

TYN·e

OPERATION MANUAL



1 General information

1.1 Copyright

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This documentation is intended for use by the operator of the vehicle only. It contains instructions and notes that may not, either wholly or in part, be duplicated, distributed or transferred by means of data technology or be used for the purposes of competition without due authorisation.

Infringements may result in criminal prosecution.

1.2 General information about this manual

This manual applies to all versions of the TYN-e TX vehicle family, to all associated coachwork offered by the factory as well as all levels of equipment.

All available equipment configurations are described, without identifying them as being special equipment, model versions or market-dependent levels of trim. This means that all the equipment components that are described in this operating manual may not be present on your vehicle.

The pictures in this operating manual are for illustrative purposes only and should be regarded as general information. The illustrations may differ from your vehicle.

Tyn-e is engaged continuously in further development of the vehicles. Therefore, changes in shape, level of equipment and technology are possible at any time. The information stated in this operating manual corresponds to the status of information available at the time of going to press.

No legal liability can therefore arise from the technical details, illustrations and information in this operating manual.

1.3 Digital version of this operating manual

In the interests of environmental protection, this manual contains only the most important information about the operation of the vehicle and its maintenance.

The digital version of this operating manual contains exhaustive information about the operation of the vehicle.

! NOTICE

The digital version of the operating manual is updated continuously.

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2 Important information and safety

2.1 General information

This manual provides basic information that you require for the safe and efficient operation of your Tyn-e but we nevertheless would like to offer some additional recommendations.

- Familiarise your passengers with potential accident and injury risks due to the improper use of the Tyn-e or its systems.
- You are obliged always to comply with the applicable statutes and regulations of the country in which you are located. This may differ locally from the details contained in this operating manual.
- A failure to comply with the descriptions contained in this operating manual can have an adverse effect on safety and reliability.
- If the use of a workshop is referred to in this manual, we recommend that you visit your Tyn-e service agent.

2.2 Warning and safety instructions

You will encounter various warning and safety instructions in this manual. They refer to potential hazards and may provide additional information if necessary. The warning and safety instructions should be read attentively and complied with.

DANGER

If these warnings are ignored, severe mishaps and fatalities may result.

Warnings such as these tell you what to do or what you must refrain from doing in order to reduce the risk of severe injuries or even fatalities for yourself and others.

WARNING

If these warnings are ignored, severe mishaps may occur.

Warnings such as these tell you what to do or what you must refrain from doing in order to reduce the risk of severe injuries or mishaps for yourself and others.

NOTICE

The symbol above indicates mandatory preventive measures or additional helpful information.

If these instructions are not complied with, damage to your Tyn-e or its equipment may result.

2.3 Before driving off

Here are a few things that should be checked before driving off:

- Check your Tyn-e by making a brief walk around to determine whether everything is undamaged and if any obstacles are present.
- All windows, mirrors, external lighting and number plates must be functioning as well as being free of dirt, ice and snow.
- Mirrors, seats and safety belts must be adjusted correctly.
- If necessary, check that the brakes are functioning properly at low speed, especially when the brakes are damp.
- Any load that may be present must be stowed securely.

2.4 High-voltage system

Your Tyn-e is equipped with a high-voltage system, which supplies power to the entire vehicle.

- All high voltage parts are identified by orange cables and connections.
- Work on the high-voltage system may only be performed by appropriately qualified specialists.
- The vehicle may not be taken into service in the event of visible damage to the high-voltage system and should be recovered and inspected by your service agent.

2.5 Charging the vehicle

WARNING

Risk of fire due to intense heat being generated in the cables.

The charging cable should be unrolled completely during the charging process.

DO NOT USE EXTENSION CABLES SUCH AS CABLE REELS!

2.6 Recommendations for general use of the vehicle

Here are a few tips for the general use of the vehicle that will enable you to enjoy the use and pleasure of your Tyn-e for as long as possible.

- Always ensure that there is an adequate level of charge before driving away.

We recommend that charge level not be allowed to drop below 20 % unnecessarily.

- In the event of extended downtime, first charge the battery to at least 50-70%.
- In colder temperatures, the performance of the battery and the drive when you drive away is possibly less than that to which you are accustomed.
- Avoid charging when the vehicle has cooled down completely.

The best option is to charge your Tyn-e immediately after any extended journey.

2.7 What to do in the event of protracted downtime

The 12 V battery of your Tyn-e is then charged only when the vehicle is started as described under »Starting your Tyn-e«.

Should your Tyn-e be parked for an extended period of time, we recommend that the 12 V battery be disconnected. The battery is located at the front below the bonnet.

For detailed information see: »Jump starting«

When the battery is disconnected, you can lock or unlock your Tyn-e mechanically by using the key, as described under »Locking / Unlocking with the key (mechanical)«.

2.8 Recuperation

As an electric vehicle, your Tyn-e is able to recuperate some of the energy of its movement.

The traction motor becomes a generator by recuperation during deceleration, such as when you lift your foot off the accelerator when driving, and recharges the battery of your Tyn-e to a certain extent.

Recuperation cannot be adjusted in the case of your Tyn-e.

Recuperation takes place when the brakes are applied as well as when the accelerator is released.

Active recuperation is indicated in the vehicle display.

NOTICE

If the vehicle is fully charged (SOC > 90%) or the cell temperature of the battery is lower than -5 °Celsius, recuperation may be limited in order to protect the battery and the electronic components.

The brake lights DO NOT light up during deceleration by recuperation that takes place when the accelerator is released.

2.9 Notes about the safety of children

⚠ WARNING

Do not leave children alone in the vehicle and do not let children carry or use the keys.

Children may start or operate the gear lever of your Tyn-e at will. Children can also injure themselves if they play with the power windows or other devices in your Tyn-e.

Excessively high or low temperatures in the vehicle may likewise result in fatal harm to children.

Use a child seat that is suitable for the age and size of the child when transporting a child.

2.9.1 Child restraint system

ⓘ NOTICE

Take note that the seat and safety belt are intended for adult passengers exclusively.

⚠ DANGER

There is a risk of severe or fatal injuries caused by the improper use of child restraint systems.

Child restraint systems that are not suitable for your Tyn-e or are not installed in your Tyn-e properly do not provide adequate protection in the event of an accident and increase the risk of severe or fatal injuries.

⚠ DANGER

Child restraint systems / ISOFIX

The passenger seat in your Tyn-e is NOT equipped with ISOFIX child restraint systems.

2.10 Towing and recovery

Your Tyn-e is equipped with rear-wheel drive.

The E-drive is a direct drive and cannot be disconnected from the rear axle.

2.10.1 Towing

Your Tyn-e is equipped for a towing eye to be fitted as an option. The actual eye is stowed behind the driver's seat when not in use.



