS) and robust construction, the Porter NPE guarantees not only maximum efficiency but also the highest levels of safety

*\*The estimated electric range refers to the 2,650 mm wheelbase version with fixed load box set-up, with a mass of 1,801 kg, and is measured on an urban cycle with a maximum speed of 60 km/h (range of 207 km in the full WLTP cycle). The figures are calculated in accordance with the Worldwide Harmonised Light Vehicles Test Procedure (WLTP) and with a fully charged battery. The actual electric range may vary depending on various factors (e.g. weather conditions, driving style, type of route, vehicle conditions, wear and tear and condition of the traction battery).*

*\*\*Times calculated for the transition from 20% to 70% battery charge.*



# A CONFIGURATION DESIGNED AND DEVELOPED FOR URBAN WORK



## COMPACT

Cab width 1,640 mm  
Minimum length 4,085 mm  
Minimum surface area < 7 m<sup>2</sup>

## USER FRIENDLY

The electronic throttle control system, creeping\* function and electric parking brake make driving easy and smooth, minimising the fatigue and stress caused by congested city traffic.



## ECO FRIENDLY

No polluting emissions: respect the environment and never stop working, even in city centres with increasingly stringent traffic restrictions.



## HIGH PERFORMANCE

Up to 1,055 kg chassis load capacity, rear-wheel drive, and potential for a wide range of set-ups.



## SAFE

The Porter NPE is developed in order to guarantee the highest standards of active driver safety (Advanced Driver Assistance Systems - ADAS) and passive safety (compliance with the latest crash tests, protected positioning of the battery and the chemical composition thereof), and meets all relevant regulations in terms of cyber security (protection from cyber attacks).

*\*Slow driving mode, without using the accelerator, at a controlled maximum speed (8 km/h).*





# ONE CHASSIS FOR ENDLESS SOLUTIONS



## STRENGTH

Higher moment of inertia with reinforced spar/cab wall node.

## STABILITY

Rear-wheel drive and bi-leaf spring suspension.



## 2 CHASSIS VERSIONS

Available in two wheelbases sizes, 2,650 mm and 3,070 mm, for a range of flexible set-ups.

## ROBUSTNESS

High-strength steel spar chassis with box section, maximum dimensions 237 x 65 mm.

WHEELBASE (mm)	2,650	3,070
DIMENSIONS (length/width/height) (mm)	4,085 x 1,640 x 1,840	4,505 x 1,640 x 1,840
GVW (kg)	2,400	2,400
PAYLOAD (kg)	1,055	1,025

## COLOURS



OPAL BLUE



MARBLE WHITE



AMBER ORANGE



JADE GREEN



# ENERGETIC WORKING

## LFP BATTERY 42 KWH 350V

High-performance, long-life LFP (Lithium-ferrophosphate) battery, which is safe due to its stability against temperature variations and the housing located in a protected position between the two chassis spars.

UP TO 255 KM WLTP\*  
URBAN CYCLE

## E-COASTING

Battery regeneration\*\* takes place during vehicle deceleration, enabling range to be recovered.

