

**create  
space**  
and never  
forget



**EXPANDABLE**  
movable spaces

User manual

POD

25ft


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# Foreword

 This manual is intended for drivers and/or other users of the Expandable Pod 25 ft Gen2 and contains the necessary information for its use. This user manual must always be kept with the vehicle. For service technicians, a separate maintenance and repair manual is available via the website: [www.expandable-trailers.com](http://www.expandable-trailers.com).

## Effective Use:

A Expandable Pod 25 ft Gen2 is designed for independent use. Modifications of any kind can affect the safety of the system. Both the warranty on products from Expandable b.v and the homologation will be void if these products are modified without written permission from Expandable B.V.. If the Expandable Pod 25 ft Gen2 is not used according to the instructions provided by Expandable B.V., all warranty claims against Expandable B.V. or suppliers of the Expandable Pod 25 ft Gen2 will be declared invalid.

Before the system is put into use, it must be established that the Expandable Pod 25 ft Gen2 complies with national road traffic legislation. The system may only be used in accordance with the manuals of the and the Expandable Pod 25 ft Gen2.

The images in this manual are for example purposes only and are not intended for any other use. The images shown may differ slightly from the delivered system.



*All safety information is described in the relevant chapter (See "Safety & Environment on page 36"). In the remaining chapters, safety risks are symbolised using pictograms.*

## Contact information

Expandable B.V.  
Meerheide 25  
Eersel  
The Netherlands  
Phone: +31 (0)85 890 21 88  
[www.expandable-trailers.com](http://www.expandable-trailers.com)  
[info@expandable.nl](mailto:info@expandable.nl)

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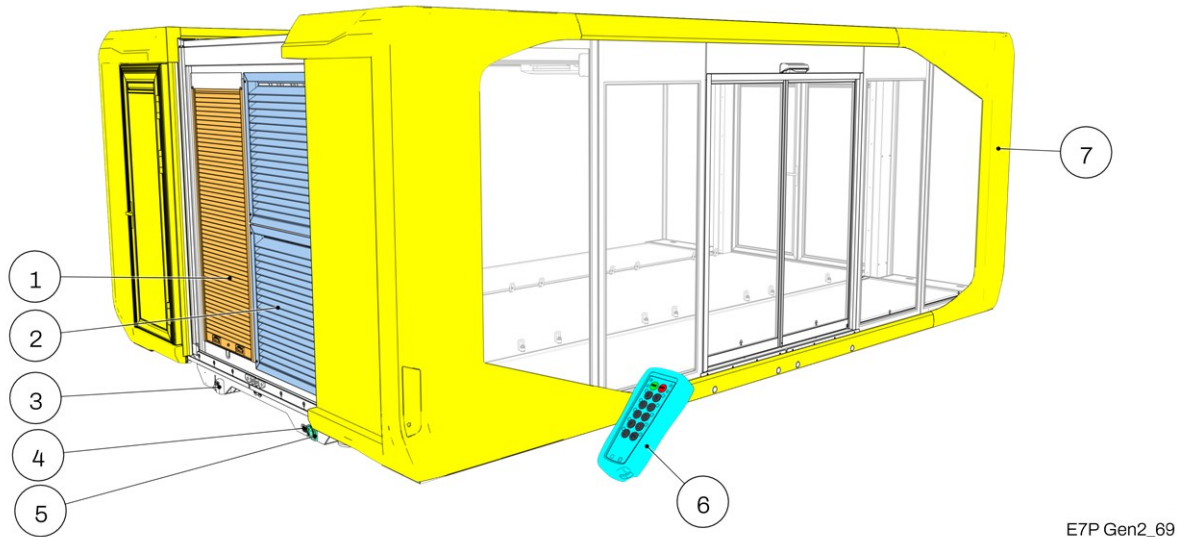
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Date of issue: 31/03/2026 Original version: 1.0

## 1. Description

*This chapter describes the Expandable Pod 25 ft Gen2. Here you will find information about the naming of components and their functions.*

## 1.1 Pod

### Main Components



E7P Gen2\_69

Fig. 1-1

1 Roller Shutter Door - Technical Compartment  
 2 Ventilation Grille  
 3 Key safe  
 4 Type Y connector

5 Main battery switch  
 6 Remote control  
 7 Slide outs

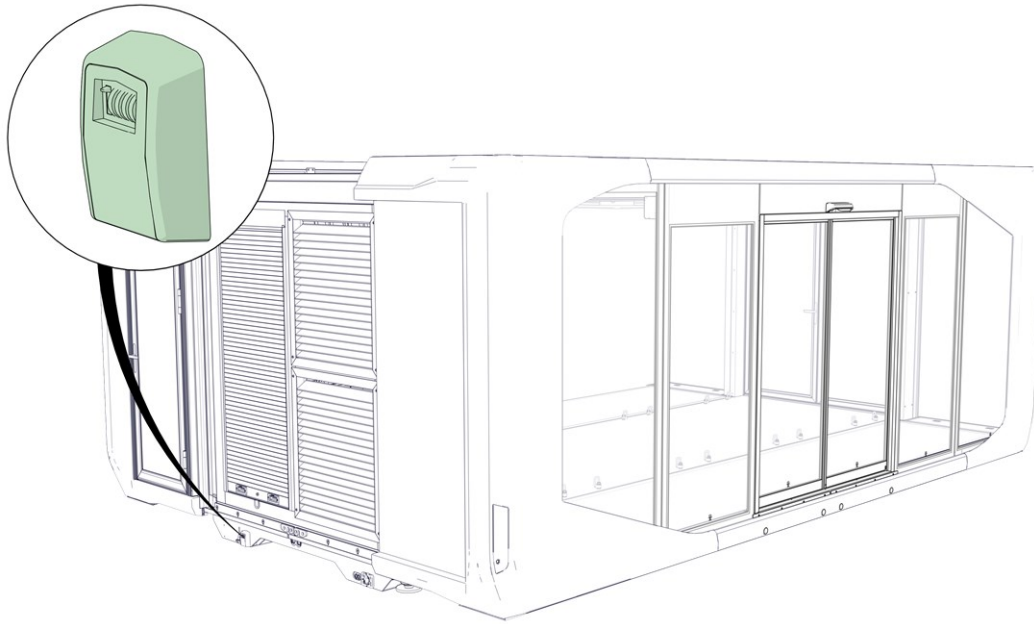
### Usage

During normal use of the Expandable Pod 25 ft Gen2, the power is supplied via a shore power connection. The extension cord available for this purpose is located in the technical area and is accessible through a roller shutter door. The extension cable can be routed outside through the opening beneath the roller shutter door and then connected to the shore power supply. The hydraulic system runs on its own 24 V battery system.

Depending on the chosen configuration, the Expandable Pod 25 ft Gen2 is equipped with optionally available lashing eyes to secure the load on board. The number of built-in wall sockets and floor sockets also depends on the chosen configuration.

### Key Safe

The Expandable Pod 25 ft Gen2 is equipped with a key safe which is located on the chassis at the front of the Expandable Pod 25 ft Gen2 (see "Fig. 1-2"). The key safe is secured with a configurable code. The keys to the access doors are stored in the key safe, so the keys are always kept near the trailer.

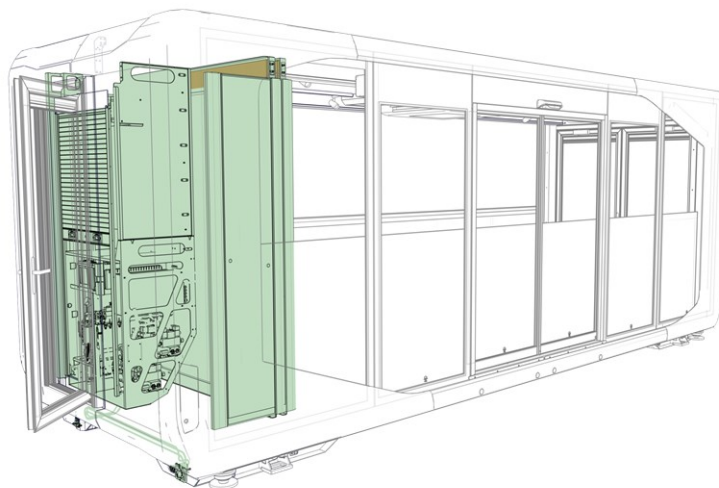


E7P Gen2\_46

Fig. 1-2

### Technical area

The technical area is located inside the Expandable Pod 25 ft Gen2 and contains the control system for the hydraulics, the air conditioning condenser and the electrical control system.



E7P Gen2\_57

Fig. 1-3

The roller shutter is always accessible, via the hatch/door within the slide-out. The roller shutter provides access to the technical compartment, f.e. in the event of an hydraulic malfunction.