⚠ WARNING

The vehicle may only be towed in an emergency, such as when removing the vehicle from a hazardous situation or recovering it.

A speed of 25 km/h may not be exceeded when being towed.

2.10.2 Recovery

Should it be necessary to recover your Tyn-e, it is important that it not be towed by the recovery vehicle.



The Tyn-e may only be towed if the rear axle is placed on a tow dolly.

The Tyn-e should always be recovered on a flatbed and secured accordingly.



Towing is only intended for short distances and is described under »Towing«.

3 Tips for maximizing range

3.1 General

Below, we would like to give you a few tips and hints to help you maximize the range of your TYN-e.

The following factors influence the range of your TYN-e.

- Your individual driving style
- The weather
- The load
- Protective functions of the propulsion system and the charge status of the high-voltage battery
- The technical condition of your TYN-e

3.2 Your individual driving style

Your driving style has a significant impact on the range of your TYN-e.

- Drive with foresight and caution. Let your TYN-e coast early to consciously use »**Recuperation**«.
- Avoid frequent heavy acceleration and braking.
- The »**ECO mode**« is the standard driving mode. In this mode, you have access to the normal performance of your TYN-e. Only use the »**SPORT mode**« in situations with special requirements, such as inclines with a heavy load. Energy consumption is increased in »**SPORT mode**«. For more information, see »**Driving modes**«.
- If possible, avoid driving at high speeds for long periods of time.

3.3 The weather

The weather has various effects on the range of your TYN-e.

- Low temperatures reduce the performance of the high-voltage battery, lead to higher energy consumption, and can reduce the range of your TYN-e.
- Using the air conditioning and heating consumes additional energy, which can reduce the range. Use these sensibly and avoid unnecessary cooling or heating of the interior.
- Precipitation leads to higher rolling resistance and can reduce the range.

3.4 The load

Your TYN-e is a commercial vehicle. However, the load you carry will affect the range of your TYN-e.

- Avoid carrying unnecessary heavy loads.
- Avoid transporting loads outside the cargo area, for example on the roof.
- Avoid protruding loads. These increase wind resistance.

3.5 Status of the high-voltage battery / protective functions

- The vehicle's drive control system has protective functions that reduce the available power when necessary to prevent damage to drive components.
- When the charge level is high (above 90%), »**Recuperation**« is restricted.
- When the charge level is very low, the power of the high-voltage battery is restricted to protect it from damage.

3.6 The technical condition of your TYN-e

The technical condition of your TYN-e also has an impact on the maximum range.

- Make sure that the tires are in good condition.
- Make sure that the tire pressure is suitable for the load on your TYN-e.
- Keep the exterior of your TYN-e clean. Heavy soiling increases air resistance.
- Make sure that all scheduled maintenance work is carried out.
- In the event of technical defects or damage to body parts, have your TYN-e repaired promptly.

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4 Overview

NOTICE

The illustrations and their descriptions serve only as an example. Variations are possible.

4.1 Vehicle identification

The vehicle identification number (VIN) is stamped into the frame of the vehicle. This is located at the front, beneath the windscreen on the driver's side.

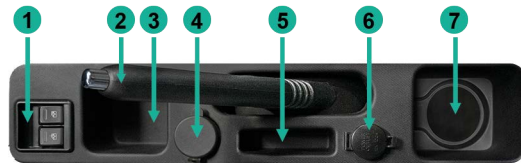


4.2 Cockpit



1	Automatic headlight system / Headlight range regulator
2	Driver's display
3	Storage compartment
4	Ventilation, air-conditioning and heater controls
5	Storage compartment / Drink holder
6	Ventilation (related to the left-hand side)
7	Storage compartment
8	Bonnet release
9	Service hatch release
10	Storage net

4.3 Centre console



1	Power window switch
2	Parking brake
3	Storage compartment
4	USB-A port
5	Storage compartment
6	12 V socket
7	Drink holder / Storage compartment

4.4 Driver's display

You will find further information about the indications and displays under »Tell-tale and warning lamps«, in the digital operating manual and under »Multimedia«.



1	Informational and warning lamps
2	Charging and discharging current of the traction battery
3	Speed
4	Multimedia menu
5	Speed
6	Voltage of the traction battery
7	Trip meter
8	Battery status in percent
9	Battery status bar display
10	Multimedia display / Hands-free function
11	Speed of the traction motor
12	Range remaining (approx.)








4.5 Tell-tale and warning lamps

As can be seen under »Driver's display«, various tell tales warning lamps may be displayed on the upper edge of the display.

The individual colours of the lamps provide an indication of the of how to proceed when they lit up.

4.5.1 Informational lamps






Green/blue: A purely informational lamp or tell-tale, which indicates that a function has been activated.

	Designation	Description
Tell-tales (Information)		
	Recuperation	Your Tyn-e is recuperating energy at this point.
	Position lights	The positions lights are switched on.
	Low (dipped) beam	Low beam is switched on.
	Left-hand indicator	The indicator is active.
	Right-hand indicator	The indicator is active.
	AVAS	The Acoustic Vehicle Alerting System is active.
	High beam	High beam is switched on.

4.5.2 Warning lamps (yellow)

Yellow: Warning lamp that indicates that a system or component is not functioning properly or has been deactivated, or that a function has been activated that may only be used under certain conditions, such as the rear fog lamp.

If a lamp such as this remains lit continuously (exception: rear fog lamp), you should visit your Tyn-e service agent at the first possible opportunity.



	Designation	Description
Warning lamps (yellow)		
	ABS	Anti-skid system fault The ABS is deactivated.
	SOC low	The state of charge of the high-voltage battery is too low.
	Charging	The vehicle is charging.
	High-voltage battery	The high-voltage battery has been disconnected.
	Rear fog lamp	The rear fog lamp is switched on.











4.5.3 Warning lamps (red)

Red: Warning lamp that indicates that a critical system or component has failed.

If a lamp such as this remains lit continuously, then the vehicle should be brought to a halt and not be used for the time being.

If the fault continues to arise, contact your authorised Tyn-e agent.

	12 V battery fault	The 12 V system or the DC/DC converter has a fault.
	Charging plug	A charging plug is plugged into the charging port of your Tyn-e.

	Designation	Description
Warning lamps (red)		
	Traction motor fault	The traction motor has a fault.
	Traction motor overheating	The traction motor has overheated.
	High-voltage battery fault	The high-voltage battery has a fault.
	High-voltage battery overheated	The high-voltage battery has overheated.
	Seat belt reminder	The driver's safety belt has not been fastened.
	Door open	One of the doors is not closed properly.
	Brake system fault	The brake system has a fault.
	Parking brake	The parking brake has been activated.
	Power steering fault	The power steering system has a fault.
	Battery insulation fault	The insulation of the high-voltage battery has a fault.