WARRANTY  
8 YEARS OR  
160,000 KM

## EFFICIENCY

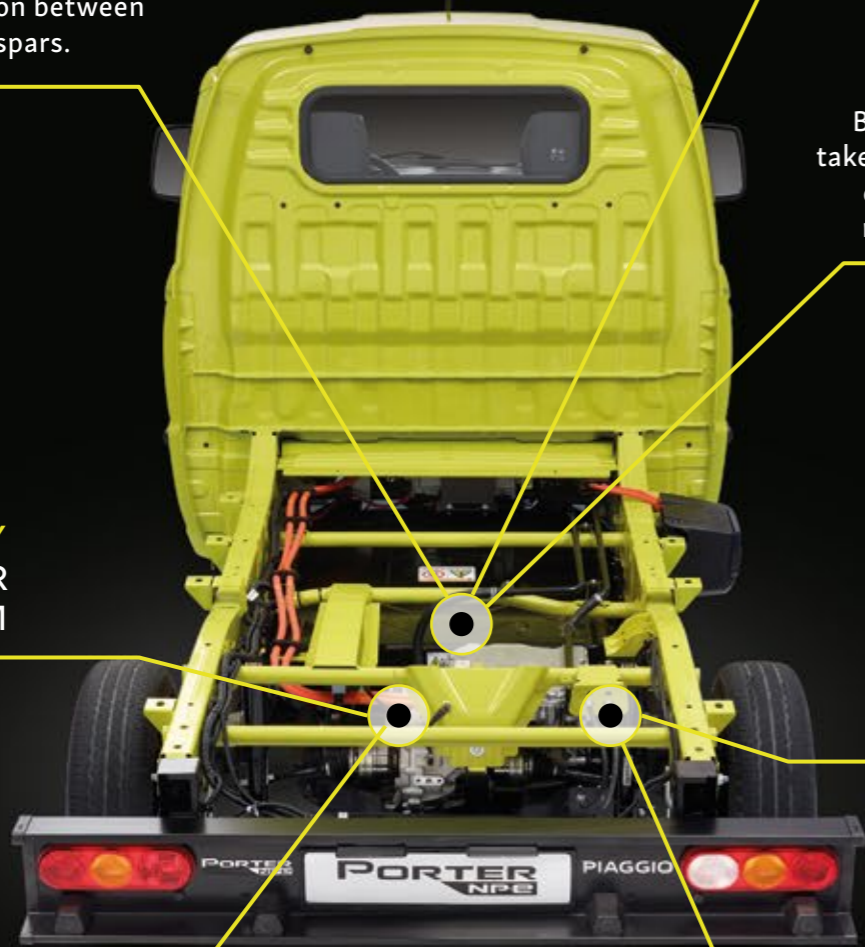
Guaranteed performance in an ambient temperature range of -20°C to +50°C.

## EXTENDED MODE

A function that limits the maximum speed to 70 km/h and enables lower absorption of torque and power, generating an additional range of up to +13% if needed.

## BATTERY MONITORING

Electronic battery health management to ensure longevity and safety.



# RECHARGE TIMES FAST RECHARGE < 30 MINS STANDARD RECHARGE 4H



Calculated for the time taken for the battery to charge from 20% to 70%



AC RECHARGING



up to 11 kW

DC RECHARGING



up to 50 kW

## BATTERY RECHARGE SCHEDULING

Option of scheduling a start time for daily work at 100 per cent charge, and to schedule battery pre-heating for immediate start in low temperatures.

\*The estimated value of the electro charge range refers to the 2,650 mm wheelbase version with fixed load bed set-up and a mass of 1,801 kg, and is measured on an urban cycle with a maximum speed of 60 km/h (range of 207 km in the full WLTP cycle). The figures are calculated in accordance with the Worldwide Harmonised Light Vehicles Test Procedure (WLTP), and with a fully charged battery. The actual electric range may vary depending on several factors (e.g. weather conditions, driving style, type of route, vehicle condition, wear and tear, and condition of the traction battery).

\*\*Function which is implemented when the battery charge is less than 95%

# POWER YOUR WORK

The Porter NPE offers a **totally environmentally-friendly** solution that guarantees uninterrupted access to restricted traffic zones. The **100% electric engine** also reduces driver stress due to the absence of the vibrations and noise typical of thermal engines, and ensures operating economies thanks to reduced maintenance.