## Remote control

The Expandable Pod 25 ft Gen2 can be operated through a remote control ([See "Remote Control Expandable Pod 25 ft Gen2 on page 7"](#)).



P-10107\_01

## 2. Remote control

*This chapter describes the remote control and the functions of the buttons.*

## 2.1 Remote Control Expandable Pod 25 ft Gen2



P-10107\_01



*The remote control is located in the storage box behind the crash protection on the right-hand rear side underneath the Expandable Pod 25 ft Gen2.*

The Expandable Pod 25 ft Gen2 can be prepared for use and for transport by means of the remote control. The remote control has two function ranges. The first function range becomes available after the **START** + **1** buttons are pressed simultaneously for a short period of time. In this first function range, the **1** to **10** buttons can be used.

The second function range becomes available after the **START** + **2** buttons are pressed simultaneously for a short period of time. In this second function range, the **11** to **20** buttons can be used.



*The buttons **11** to **20** are visualised by the small indicators above the buttons **1** to **10**.*

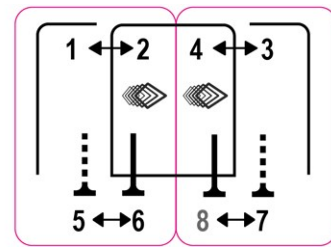
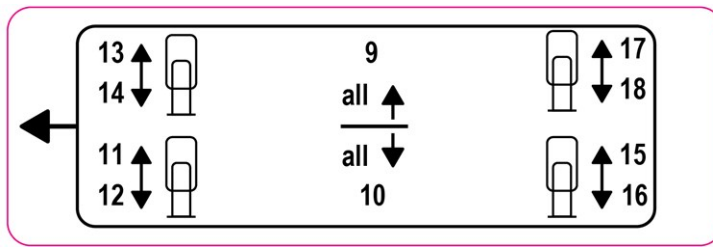
The remote control buttons activate a linked movement for as long as they are pressed. As soon as a button is released, the linked movement stops. The “**STOP**” button can also be used to terminate running processes; however, this is not relevant for the user, as no background processes are active.



*The stop button is **NOT** an emergency stop.*

*Note;*

Stickers have been placed on the Expandable Pod 25 ft Gen2. These are shown in the table below. The numbers on these stickers correspond to the button on the remote control and indicate the direction of movement of the piston rod.



Button	Function	Description	Sticker
1	Extend Left slide-out	Extend Piston Rod	1 ↔ 2
2	Retract left slide-out	Retract Piston Rod	
3	Extend right slide-out	Extendt Piston Rod	4 ↔ 3
4	Retract right slide-out	Retract Piston Rod	
5	Extend left lift cylinder	Extend Piston Rod	6 ↔ 5
6	Retract left lift cylinder	Retract Piston Rod	
7	Extend right lift cylinder	Extend Piston Rod	7 ↔ 8
8	Retract right lift cylinder	Retract Piston Rod	
9	Pod down	Retract all Piston Rods	9 all ↑ ----- all ↓ 10
10	Pod up	Extend all Piston Rods	
11	Pod front left down	Retract Piston Rod	11 9 ↑ all ↑ ↓ all ↓ 12 10
12	Pod front left up	Extend Piston Rod	
13	Pod front right down	Retract Piston Rod	13 9 ↑ all ↑ ↓ all ↓ 14 10
14	Pod front right up	Extend Piston Rod	
15	Pod rear left down	Retract Piston Rod	15 9 ↓ all ↑ ↑ all ↓ 16 10
16	Pod rear left up	Extend Piston Rod	
17	Pod rear right down	Retract Piston Rod	17 9 ↓ all ↑ ↑ all ↓ 18 10
18	Pod rear right	Extend Piston Rod	


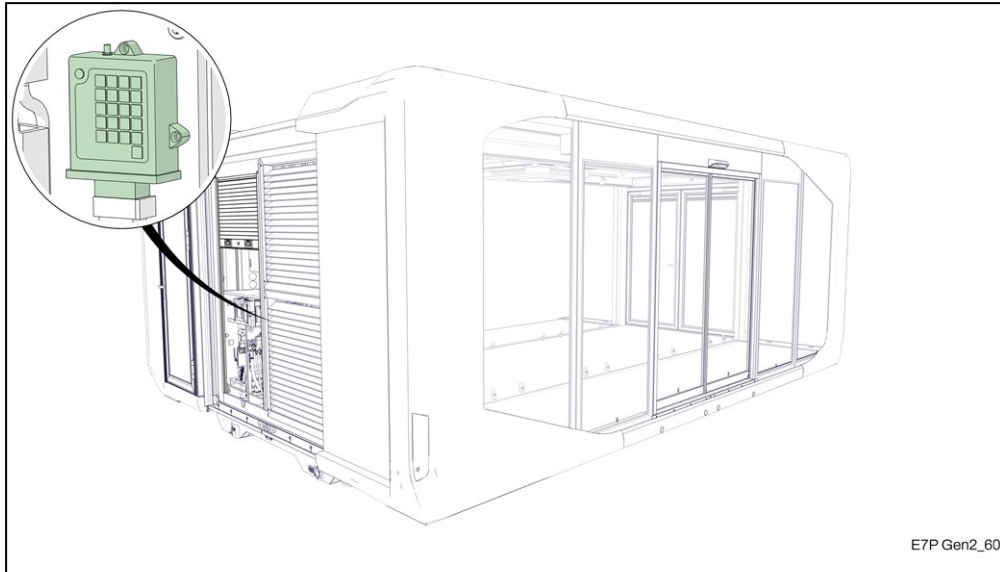
Button	Function	Description	Sticker
	up		
	Level Pod		

Table 2-1 Button functions

## 2.1.1 Pairing the remote control unit

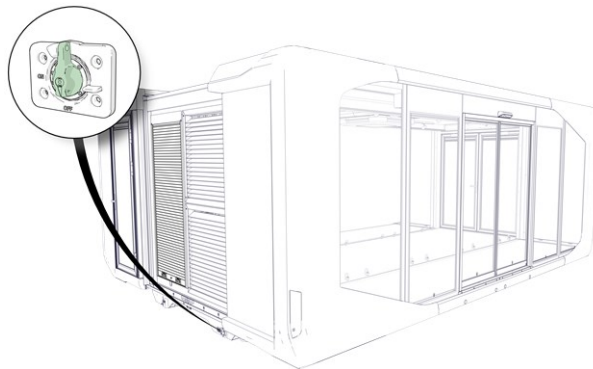
The remote control unit must be paired with the system receiver if it loses connection for any reason or if the remote control unit is replaced.



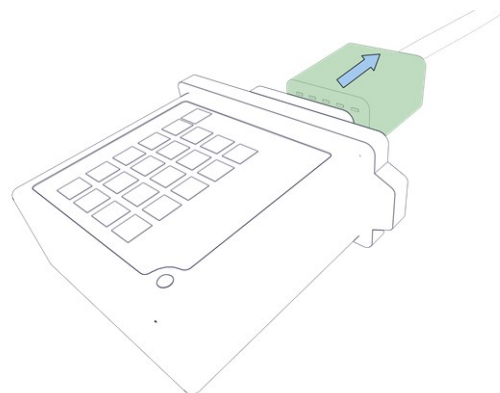
The location of the remote control system receiver is shown above.

### Procedure

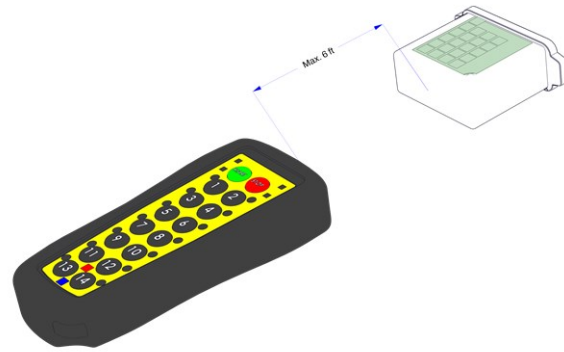
1. Turn the battery master switch to the "ON" position.



2. Disconnect the plug at the receiver.

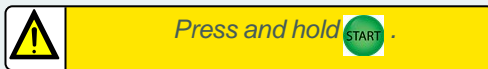


- Stand within a 2-metre radius of the receiver with the remote control unit.




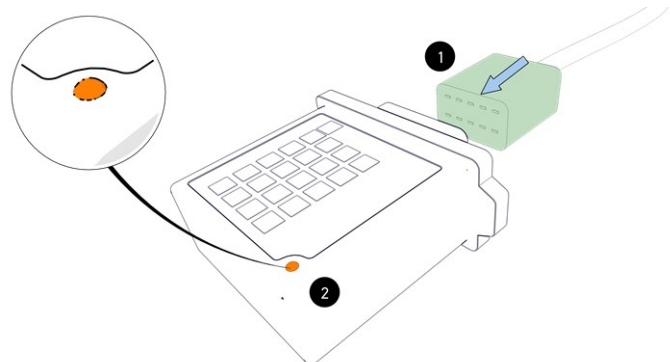
P-10165\_01

- Press the button  on the remote control.