5 Operation

5.1 Safety

5.1.1 Adjusting the mirrors

The mirrors of your Tyn-e are purely mechanical and cannot be adjusted from inside.

To adjust the mirrors, press the corners of each mirror glass carefully until the desired setting is achieved.

5.1.2 Safety belts

Your Tyn-e is equipped with a safety belt warning system. If you have not fastened your safety belt, a warning signal sounds while you are driving and an appropriate warning indicator is displayed in the display.

WARNING

Always ensure that you have fastened your safety belt properly when driving and that your passengers also use their safety belts.

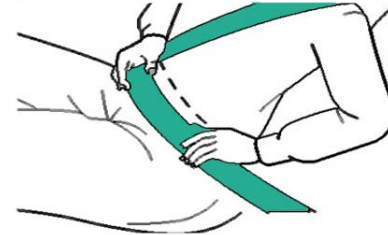
The safety belt must always be kept clean. A heavily soiled safety belt can impair the inertia reel function.

If the safety belt has been damaged or shows any abnormalities, we recommend that you contact your authorised Tyn-e agent.

Do not repair, adjust, install and repair any parts of the belt tensioner or the belt buckle. The safety belts may not be modified in any way.

The safety belts may not be cleaned with benzene, petrol or other organic substances and may not be bleached or dyed.

Fastening the safety belt



- Bring the seat to the correct position and set the backrest at the correct angle.
- Grip the tongue of the safety belt and pull the safety belt out carefully (if the belt is pulled too quickly, it locks).
- Pull the tongue of the safety belt diagonally across your body and engage it by inserting the tongue in the buckle until you hear a clear “click”.



- Pull the tongue in the opposite direction to make sure that locking has taken place successfully.

To unlock the safety belt, press the red button on the buckle and guide the safety belt back to its stowed position.

WARNING

Do not let the belt shoot back to its stowed position, as this may lead to injury or damage to your Tyn-e.

5.2 Unlocking / Locking with the remote control**5.2.1 Locking / Unlocking from outside**

Generally, your Tyn-e is locked or unlocked by using the wireless remote control. Relevant NOTICE about other options is provided below.

5.2.2 Locking

To lock your Tyn-e, press the button



once on your remote control.

The indicators of your Tyn-e flash once, thereby providing a visual indication of locking.

NOTICE

Take care that all doors and hatches are closed, as otherwise your Tyn-e will not be locked.

5.2.3 Unlocking

To unlock your Tyn-e, press the button



on your remote control once and then pull the door handle of the driver's door.. All doors are unlocked simultaneously.

The indicators of your Tyn-e flash twice, thereby providing a visual indication of unlocking.

5.3 Vehicle search function

Your Tyn-e is equipped with a vehicle search function to make it easier to find your Tyn-e in confusing situations.

To activate the function, press the button for more than a second.

**NOTICE**

Your Tyn-e will hoot three times and the indicators will flash about 20 times.

5.4 Locking / Unlocking with the key (mechanical)

The driver's door can also be locked or unlocked mechanically.

To unlock by using the key, insert the key in the lock of the driver's door and turn it to the left.

To lock by using the key, insert the key in the lock of the driver's door and turn it to the right.

All doors are unlocked simultaneously.

5.5 Unlocking from inside

5.5.1 Cabin

To leave the vehicle, pull the appropriate door release handle on the door.



To lock the vehicle from the inside, proceed as described in »Unlocking / Locking with the remote control« or use the small knob above the door release handle (mechanical locking).

5.5.2 Side door (TX1 only)

The side door of your Tyn-e TX1 is unlocked by using the wireless remote control.

⚠ NOTICE

The side door is equipped with an emergency release on the inside. This is located inside on the door.

To open the door from the inside, remove the rubber cap and first pull the upper loop (door unlocks) and then pull the cable by using the eye. (door opens)



5.5.3 Tailgate (TX1 only)

The tailgate of your Tyn-e can only be unlocked by using the remote control.

5.6 Starting your Tyn-e

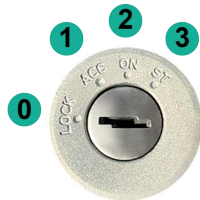
NOTICE

Ensure that the parking brake is engaged and the gear selector switch is set to «N».

You will find more NOTICE about this under: »Gear selection and driving modes«

To start, proceed as follows:

- Apply and hold the foot brake.
- Insert the key in the ignition lock and turn to Position 2 (ON).
- Turn the key to Position 3 once and release(it turns back to Position 2 automatically).



The word «Ready» flashes on the display.

When the word «Ready» no longer flashes and the gear display is shown at the bottom end of the display, your Tyn-e is ready to operate.

5.7 Shutting your Tyn-e down

To shut down, proceed as follows:

- Ensure that the handbrake is applied.
- Turn the gear selector switch to «N».
- Turn the ignition key to Position 0 and remove it.

5.8 Gear selection and driving modes

5.8.1 Gear selection

Your Tyn-e is equipped with three gears.

- R = Reverse or backwards
- N = Neutral
- D = Drive or forwards

You can change gears by using the gear selector switch at the centre of the dashboard.

NOTICE

The gears may only be changed when the vehicle is stationary.



5.8.2 Driving modes

Your Tyn-e has two driving modes.

«ECO» mode is activated whenever the Tyn-e is started.

The currently selected mode is indicated in the display.

- **ECO** (normal mode with normal performance)
- **SPORT** (mode with briefly increased performance)

Sport mode is intended for special requirements.

For overtaking, in the case of steep slopes or other circumstances that require more power.

NOTICE

We recommend that you only use SPORT mode in situations in which additional power is desired or required, such as when travelling downhill under a heavy load or when overtaking.

SPORT mode can reduce the range!

5.8.3 Hill start assist

Your Tyn-e is equipped with a hill start assist.

This results in the traction motor applying a specific amount of power to prevent the vehicle from rolling in an undesired direction.

There are two situations in which this function is activated automatically.

The function cannot be switched off.

Your Tyn-e is on a downhill, is in <R> gear and you wish to reverse uphill.

Your Tyn-e is facing uphill, is in <D> gear and you wish to proceed downhill.

WARNING

DO NOT LEAVE THE VEHICLE WHILE IT IS HOLDING IT-SELF!

5.9 Heating and air conditioning**NOTICE**

The ventilation system of your Tyn-e does not obtain its air from outside the vehicle.
The air is sucked in at the footwell of the passenger and then, after heating or cooling, is blown through the dashboard into the interior.

5.9.1 Heater (PTC)

The heater is switched on by using the «PTC» button.

The temperature cannot be controlled directly.