## SPEED

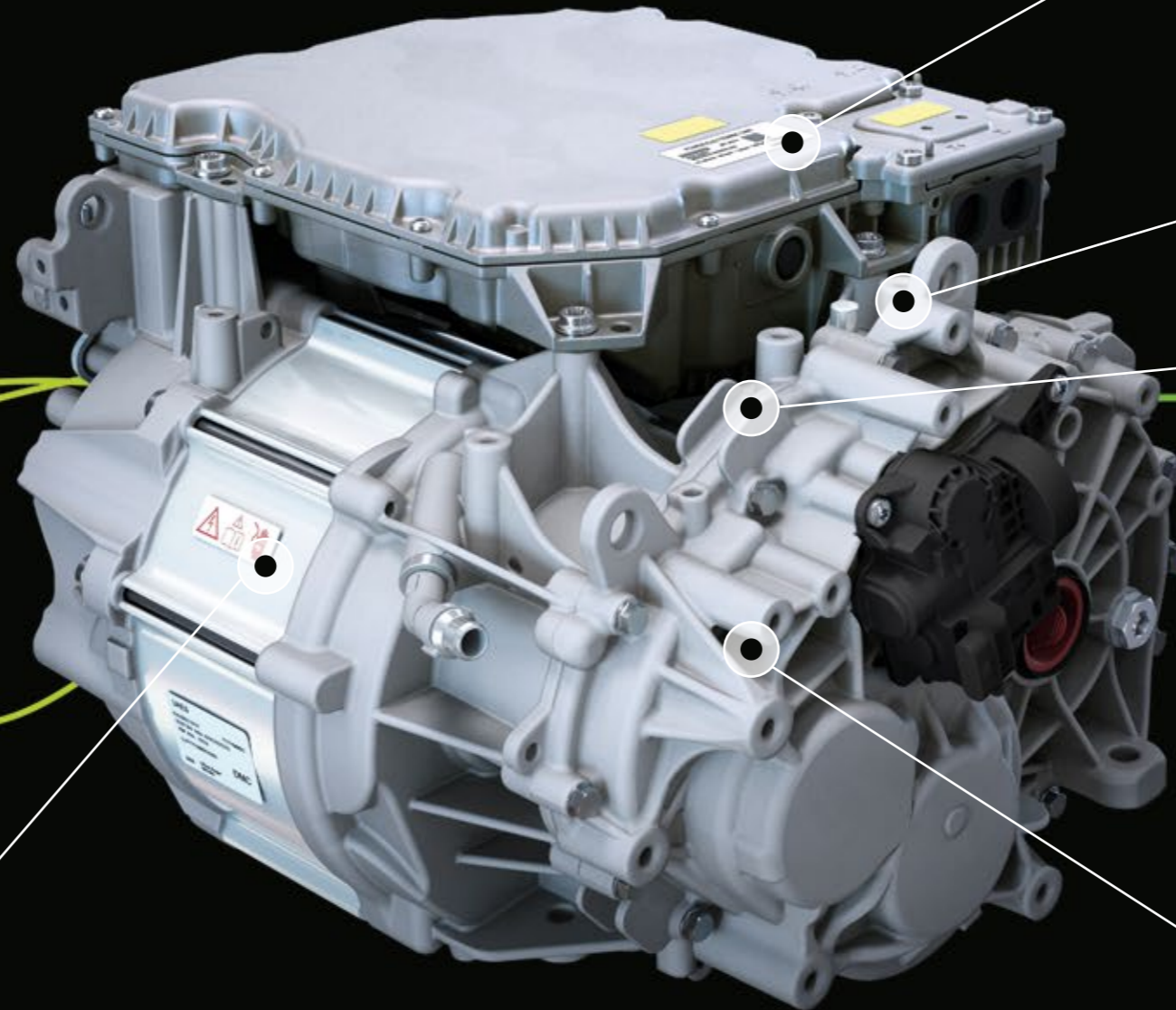
Max 90 km/h  
(Extended mode - max speed 70 km/h)