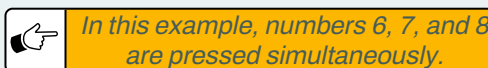
P-10165\_03

- Connect the plug to the receiver while holding down the  button. The LED on the remote control will start flashing orange.



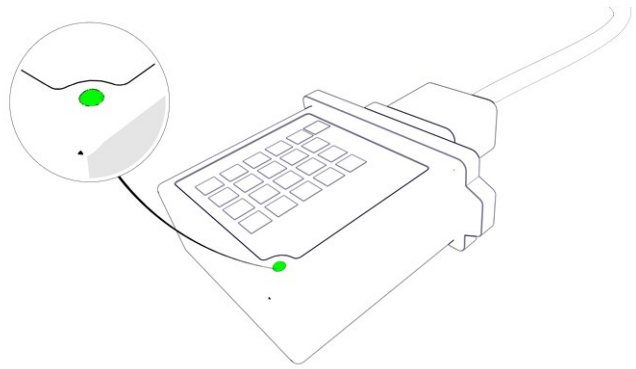
P-10165\_04

- Release the button .
- Within 15 seconds, press three numeric buttons simultaneously. Choose the numbers from 1 to 14.



P-10165\_05

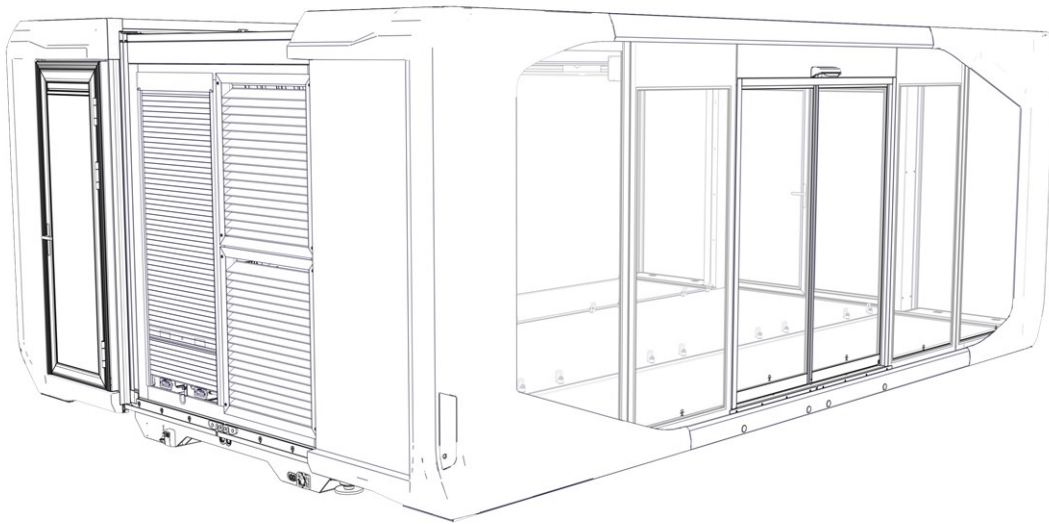
8. Release the three numeric buttons as soon as the LED on the receiver starts flashing green. The remote control is now paired with the receiver.



P-10165\_06

Part Number	Description
P-10107	Sistematica Expandable Pod 25 ft Gen2. Remote control 10 buttons 18 functions.
P-10164	Sistematica Set Expandable Pod 25 ft Gen2 Remote control 10 buttons 18 functions.
P-10167	Sistematica Receiver CNTR20

Table 2-2 Genuine parts



E7P Gen2\_45

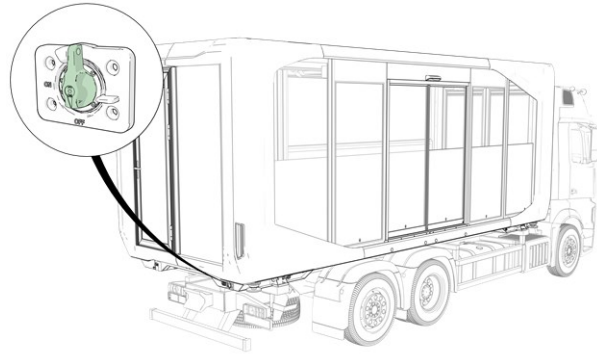
### 3. Preparation for Use

*In this chapter, you will find information on disconnecting and making the Expandable Pod 25 ft Gen2 ready for use.*

### 3.1 Preparing for Use

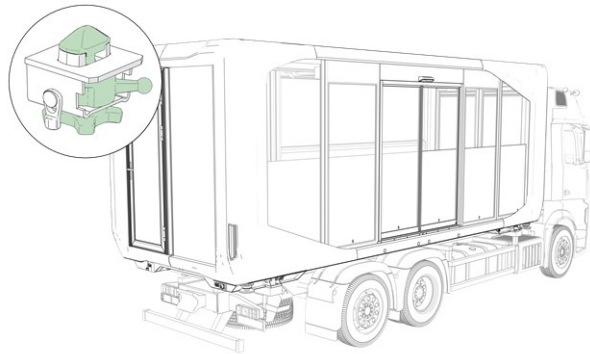
Follow the procedure below.

1. Turn the battery master switch to the "ON" position.



E7P Gen2\_04

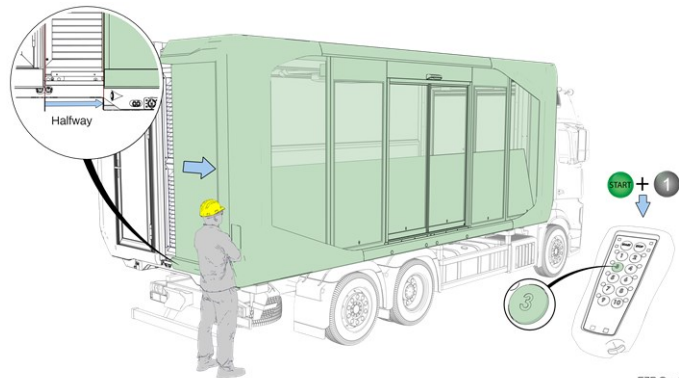
2. Unlock all twist locks.



E7P Gen2\_05

3. Press the indicated button to extend the right hand slide out halfway.

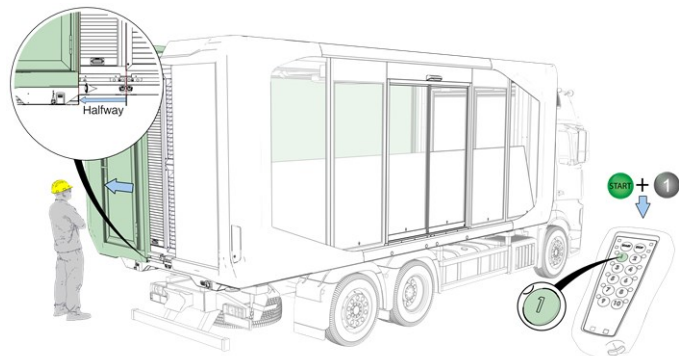
		<p><i>Stop as soon as deformations occur during the sliding out. Fix the cause of the deformations before extending the slide out further.</i></p>
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E7P Gen2\_09

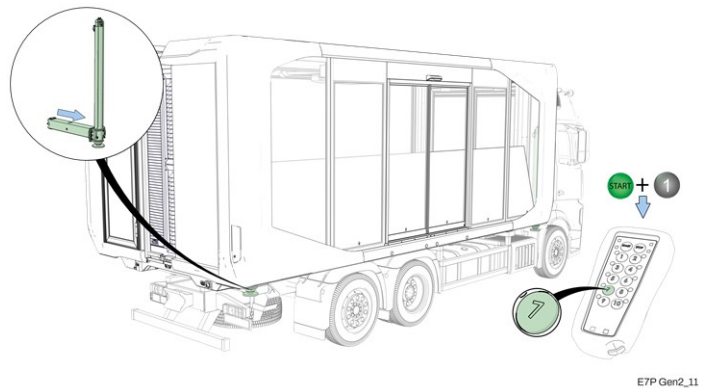
4. Press the indicated button to extend the left hand slide out halfway.