The speed of the fan is adjusted by using the «+ Fan» and «- Fan» button. The



two buttons on the extreme right of the control panel enable one to select whether air is to be blown into the passenger compartment or onto the windscreen (DEFROST) when, for example, the window panes are fogged up or frozen.

**NOTICE**

If the Windscreen (DEFROST) option has been selected, the fan blows at its strongest setting automatically.

5.9.2 Air conditioning (A/C)

Air conditioning or cooling is activated by using the «A/C» button.



The temperature cannot be controlled directly.

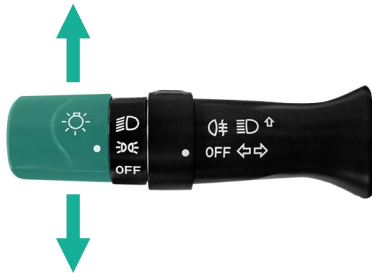
The speed of the fan is adjusted by using the «+ Fan» and «- Fan» buttons.



5.10 Headlights and height adjustment

As soon as your Tyn-e has started, the daytime running lights in the form of LED rings light up in the main headlights.

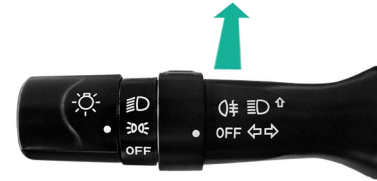
Most of the lighting functions of your Tyn-e are controlled by the two left-hand control stalks on the steering column.



Move the entire stalk upwards to switch the right-hand indicator on.

Move the entire stalk downwards to switch the left-hand indicator on.

Move the entire stalk in the direction of travel to switch the high beam on.



The following lights can be controlled by using the rotary switch at the outer end of the steering column stalk.

- Position lights on
- Low (dipped) beam on

Lights OFF (except daytime running lights)



! NOTICE

Depending on the loading condition, the headlight range of your Tyn-e is adjusted to prevent other road users from being dazzled.

Use the rotary switch on the left-hand side of the dashboard to adjust the height (headlight range) to suit the loading condition.



The rear fog lamp is switched on by using the rotary switch at the centre of the steering column stalk. (Only when low beam is switched on)



5.11 Automatic headlight system

Your Tyn-e is equipped with an automatic headlight system. As soon as it becomes dark or if you drive through a tunnel, your Tyn-e switches the headlights on automatically.

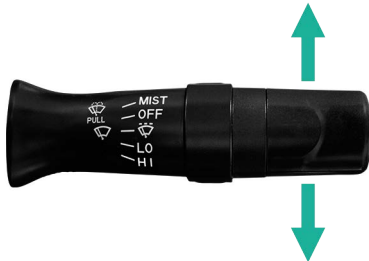
When it is bright enough, the lights are switched off automatically.

The function can be activated or deactivated by using the following button on the left-hand side of the dashboard.



5.12 Windscreen wiper

The windscreen wiper of your Tyn-e is activated by using the left-hand steering column stalk.



The following functions are available:

- Single wipe - move the stalk upwards from the OFF position. The stalk returns to the OFF position automatically.
- Wiper OFF - Control stalk in centre position (OFF)
- Intermittent - move the stalk downwards
- Slow wipe - move the stalk further downwards to the next position (LO)
- Fast wipe - move the stalk completely downwards (HI)
- Windscreen washer function - Pull the stalk backwards

! NOTICE

In order to increase the service life of the wiper blade, avoid allowing the wiper to wipe over a dry windscreen.

5.13 Power windows

! WARNING

The electric power windows do not stop if there is something in the way.

Ensure that nothing is pinched.

The windows of your Tyn-e are electrically operated. You will find the associated switches in the centre console between the seats.

The left-hand switch controls the window of the driver's door and the right-hand switch controls the passenger door window.

Press the button from above to open a window.



Use your finger to grip the button from below and pull it upwards to close the window.

5.14 Seat adjustment

The seat of your Tyn-e can be moved forwards and backwards.

To do so, pull the lever beneath the seat pan and move the seat accordingly.

The inclination of the backrest of the seat can be adjusted.

To do so, sit on the seat and pull the lever (2), and then press against the backrest until the desired position is reached.



⚠ NOTICE

The backrest is spring-loaded. If no pressure is exerted on the backrest, it jumps forwards when the lever is pulled.

5.15 Charging the vehicle (GB/T)

⚠ WARNING

Before charging, ensure that:
you only use the charger that is supplied by Tyn-e.
you have checked the charger for any damage.

ⓘ NOTICE

Your Tyn-e can only be charged with the charger as supplied.

Charging from wall boxes or public AC charging stations is only possible with the specific charger that can be obtained from Tyn-e as an option.

Your Tyn-e CANNOT be charged by DC charging stations!

The charger cable is locked to the vehicle as long as the mains plug is plugged in.

Model TX2 (Flatbed and Box van)

The charging port of your TX2 is located on the left-hand side between the axles, directly behind the cab.



5.15.1 Position of the charging connection

Model TX1

The charging connection of your TX1 is located on the left-hand side behind the rear wheel.



5.15.2 Charging from a domestic power socket

⚠ WARNING

Risk of fire due to the generation of heat.

The charging cable must be unwound completely during the charging process.

Ensure that the domestic installation is in a flawless condition.

DO NOT USE EXTENSION CABLES SUCH AS CABLE REELS OR MULTIPLUGS.

Always clean the charging cable in a dry condition.

Do not use compressed air for the purposes of cleaning.

Do not make any changes or repairs to the charging cable.

⚠ NOTICE

In the interests of safety, always leave the domestic plug unplugged when you leave the cable at home.

Only plug the plug into the domestic power socket once you have switched the Tyn-e off!

Your Tyn-e has been supplied with its own external charger to charge from a normal domestic power socket.



Proceed as follows when charging from a domestic power socket with the Tyn-e charger:

- Open the lid of the charging connection.
- Open the black lid of the charging port.
- Hold the button of the charging gun down and plug the plug connector into the charging port of your Tyn-e.
- Plug the plug connector of the charger into the power socket.

The green indicator lamp at the end of the charging gun pulses.

Similarly, the vehicle display indicates that charging is in progress.

You can read off the actual charging current and charging condition of your Tyn-e in the display. Once your Tyn-e is fully charged:

- Unplug the plug connector of the charger from the power socket.
- Hold the button of the charging gun down and remove the plug connector from the charging port of your Tyn-e.
- Close all lids and hatches.
- Stow the charging cable securely.

5.15.3 Charging from a wall box / at public AC charging station



! NOTICE

Although your Tyn-e has a similar charging connection, it cannot simply be charged from a wall box or at a public AC charging station.

In order to charge from a wall box or at an alternating current charging station, you will require the Type 2 adapter on a domestic plug.

The charging cable of your Tyn-e is not secured against theft and is not locked by the central locking system.