## TORQUE

Peak 330 Nm  
Continuous 128 Nm

## POWER

Peak 150 kW  
Continuous 60 kW



## CONFIGURATION

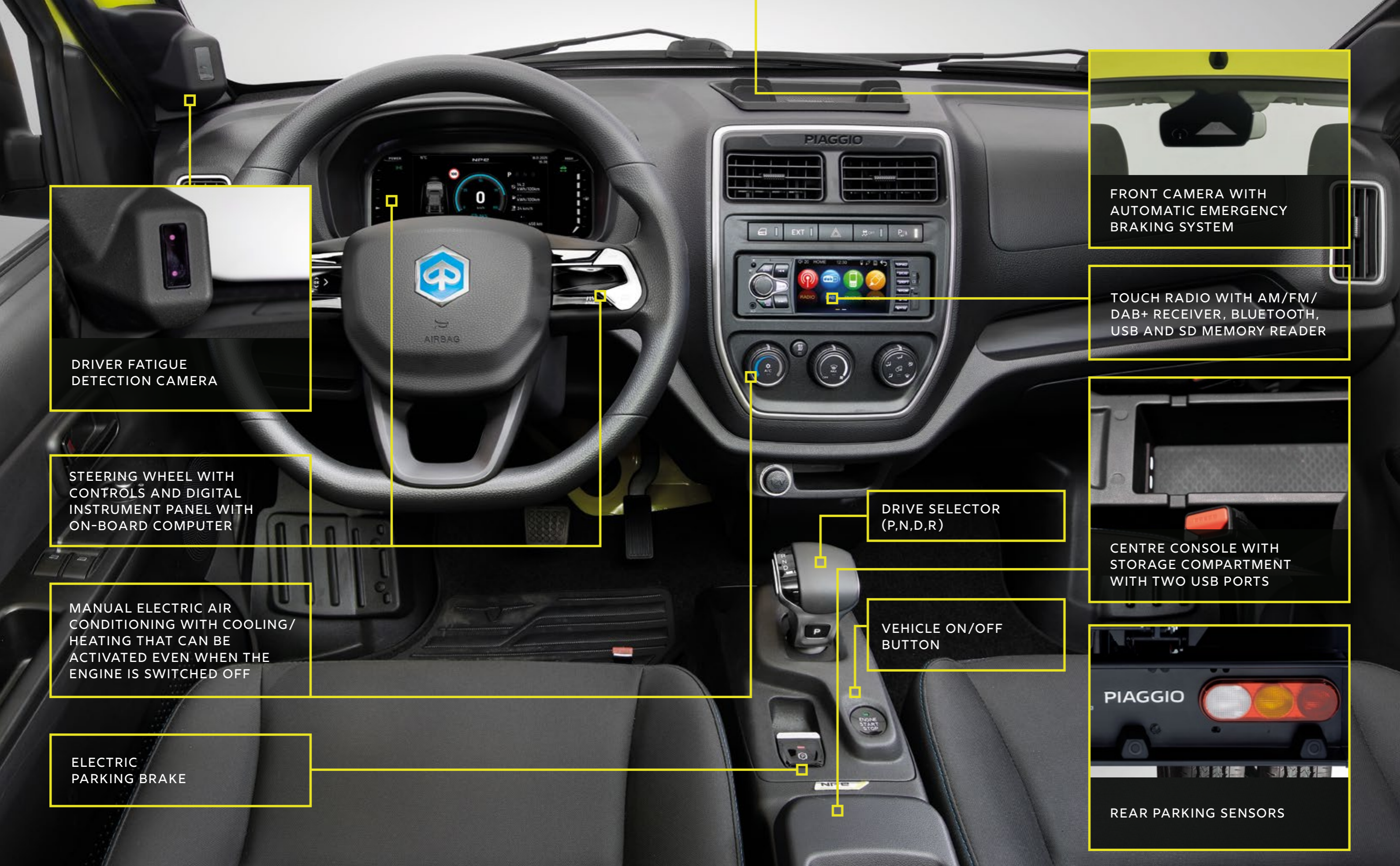
The Porter NPE is powered by the Electric Drive Unit (EDU), a **compact (3-in-1)** system which incorporates an electric motor, inverter and transmission. This modern technological solution minimises weight and bulk, and its unique approach to thermal and energy management maximises performance while safeguarding battery autonomy. This ensures the end customer can enjoy high-level, durable performance at full load.

## GRADEABILITY

The excellent torque offered by the engine of the Porter NPE ensures that work can be carried out even on steep slopes.







DRIVER FATIGUE  
DETECTION CAMERA

STEERING WHEEL WITH  
CONTROLS AND DIGITAL  
INSTRUMENT PANEL WITH  
ON-BOARD COMPUTER

MANUAL ELECTRIC AIR  
CONDITIONING WITH COOLING/  
HEATING THAT CAN BE  
ACTIVATED EVEN WHEN THE  
ENGINE IS SWITCHED OFF