		<p><i>Stop as soon as deformations occur during the sliding out. Fix the cause of the deformations before extending the slide out further.</i></p>
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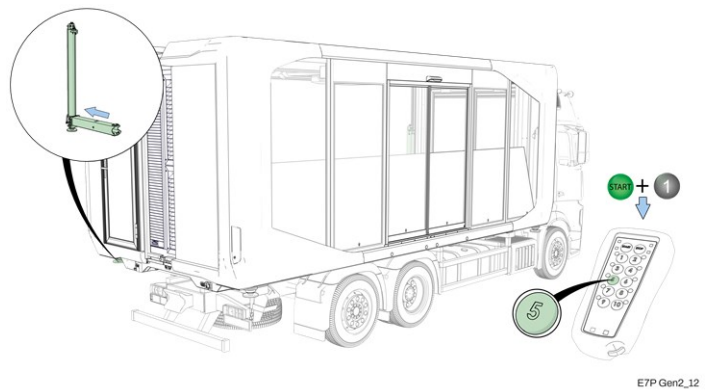


E7P Gen2\_10

- 5. Press the indicated button to fully extend both the right side lifting cylinders.

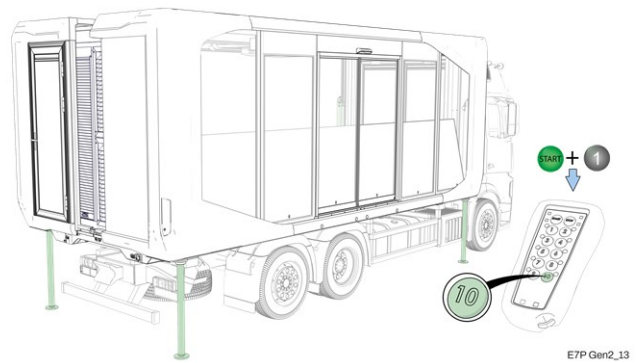


- 6. Press the indicated button to fully extend both the left side lifting cylinders.

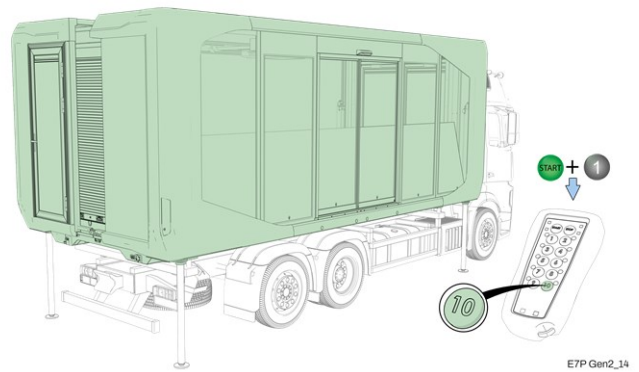


- 7. Press the indicated button to fully extend both the left side lifting cylinders.

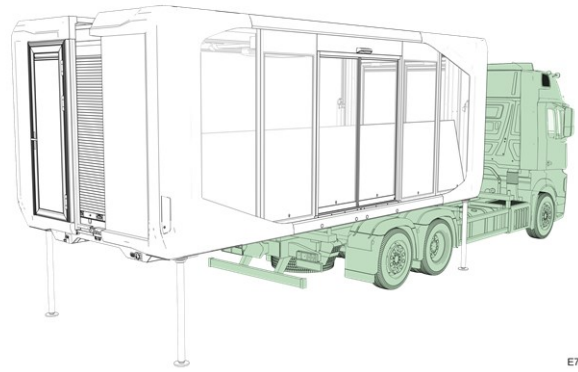
 *Visually check that all feet of piston rods touch the ground*



- 8. Press the indicated button to raise the pod as high as possible.

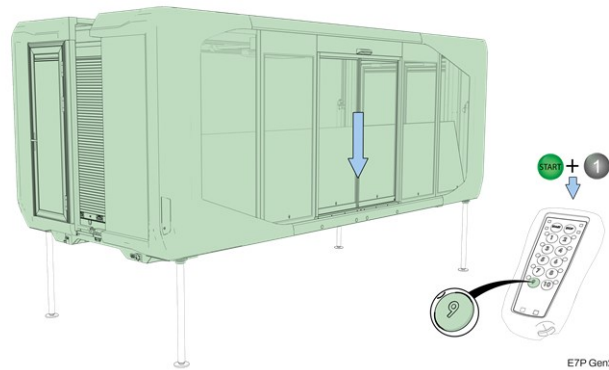


9. Drive the bucket truck out from under the pod.



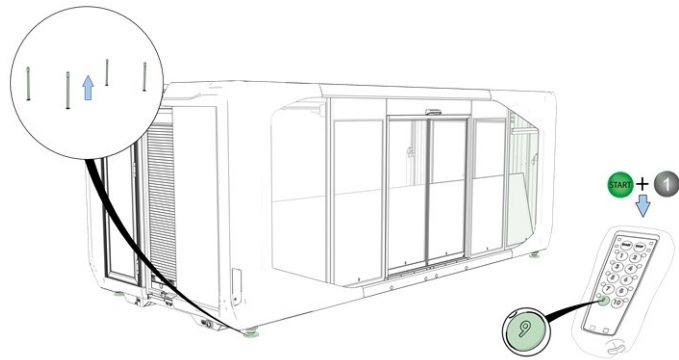
E7P Gen2\_38

10. Press the indicated button to lower the pod to the ground.



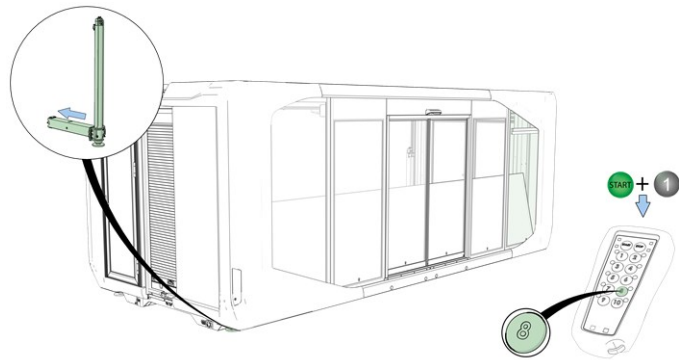
E7P Gen2\_15

11. Press the indicated button to fully retract the piston rods of the lifting cylinders vertically.



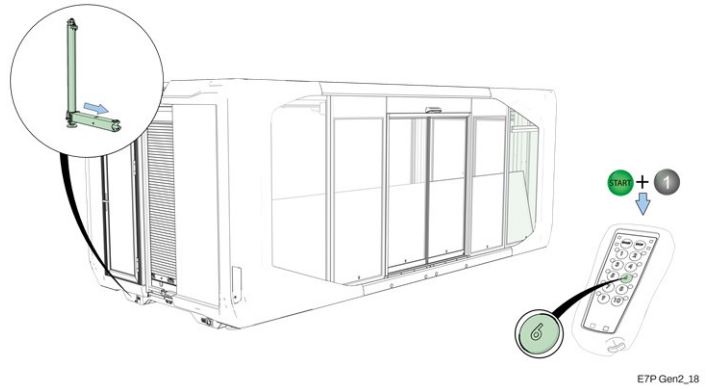
E7P Gen2\_16

12. Press the indicated button to fully retract the right lifting cylinders horizontally.

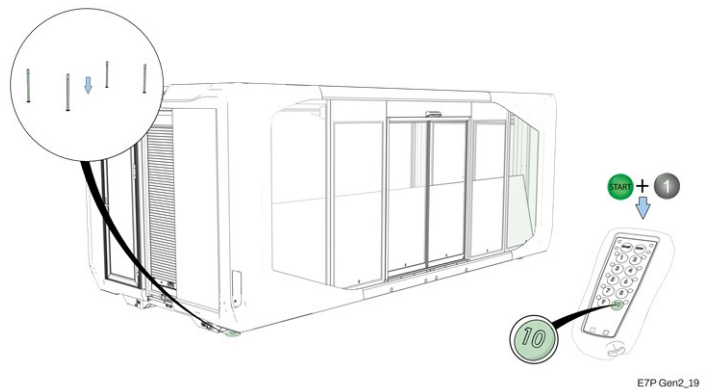


E7P Gen2\_17

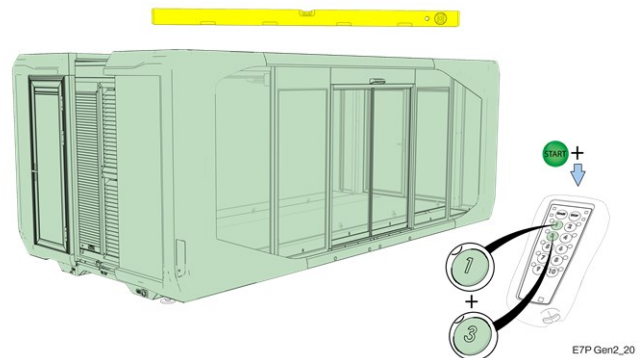
- Press the indicated button to fully retract the left lifting cylinders.



- Press the indicated button to extend the piston rods of the lifting cylinders to the point where they touch the ground.