Your Tyn-e TX1 or TX2 CANNOT be charged at a charging station!

In order to charge from a wall box or at a public AC charging station, you will require the optional Type 2 adapter on a Schuko plug.

The optional adapter is equipped with the means to communicate with charging stations and wall boxes.

It ensures that the wall box or charging station limits the charging current delivered to about 10 A (approx 2.3 kW).

Proceed as follows to prepare for charging:

- Plug the charging gun of your Tyn-e charger into the charging port of your Tyn-e.

- Connect the Schuko plug of your Tyn-e charger to the Schuko socket of the optional adapter.
- Connect the white Type 2 connection of the optional adapter to the Type 2 plug of your wall box or charging station.
- If necessary, start the charging process at the wall box or the charging station.

The green indicator lamp at the end of the charging gun pulses.

Similarly, the vehicle display indicates that charging is in progress.

You can see the actual charging current and charging condition of your Tyn-e in the display.

Once your Tyn-e is fully charged:

- Unplug the plug connector of the charging cable from the power socket.
- Hold the button of the charging gun down and remove the plug connector from the charging port of your Tyn-e.
- Close all lids and hatches.
- Stow the charger securely.

5.16 Charging the vehicle (CCS)

⚠ WARNING

Before charging, ensure that:
you have checked the charging equipment for any damage.

5.16.1 Position of the charging connection

Model TX7

The charging connection of your TX7 is located on the left-hand side behind the rear wheel.



5.16.2 Charging from a domestic power socket

⚠ WARNING

Risk of fire due to the generation of heat.

The charging cable must be unwound completely during the charging process.

Ensure that the domestic installation is in a flawless condition.

DO NOT USE EXTENSION CABLES SUCH AS CABLE REELS OR MULTIPLUGS.

Always clean the charging cable in a dry condition.

Do not use compressed air for the purposes of cleaning.

Do not make any changes or repairs to the charging cable.

! NOTICE

In the interests of safety, always leave the domestic plug unplugged when you leave the cable at home.

Only insert the plug in the domestic power socket once you have switched the Tyn-e off.

Your Tyn-e is supplied with its own charging cable for charging from a normal domestic power socket.

5.16.3 Charging from a wall box / public AC charging station



Proceed as follows when charging from a domestic power socket with the Tyn-e charging cable:

- Open the lid of the charging connection.
- Open the black lid of the charging port.
- Plug the charging plug into the charging port of your Tyn-e.
- Plug the plug connector of the charging cable into the power socket.

The green indicator lamp at the end of the charging gun flashes.

Similarly, the vehicle display indicates that charging is in progress.

You can read off the actual charging current and charging condition of your Tyn-e in the display.

Once your Tyn-e is fully charged:

- Unplug the plug connector of the charging cable from the power socket.
- Remove the charging plug from the charging port of your Tyn-e.
- Close all lids and hatches.
- Stow the charging cable securely.



⚠ NOTICE

In order to charge from a wall box or alternating current charging station, you will require the Type 2 adapter on a domestic plug.

The charging cable of your Tyn-e is not secured against theft and is not locked by the central locking system.

In order to charge from a wall box or at a public AC charging station, you will require the optional Type 2 adapter on a Schuko plug.

The optional adapter is equipped with the means to communicate with charging stations and wall boxes.

It ensures that the wall box or charging station limits the charging current delivered to about 10 A (approx 2.3 kW).

Proceed as follows to prepare for charging:

- Plug the charging gun of your Tyn-e charging cable into the charging port of your Tyn-e.
- Connect the Schuko plug of your Tyn-e charging cable to the Schuko socket of the optional adapter.
- Connect the white Type 2 connection of the optional adapter to the Type 2 plug of your wall box or charging station.

- If necessary, start the charging process at the wall box or the charging station.

The green indicator lamp at the end of the charging gun flashes.

Similarly, the vehicle display indicates that charging is in progress.

You can see the actual charging current and charging condition of your Tyn-e in the display.

Once your Tyn-e is fully charged:

- Unplug the plug connector of the charging cable from the power socket.
- Hold the button of the charging gun down and remove the plug connector from the charging port of your Tyn-e.
- Close all lids and hatches.
- Stow the charging cable securely.

5.16.4 Charging at a public charging station

Proceed as follows to prepare for charging:

- Open the charging hatch of your Tyn-e
- Open both covers of the charging connection.
- Remove the charging cable from the charging station.
- Plug the charging cable into the charging connection of your Tyn-e.
- If necessary, start the charging process at the charging station.

Similarly, the vehicle display indicates that charging is in progress.

You can see the actual charging current and charging condition of your Tyn-e in the display.

Once your Tyn-e is fully charged:

- Pull out the plug of the charging cable.
- Clip the plug of the charging cable back on the charging station.
- Close all lids and hatches.

6 Multimedia

! NOTICE

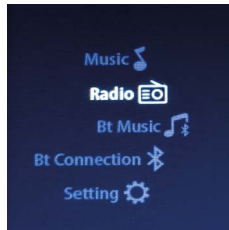
Certain settings cannot be made or changed while driving.

In this case, your Tyn-e must be stationary, the gear selector switch must be set to «N» and the parking brake must be engaged.

6.1 General information

Your Tyn-e is equipped with a comprehensive multimedia system.

These functions are selected directly on the left-hand side of the driver display.

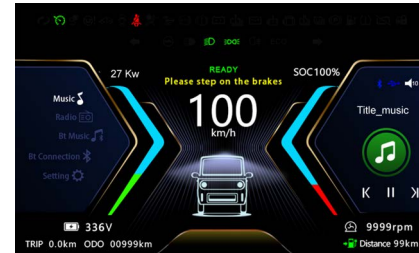


The menu in detail:

- »Music (USB)«
- »Radio (FM)«
- »Music (via Bluetooth)«
- »Bluetooth connection«
- »Settings«

6.2 Music (USB)

In this mode you can play music back via a data storage device in the USB port in the centre console.

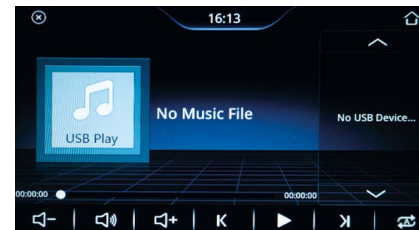


Connect a USB data storage device to the USB port in the »Centre console«.



Press «Music» in the menu..

Your Tyn-e scans the data storage device for music that it contains.



You have the following options in the menu that is displayed:









Top:

-  Close menu
-  Return to the default display

Right:

-  Scroll track list upwards
-  Scroll track list downwards

Bottom:

-  Reduce the volume
-  Mute volume or switch on
-  Increase the volume
-  Previous track
-  Play track
-  Next track
-  Random playback

6.3 Radio (FM)

Your Tyn-e is equipped with an FM radio that enables you to listen to your favourite stations in your area.