ELECTRIC  
PARKING BRAKE

FRONT CAMERA WITH  
AUTOMATIC EMERGENCY  
BRAKING SYSTEM

TOUCH RADIO WITH AM/FM/  
DAB+ RECEIVER, BLUETOOTH,  
USB AND SD MEMORY READER

CENTRE CONSOLE WITH  
STORAGE COMPARTMENT  
WITH TWO USB PORTS

REAR PARKING SENSORS

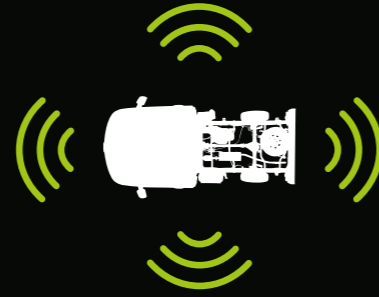
DRIVE SELECTOR  
(P,N,D,R)

VEHICLE ON/OFF  
BUTTON



# SAFETY SYSTEMS

The Porter NPE complies with the strictest European standards in terms of active and passive safety (GRS II - General Safety Regulation, step 2), enabling the operator to work with total peace of mind as well as full efficiency.



**ELKS**

## EMERGENCY LANE KEEPING ASSIST

A front camera detects road markings so that the system can warn the driver that they are moving out of the lane, and where the driver does not correct the steering, the system intervenes, bringing the vehicle back into the lane.

**DDAW**

## TIREDNESS ALERT OF THE DRIVER

Monitors the driver's attention level and provides a warning where necessary

**ISA**

## INTELLIGENT SPEED DETECTION SYSTEM

A front camera recognises speed limit signs, allowing the system to warn the driver if the speed limit is exceeded.

**TSM**

## TRAILER SWAY MITIGATION

Reduces the potential for excessive skidding of the trailer when braking, steering or due to crosswinds.

**ECALL**

## ECALL

In the event of an accident, the device automatically initiates a call so that roadside assistance can be received promptly, anywhere in Europe.

**HBA**

## HYDRAULIC BRAKE ASSIST

Generates the maximum braking power available should the pressure exerted on the brake pedal not be sufficient.

**ARP**

## ACTIVE ROLL-OVER PREVENTION

The system recognises an imminent roll-over and selectively applies braking force to the wheels, bringing the vehicle back into a stable position.

**TCS**

## TRACTION CONTROL SYSTEM

Detects a difference in speed between the drive wheels and applies braking force to the wheel rotating at higher speed.

**PCW**

## PARKING COLLISION WARNING

4 sensors installed on the rear bumper detect the presence of obstacles and signal their increasing proximity via an acoustic warning in order to facilitate reversing manoeuvres and minimise the probability of collision

**AEB**

## AUTONOMOUS EMERGENCY BRAKING

Uses the front camera to detect potential collisions with vehicles, pedestrians or cyclists, providing a frontal collision warning and automatically braking to avoid impact and/or reduce severity.

**AVAS**

## ACUSTIC VEHICLE ALERT SYSTEM

This system emits a sound to warn pedestrians and cyclists of the proximity of the vehicle, until a speed of 20 km/h is reached.

**EPL**

## ELECTRIC PARKING LOCK

When the "P" (parking) driving mode is engaged, this system activates a mechanical transmission lock that prevents unintended vehicle movement.







## EQUIPMENT

The Porter NPE is equipped with a wide range of devices to improve the quality of life on board and the functions of the vehicle, as well as to meet a host of specific professional requirements.

Electric air cooling and heating

DAB/DAB+ touchscreen radio with bluetooth

Steering wheel with controls

Digital instrument panel with multilingual on-board computer

Heated rear view mirrors which can be folded and adjusted electrically

Power windows

Centre console with storage compartment with two USB ports

Vehicle on/off button (Start & Stop)

AC charging cable (length 6m)

12V power socket

Glasses holder compartment

Mobile phone holder with USB charging port

Electric headlight level adjustment

Fog lights

Rear parking sensors

Hill holder

Electric power steering

Electric parking brake

Tyre pressure monitoring system (TPMS)

Electric immobiliser

Parabolic spring rear suspension

Rain and dusk sensor

Fix & Go kit Fitters connector

Driver and passenger airbag

Electronic stability control system (ESC)

Anti-lock braking system (ABS)

Electronic brakeforce distribution system (EDB)

Traction control system (ASR)





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guarantee

2 YEAR'S  
roadside assistance

as indicated in brochures

DEALER'S STAMP



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