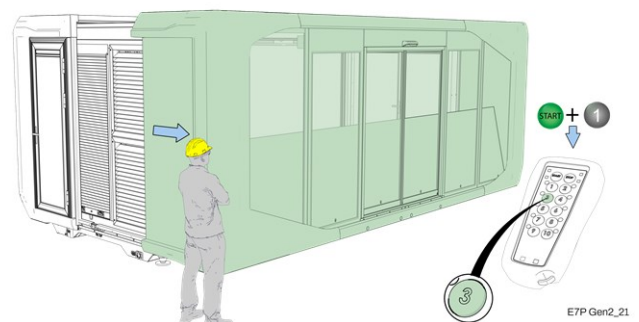
- Press the indicated buttons ("AUTO LEVEL") simultaneously so that the pod levels itself in two directions.



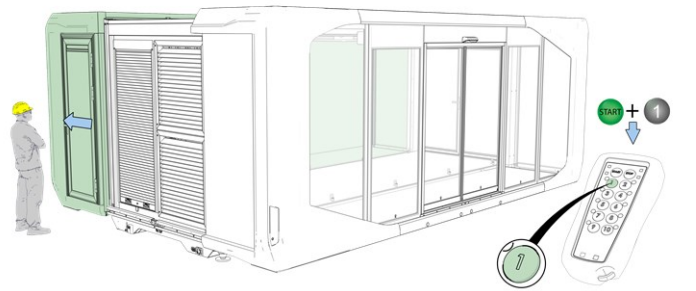
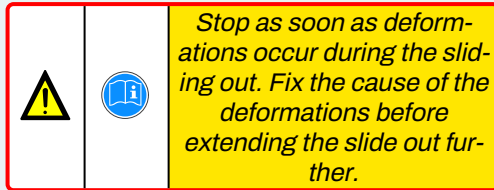
- Press the indicated button to fully extend the right slide out.

		<i>Stop as soon as deformations occur during the sliding out. Fix the cause of the deformations before extending the slide out further.</i>
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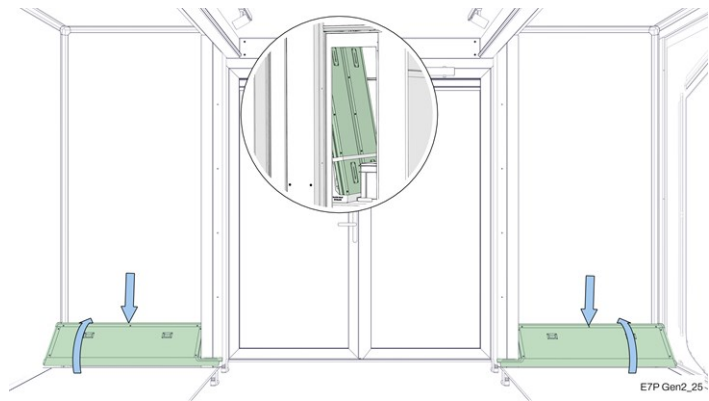
	<i>Please refer to the important note below*.</i>
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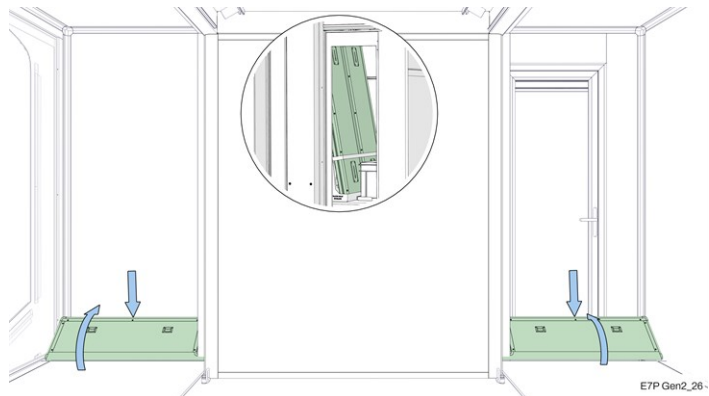
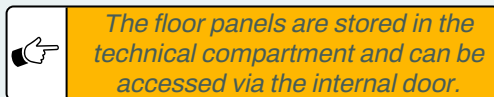
17. Press the indicated button to fully extend the left slide out.



18. Position the front floor panels at the indicated locations.



19. Position the rear floor panels at the indicated locations.



**\*Step 16 and 17:**

*If the front and rear of the Expandable Pod 25 ft Gen2 are twisted by more than X degrees relative to one another, the slide-outs must **NOT** be extended any further. The automatic levelling system must first be activated. This is to prevent damage to the slide-outs caused by excessive torsional stress during operation. Continue the procedure from Step 17 onwards.*

## 4. Commissioning

*This chapter describes the operation of electrically operated accessories such as air conditioners, electrically operated access doors, access to a roof terrace, etc.*

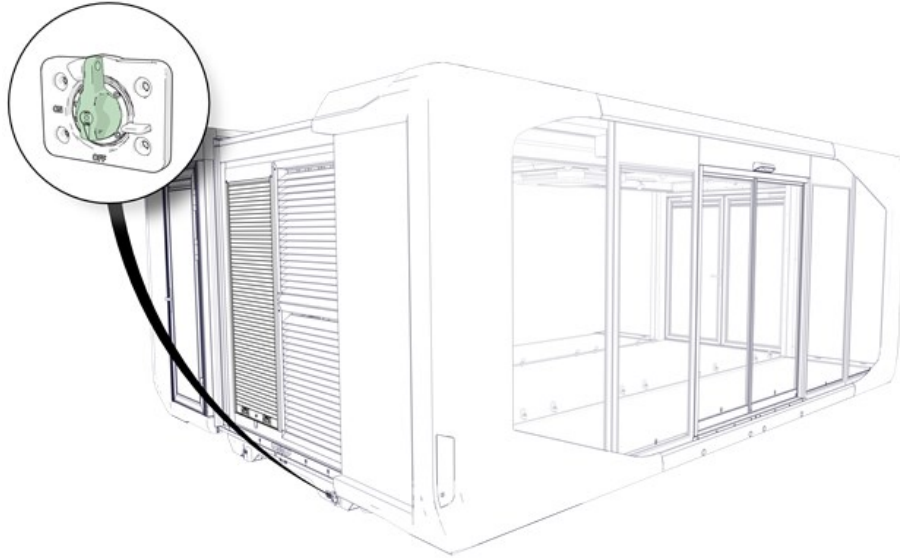
## 4.1 Switching off the Power

Expandable B.V. recommends that users of the Expandable Pod 25 ft Gen2 switch off the power temporarily if it is left on site for an extended period (procedure below). This applies solely to the Expandable Pod 25 ft Gen2. All hydraulic equipment can be switched off with the

battery master switch. All other equipment is connected to the shore power. If external devices are connected to the Expandable Pod 25 ft Gen2 such as refrigerators or electronic equipment, it is up to the user to determine whether the power to these devices can be switched off.

Follow the procedure below.

1. ↓ Turn the battery master switch to the "OFF" position to switch off the power.

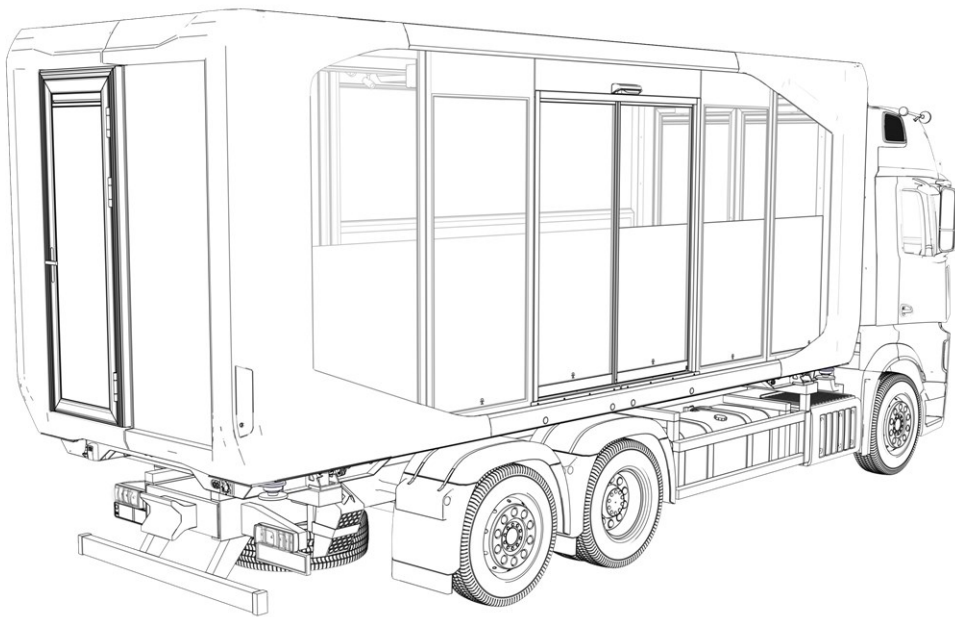


E7P Gen2\_48

Fig. 4-1



*If necessary, lock the main switch with a padlock to prevent unauthorised use.*



E7P Gen2\_44

## 5. Preparation for Transport

*In this chapter, you will find information on making the Expandable Pod 25 ft Gen2 ready for transport and coupling it.*

## 5.1 Preparing for Transport



Move the load that remains in the Expandable Pod 25 ft Gen2 to the centre floor. No load should be placed on the floor panels.