Press «Radio» in the menu..



You have the following options in the menu that is displayed:










Top:

-  Close menu
-  Return to the default display

Right:

-  Scroll station list upwards
-  Scroll station list downwards

Bottom:

-  Reduce the volume
-  Mute volume or switch on
-  Increase the volume
-  Previous station
-  Play the station
-  Next station
-  Search for a station

NOTICE

While searching for stations, your Tyn-e searches the frequency range for stations independently and stores them in the sequence in which they were found.

There is no possibility of storing a station independently.

6.4 Music (via Bluetooth)

In this mode you can play music back via a data storage device in the USB port in the centre console.





Press «BT Music» in the menu..








You have the following options in the menu that is displayed:



Top:

-  Close menu
-  Return to the default driver's display

Bottom:

-  Reduce the volume
-  Mute volume or switch on
-  Increase the volume
-  Previous track
-  Play track
-  Next track
-  Random playback

6.5 Bluetooth connection

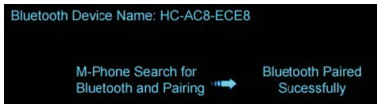
To connect your Tyn-e to your smartphone via Bluetooth, proceed as follows:

- Press «BT Connection» in the menu..

A «**Bluetooth Device Name**» is now shown on the display.

Bluetooth Device Name: HC-AC8-ECE8

- Open the Bluetooth settings on your smartphone and search for «new devices»
- As soon as your smartphone has found the appropriate device, set up the connection and accept the pairing.



Your smartphone is now connected to your Tyn-e.

Once the connection has been set up, you can transfer music or use the »**Hands-free system**« of your Tyn-e.

6.6 Settings





The Setting menu is opened by pressing the «Setting» button.











You have the following options in the menu that is displayed:

Top:

-  Close menu
-  Return to the default driver's display

Centre:

-  Bluetooth
-  General settings
-  Charging screen
-  System Update
-  Firmware Update
-  Factory Reset
-  System information
-  Language settings

6.6.1 Bluetooth settings



See »Music (via Bluetooth)«

6.6.2 General settings

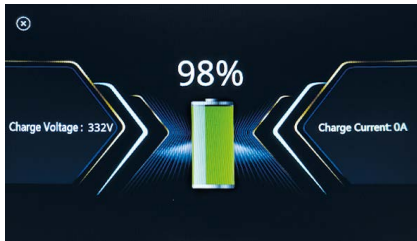
You can scroll through the menu by simply swiping over the screen.



You can implement the following settings on these pages:

- Reset the trip meter
- Set the date and time
- Switch the pedestrian warning tone on / off.
- Adjust the display brightness
- Set the speed warning

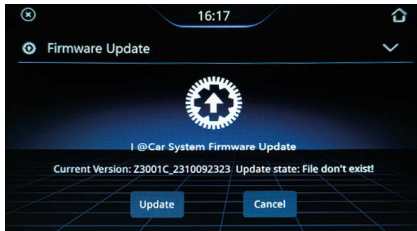
6.6.3 Charging screen



This screen enables you to read off the charge level, actual voltage of the battery and the charging current.

This screen is also displayed while your Tyn-e is charging.

6.6.4 System Update



A system update can be implemented in this window.

! NOTICE

The update can only be executed by your Tyn-e service agent.

6.6.5 Firmware Update



A firmware update can be implemented in this window.

! NOTICE

The update can only be executed by your Tyn-e service agent.

6.6.6 Factory Reset (resetting to factory settings)



This screen enables you to reset the software of your vehicle to the factory settings.

NOTICE

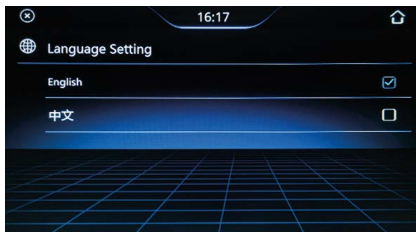
All your settings are lost when a factory reset is executed.

6.6.7 System information (About)



This screen enables you to view the general software status of your Tyn-e.

6.6.8 Language settings



This screen enables you to change the language of the driver's display.

6.7 Hands-free system

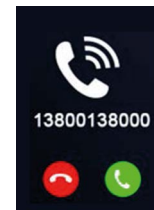
NOTICE

If you wish to use the hands-free system of your Tyn-e, then your smartphone must be connected to the Tyn-e via a »Bluetooth-connection«.

You can then make a call by using the display, provided that the vehicle is stationary and the gear selector switch is set to «N».



The following display appears in the case of incoming calls and the name or number of the caller is displayed.



Pressing the button marked  enables you to accept the call.

Pressing the button marked  enables you to reject the call.

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7 Maintenance and service

7.1 General information

As an electric vehicle, your Tyn-e is very low-maintenance, but some things still need to be done and monitored in order to enjoy your Tyn-e for a long time.

You will find further information about the service intervals and the maintenance that needs to be performed in the digital operating manual.

NOTICE

The digital version of the operating manual is updated continuously.



Remove the bonnet carefully and set it down securely.

7.2 Removing the bonnet

You must remove the bonnet of your Tyn-e to enable some of the inspection and maintenance tasks to be performed,

Pull the release handle at the bottom left of the dashboard.



NOTICE

The bonnet does not have hinges and it must be removed and set down safely as soon as it has been opened completely.

Do not place the bonnet upright against the vehicle or lean it against other places as it may tip over and be damaged.

Once the bonnet has been unlocked, grip it with a hand placed centrally underneath it and unlock the catch hooks.

7.3 Topping up the windscreen washer water

NOTICE

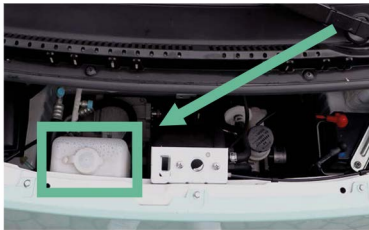
We recommend that, if possible, municipal tap water not be used to fill the windscreen washer reservoir as this may, under certain circumstances, block the lines and nozzles.

Always top up with sufficient cleaning agent and check the level regularly.

Antifreeze windscreen washer should be added when temperatures drop below 5 °C.

The bonnet of your Tyn-e must be removed to enable the windscreen washer water to be checked, see »Removing the bonnet«.

The windscreen washer reservoir is located at the front below the bonnet.

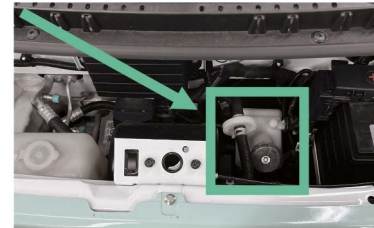


7.4 Checking the brake fluid level

The bonnet of your Tyn-e must be removed to enable the brake fluid level to be checked, see »Removing the bonnet«.

The brake fluid reservoir is located to the left of the centre beneath the bonnet.

The fluid level in the reservoir must lie between the MIN and MAX marks.



WARNING

Should the level lie below the MIN mark, contact your authorised Tyn-e agent or another appropriate specialist service provider.

7.5 Checking the coolant level (TX7 only)

The high-voltage battery and the traction motor unit of the TX7 are liquid cooled.

The bonnet of your Tyn-e must be removed to enable the coolant level to be checked, see »**Removing the bonnet**«.

The coolant reservoir is located at the front below the bonnet.

The fluid level in the reservoir must lie between the MIN and MAX marks.

**! NOTICE**

Should the level lie below the MIN mark, contact your authorised Tyn-e agent or another appropriate specialist service provider.

7.6 Jump starting

Should, at some stage, the 12 V battery of your Tyn-e be completely depleted, you can simply jump start it.

! NOTICE

The donor vehicle or the jump start device must only be connected to the battery of your Tyn-e until it starts, as described under »Starting your Tyn-e«.

Proceed as follows to jump start the vehicle:

- Remove the bonnet, see »**Removing the bonnet**«.
- Open the cover of the positive pole of the battery.
- Connect the red cable of the jump start device to the positive pole of the battery.
(If another vehicle is used as the donor, then the two positive poles of the vehicles must be connected with an appropriate cable.)
- Connect the black cable of the jump start device to the negative pole of the battery.
(If another vehicle is used as the donor, then the two earthing points or negative poles of the vehicles must be connected with an appropriate cable.)
- **»Starting your Tyn-e«**
- Disconnect the jump start device or donor vehicle from your Tyn-e.

7.7 Tyre pressure

⚠ WARNING

The correct tyre pressure is important for safety when driving and the service life of the tyres.

Check the tyre pressures of your tyres at regular intervals and adjust them to match the loading condition.

ⓘ NOTICE

The Tyn-e models have various wheel sizes and wheel hubs, depending on the model.

For more information, see »Technical data«

Your Tyn-e is not equipped with a spare tyre or puncture repair kit.

TX1		
Loading condition	Front	Rear
Unladen / lightly laden	2.80 bar	2.80 bar
Fully loaded	3.40 bar	3.40 bar
TX2		
Loading condition	Front	Rear
Unladen / lightly laden	2.80 bar	3.40 bar
Fully loaded	3.40 bar	4.50 bar
TX7		
Loading condition	Front	Rear
Unladen / lightly laden	2.80 bar	3.80 bar
Fully loaded	3.00 bar	4.50 bar

7.8 Service hatch (Diagnostics interface)

The service hatch is located to the left of the steering wheel. The diagnostics interface (OBD) is located behind this hatch.



This interface enables your service agent or the technical inspection organisation to communicate with the systems of your Tyn-e.

8 Troubleshooting

We do everything possible to ensure that problems arise infrequently, but here you will find some brief notes about how to deal with faults and rectify problems with your Tyn-e.

8.1 Vehicle does not start

8.1.1 Remedy 1

- Check whether the 12 V battery is perhaps depleted.
- Jump start your Tyn-e as described under »Jump starting«.

8.1.2 Remedy 2

- Remove the ignition key.
- Wait a minute.
- Re-insert the ignition key,
- »Starting your Tyn-e«

8.1.3 Remedy 3

- Open the bonnet.
- Disconnect the negative pole (black) of the 12 V battery.
- Wait five minutes.
- Reconnect the negative pole and install the bonnet.
- »Starting your Tyn-e«

8.2 Vehicle does not move

8.2.1 Remedy 1

- Ensure that the gear selector switch is set to N when starting.
- Ensure that the parking brake has been released.
- Remove the ignition key.
- Re-insert the ignition key,
- »Starting your Tyn-e«

8.3 Vehicle does not charge from the plug

8.3.1 Remedy 1

- Check whether the charger has a fault (LED glows red) (TX1 and TX2 ONLY).
- If so, first unplug the charger from the plug and then from the vehicle.
- Connect the charger to the vehicle from scratch.

8.3.2 Remedy 1

- Test another socket.

8.4 Vehicle does not charge from the wall box / charging station

8.4.1 Remedy 1

- End the charging process
- Disconnect the charging plug from the vehicle.
- Connect the charging plug to the vehicle.
- Restart the charging process at the charging station according to the circumstances.

8.4.2 Remedy 2 (Wall box / charging station defective)

- End the charging process
- Disconnect the charging plug from the vehicle.
- Find another wall box, charging station or charge from a domestic power socket by using your Tyn-e charging cable.

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9 Technical data

9.1 TX1

9.1.1 Views



9.1.2 Data

Dimensions / Weight	
Feature	Value
Dimensions L x B x H (mm)	3490 x 1465 x 1685
Track - Front / Rear axle	1250 / 1250
Wheelbase (mm)	2350
Overhang - front / rear (mm)	480 / 660
Departure angle - front / rear (°)	30 / 25
Minimum ground clearance (mm)	140
Turning circle (m)	9
Kerb weight (kg)	930
Maximum permissible gross laden weight (kg)	1550
Load (kg)	620
Internal dimensions of the load space, measured above wheel arches, L x B x H (mm)	1405 x 1265 x 1125
Laad volume (m³)	2
Battery	
Feature	Value
Type of battery	Lithium iron phosphate (LiFePo4)
Rated voltage (V)	320
Capacity (kWh)	17.03
BMS	Yes
Charging time, AC 230 V, 20-80% (h)	5.5
WLTP range (km)	135
Motor	
Feature	Value
Type of motor	PSM - Permanent Magnet Synchronous Motor
Drive	Rear axle
Protection class	IP67
Insulation material class	H
Power - continuous / peak (kW)	15 / 30
Top speed (km/h)	80
Gradeability (max.) (%)	> 25
Speed levels	R - N - D

Chassis	
Feature	Value
Front suspension	MacPherson independent suspension
Rear suspension	Leaf springs - Rigid axle
Rim size, front	13 x 4.50 (4 x 100)
Rim size, rear	13 x 4.50 (5 x 114.3)
Tyre size, front	165 / 70R13 C LI 83
Tyre size, rear	165 / 70R13 C LI 83
Torque for rims (steel) (Nm)	120
Tyre pressure, unladen (front / rear) (bar)	2.80 / 2.80
Tyre pressure, laden (front / rear) (bar)	3.40 / 3.40