Follow the procedure below.

1. Switch off all electrical equipment such as air conditioning, lighting and RGB lighting.



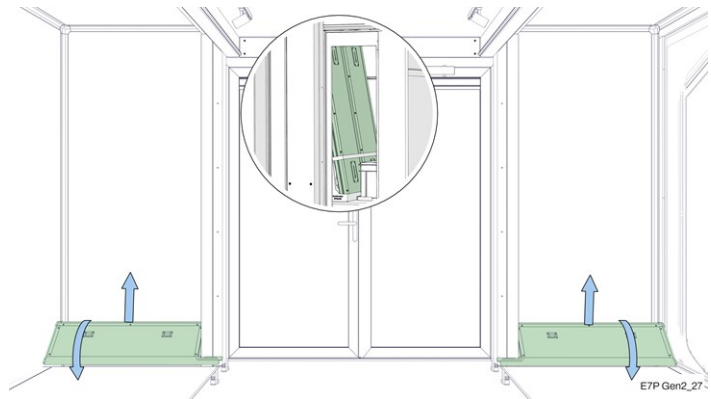
It takes about 5 minutes to empty the air conditioner's water tank.



2. Raise both front floor panels.



The floor panels are stored in the technical compartment and can be accessed via the internal door.



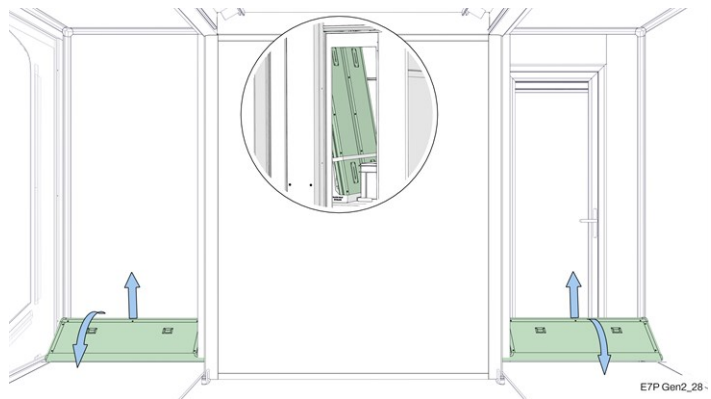
3. Raise both rear floor panels.



Move the load that remains in the Expandable Pod 25 ft Gen2 to the centre floor. No load should be placed on the tilting floors.




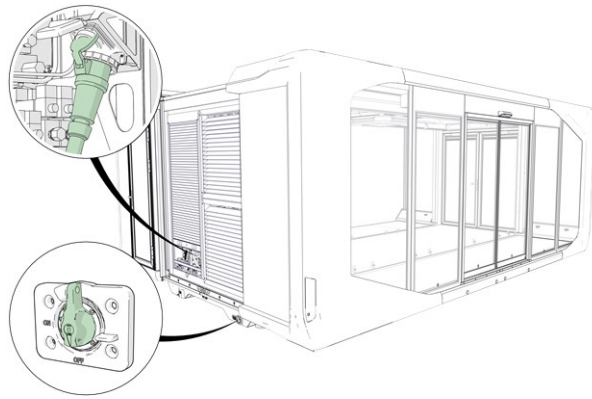
The floor panels are stored in the technical compartment and can be accessed via the internal door.



4. Disconnect the extension cord and store the cable in the technical area through the access door on the inside. The master battery switch should remain "ON".

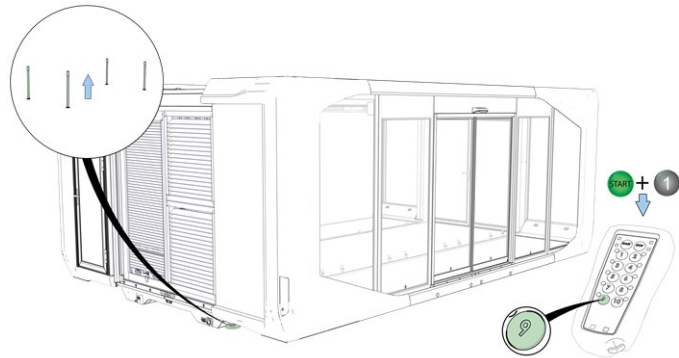
 Close the roller door of the technical area

 Close all access doors and place the keys in the key safe (See "Key Safe on page 3")



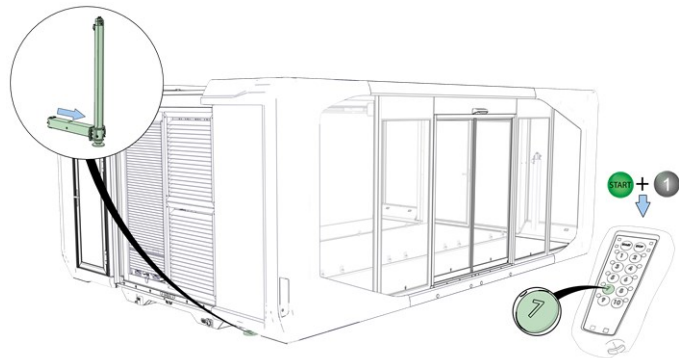
E7P Gen2\_30

5. Press the indicated button to retract the piston rods of the lifting cylinders.



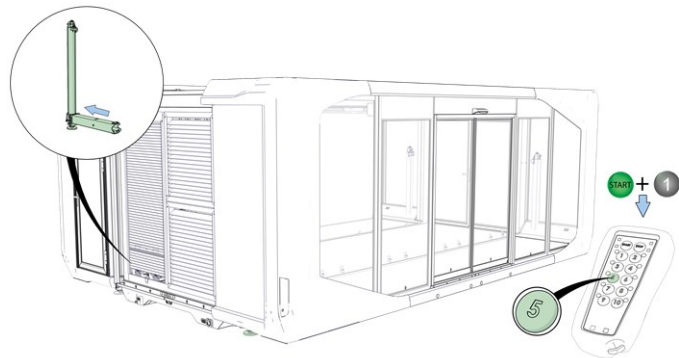
E7P Gen2\_31

6. Press the indicated button to extend the right-hand lifting cylinders.





E7P Gen2\_32


7. Press the indicated button to extend the left-hand lifting cylinders.

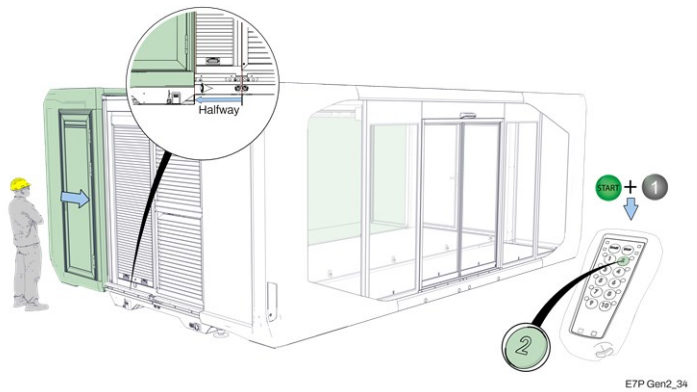


E7P Gen2\_33



8. Press the indicated button to retract the left slide out halfway.


		<b>Stop as soon as deformations occur during sliding. Fix the cause of the deformations before retracting the slide out further.</b>
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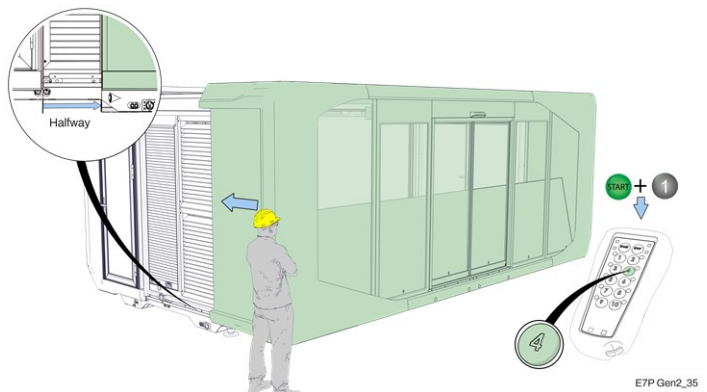
	<b>Once the lifting cylinders are extended, the slide-out cannot be fully retracted due to the safety interlock.</b>
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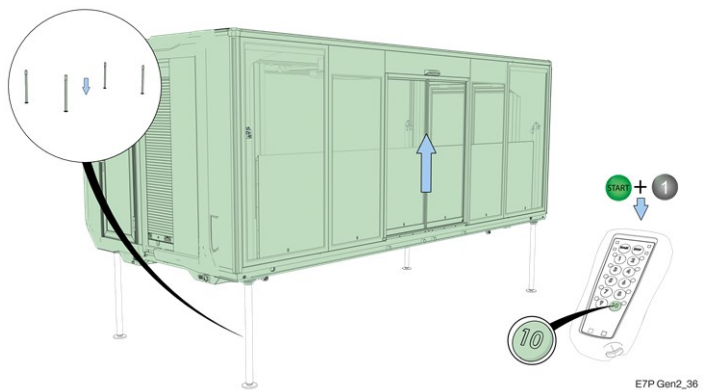
9. Press the indicated button and retract the right slide out halfway.