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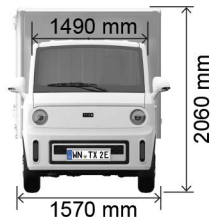
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9.2 TX2

9.2.1 Views



9.2.2 Data

Dimensions / Weight of the TX2-B	
Feature	Value
Dimensions L x B x H (mm)	4400 x 1570 x 2060
Track - Front / Rear axle	1250 / 1310
Wheelbase (mm)	2800
Overhang - front / rear (mm)	480 / 1120
Departure angle - front / rear (°)	28 / 18
Minimum ground clearance (mm)	125
Turning circle (m)	12
Kerb weight (kg)	1100
Maximum permissible gross laden weight (kg)	1800
Load (kg)	700
Internal dimensions of the load space, L x B x H (mm)	2375 x 1490 x 1270
Laad volume (m³)	4.49
Dimensions / Weight of the TX2-P	
Feature	Value
Dimensions L x B x H (mm)	4400 x 1570 x 1695
Track - Front / Rear axle	1250 / 1310
Wheelbase (mm)	2800
Overhang - front / rear (mm)	480 / 1120
Departure angle - front / rear (°)	28 / 18
Minimum ground clearance (mm)	125
Turning circle (m)	12
Kerb weight (kg)	1045
Maximum permissible gross laden weight (kg)	1800
Load (kg)	755
Internal dimensions of the load space, measured above wheel arches, L x B x H (mm)	2360 x 1490 x 360
Laad volume (m³)	/

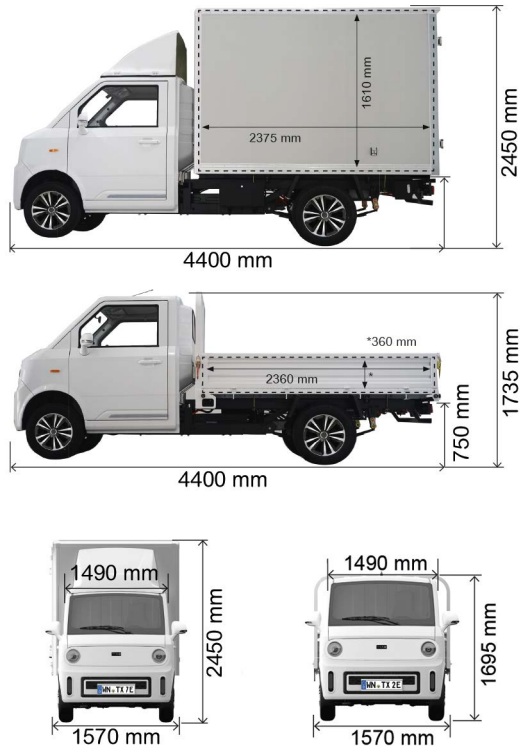
Battery	
Feature	Value
Type of battery	Lithium iron phosphate (LiFePo4)
Rated voltage (V)	320
Capacity (kWh)	17.03
BMS	Yes
Charging time, AC 230 V, 20-80% (h)	5.5
WLTP range, TX2-B / TX2-P (km)	101 / 107
Motor	
Feature	Value
Type of motor	PSM - Permanent Magnet Synchronous Motor
Drive	Rear axle
Protection class	IP67
Insulation material class	H
Power - continuous / peak (kW)	15 / 30
Top speed (km/h)	80
Gradeability (max.) (%)	> 25
Speed levels	R - N - D
Chassis, TX2-B and TX-P	
Feature	Value
Front suspension	MacPherson independent suspension
Rear suspension	Leaf springs - Rigid axle
Rim size, front	13 x 4.50 (4 x 100)
Rim size, rear	14 x 5.00 (5 x 114.3)
Rim size, front	165 / 70R13 C LI 83
Tyre size, rear	175 / 70R14 C LI 99
Torque for rims (steel) (Nm)	120
Tyre pressure, unladen (front / rear) (bar)	2.80 / 3.80
Tyre pressure, laden (front / rear) (bar)	3.40 / 4.50

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9.3 TX7

9.3.1 Views



9.3.2 Data

Dimensions / Weight of the TX7-B	
Feature	Value
Dimensions L x B x H (mm)	4400 x 1570 x 2450
Track - Front / Rear axle	1270 / 1330
Wheelbase (mm)	2800
Overhang - front / rear (mm)	480 / 1120
Departure angle - front / rear (°)	28 / 18
Minimum ground clearance (mm)	125
Turning circle (m)	12
Kerb weight (kg)	1265
Maximum permissible gross laden weight (kg)	2400
Load (kg)	1135
Internal dimensions of the load space, L x B x H (mm)	2360 x 1490 x 1610
Laad volume (m³)	5.7
Dimensions / Weight of the TX7-P	
Feature	Value
Dimensions L x B x H (mm)	4400 x 1570 x 2450
Track - Front / Rear axle	1270 / 1330
Wheelbase (mm)	2800
Overhang - front / rear (mm)	480 / 1120
Departure angle - front / rear (°)	28 / 18
Minimum ground clearance (mm)	125
Turning circle (m)	12
Kerb weight (kg)	1200
Maximum permissible gross laden weight (kg)	2400
Load (kg)	1200
Internal dimensions of the load space, measured above wheel arches, L x B x H (mm)	2375 x 1490 x 360

Laad volume (m³)	/
Battery	
Feature	Value
Type of battery	Lithium iron phosphate (LiFePo4)
Rated voltage (V)	320
Capacity (kWh)	28.8
BMS	Yes
Charging time, AC 230 V, 20-80% (h)	9
Charging time, DC (CCS) 20-80% (h)	0.75
WLTP range, TX7-B / TX7-P (km)	150 / 181
Motor	
Feature	Value
Type of motor	PSM - Permanent Magnet Synchronous Motor
Drive	Rear axle
Protection class	IP67
Insulation material class	H
Power - continuous / peak (kW)	30 / 60
Top speed (km/h)	80
Gradeability (max.) (%)	> 25
Speed levels	R - N - D
Chassis, TX7-B and TX-P	
Feature	Value
Front suspension	MacPherson independent suspension
Rear suspension	Leaf springs - Rigid axle
Rim size, front	14 x 5.00 (5 x 114.3)
Rim size, rear	15 x 6.00 (5 x 114.3)
Rim size, front	165 / 70R14 C LI 81
Tyre size, rear	195 / 70R15 LT LI 104
Torque for rims (steel) (Nm)	120

Tyre pressure, unladen (front / rear) (bar)	2.80 / 3.80
Tyre pressure, laden (front / rear) (bar)	3.00 / 4.50

9.4 External charger

Feature	Value
Rated power (W)	2000
Input voltage (V AC)	175 - 265
Output voltage (V DC)	250 - 500
Output current (A)	0 - 5.5
Protection class	IP65

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