		<b>Stop as soon as deformations occur during sliding. Fix the cause of the deformations before retracting the slide out further.</b>
---	---	--

	<b>Once the lifting cylinders are extended, the slide-out cannot be fully retracted due to the safety interlock.</b>
---	--

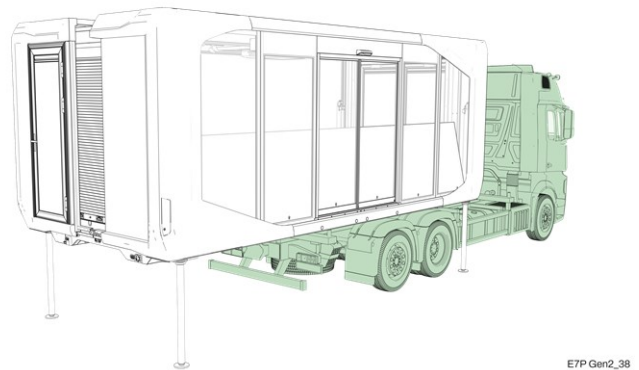


10. Press the indicated button to lift the container to its maximum height.

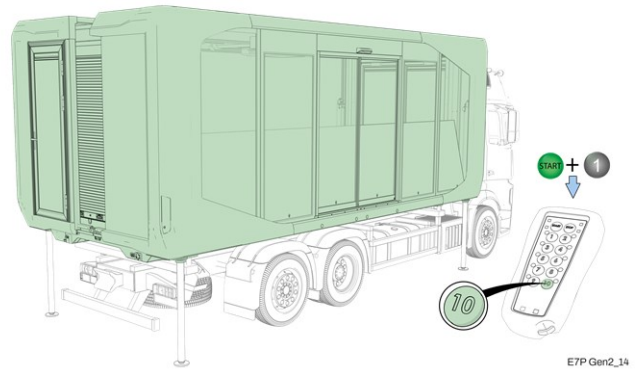


11. Drive the container truck under the Pod.

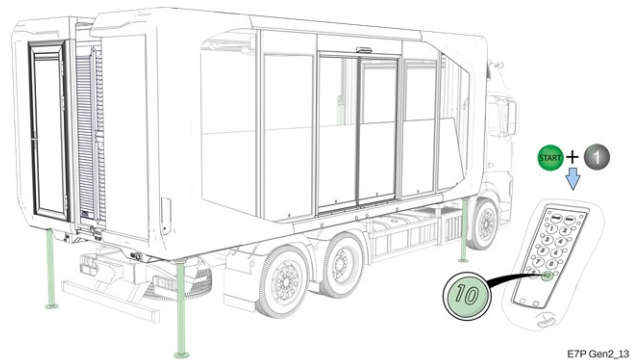
	<b>Position the twist locks exactly under the pod's take-up points</b>
---	--



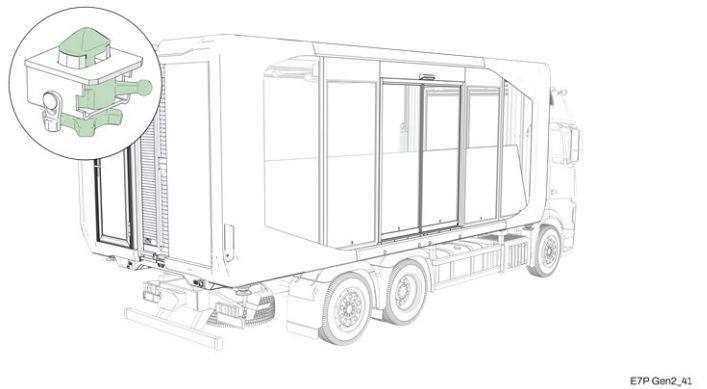
- 12. Press the indicated button to lower the Pod onto the container truck.



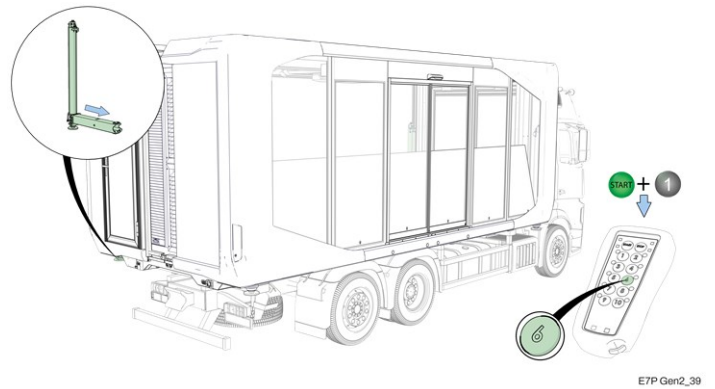
- 13. Press the indicated button to fully retract the piston rods of the lifting cylinders.



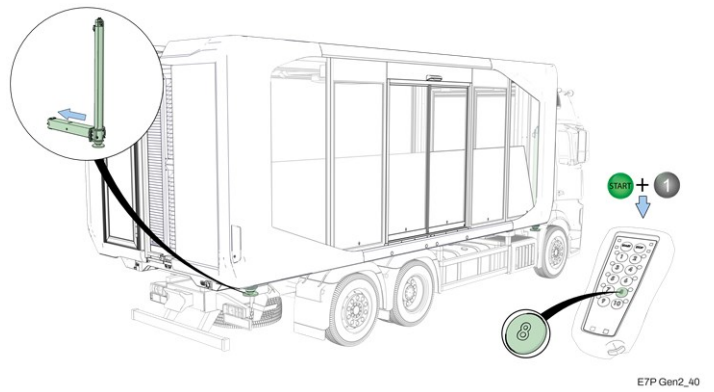
- 14. Lock the Pod using twist locks.



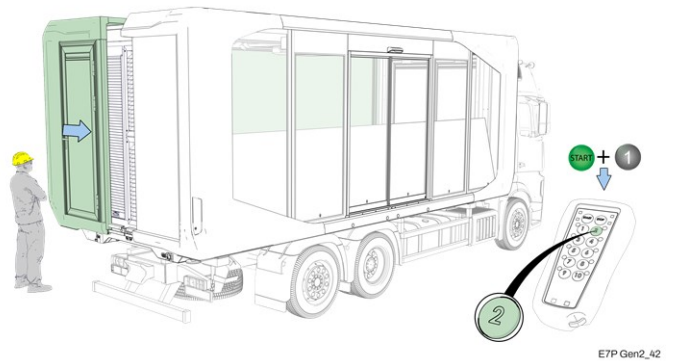
- 15. Press the indicated button to fully retract the left lifting cylinders.



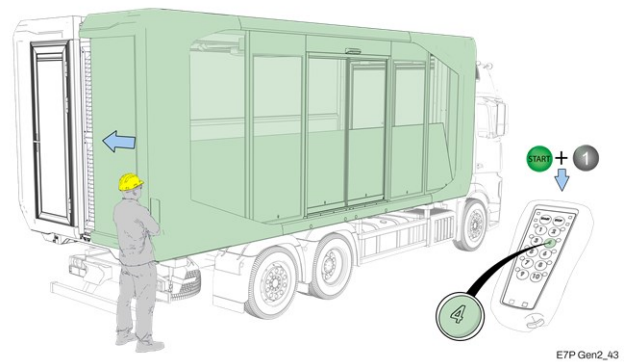
- 16. Press the indicated button to fully retract the right lifting cylinders.




- 17. Press the indicated button to fully retract the left-hand slide out

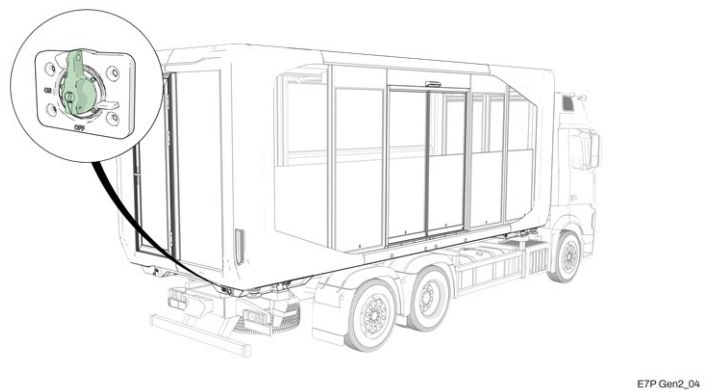


- 18. Press the indicated button to fully retract the right-hand slide out.



- 19. Turn the main switch to the "OFF" position.

 Lock the battery master switch with a padlock to prevent unauthorised use.

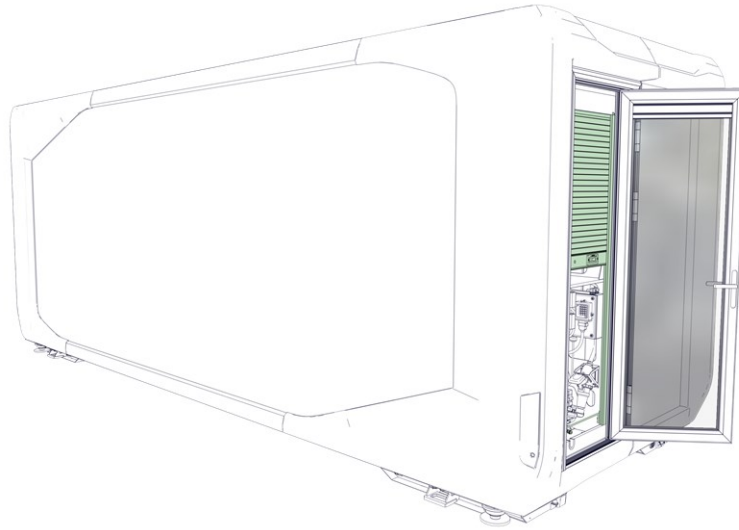


## 6. Emergency Operation

*In this chapter, you will find information on how to access the Expandable Pod 25 ft Gen2 in case of a technical malfunction.*

## 6.1 Accessibility Expandable Pod 25 ft Gen2 in case of malfunction

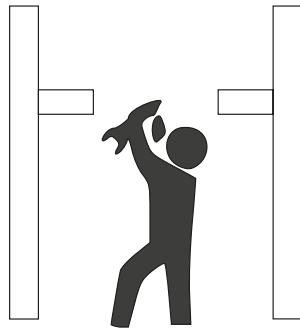
The Expandable Pod 25 ft Gen2 is accessible in most cases even in the event of a technical malfunction.



E7P Gen2\_51

Fig. 6-1

1. Unlock and open the door in the slide-out.
2. Unlock and open the roller shutter door.

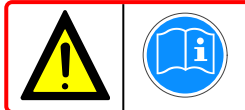


## 7. Periodic Maintenance

*In this chapter, you will find information about the maintenance you need to perform on your Expandable Pod 25 ft Gen2. You will also find information about ordering parts.*

## 7.1 Maintenance Schedule

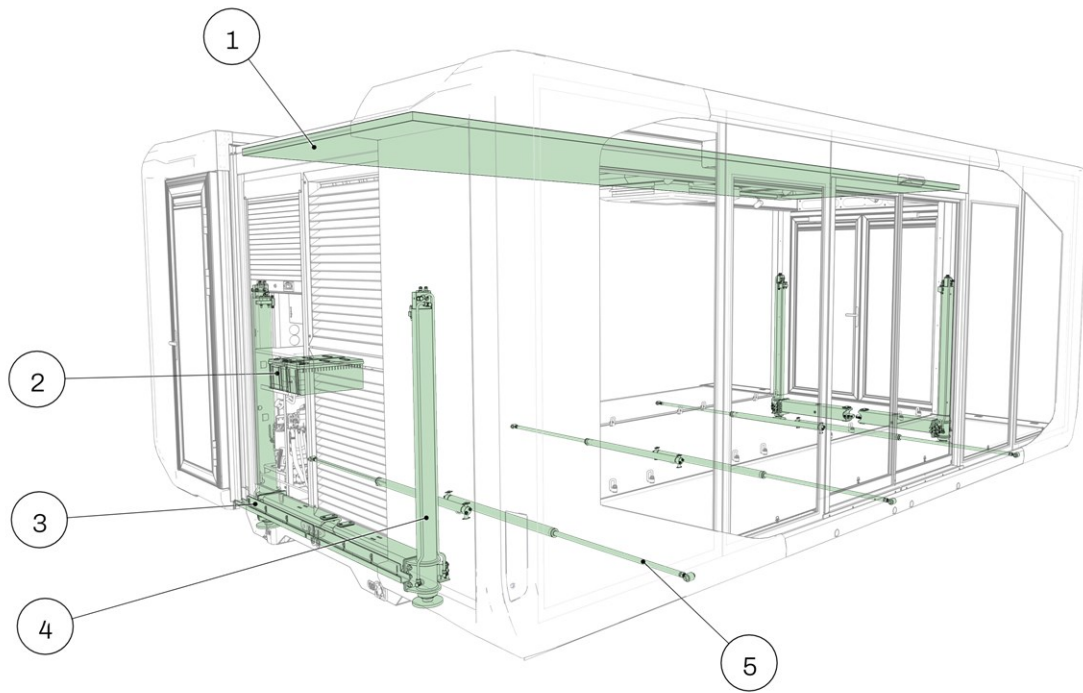
In the table below, the components that require periodic maintenance are listed.



*Expandable B.V. advises adhering to the maintenance intervals indicated in the table and using only products with the specified specifications. Order your required products from Expandable B.V. +31 (0)85 890 21 88 in a timely manner.*

Check	Work	Daily / Before use	Responsible Party
Sliding sleeves ③	Check for pollution / remove	x	Driver / Operator
Non-retractable Roof ①	Check for pollution / remove	x	Driver / Operator
Oil leakage	Check / Report	x	Driver / Operator
Hydraulic cylinders Lifting / Slide outs / Leveling ④ - ⑤	Check / Report	x	Driver / Operator
Door Locks	Check / Report	x	Driver / Operator
Battery Voltage ②	Check / Report	x	Driver / Operator
Body Damage	Check / Report	x	Driver / Operator
Service		Interval	
Expandable Service 1		2000 Km/ 2 Weeks	Service Workshop
Expandable Service 2		30.000 Km/ Every 3 Months	Service Workshop
Expandable Service 3		60.000 Km / Every 60 Months	Service Workshop
Expandable Service 4		120.000 Km / Every 12 Months	Service Workshop

Table 7-1 Maintenance Schedule



E7P Gen2\_61

*Points of interest during daily maintenance*

- 1 Non-retractable Roof
- 2 Batteries
- 3 Sliding sleeves

- 4 Hydraulic lifting cylinders
- 5 Hydraulic slide out cylinders

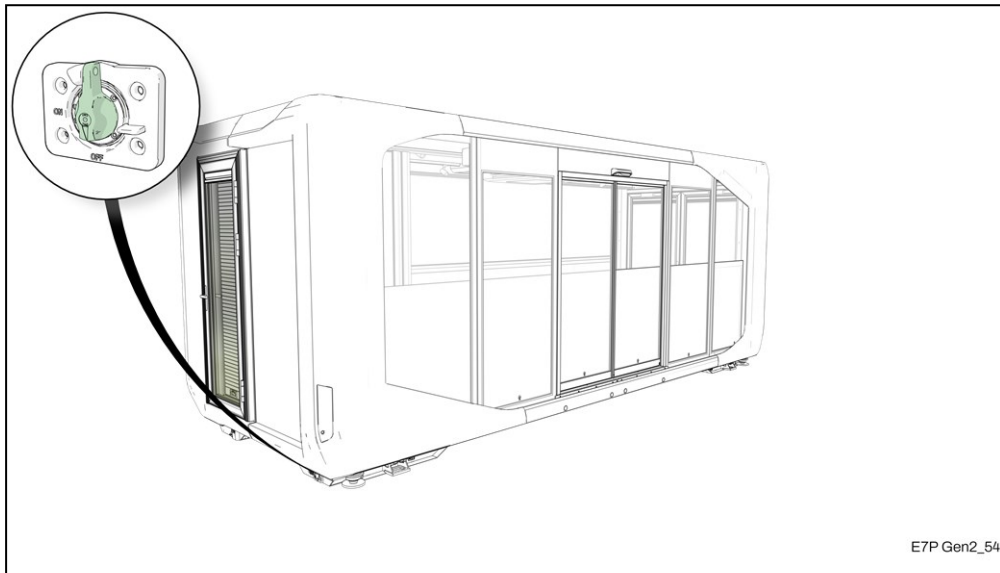
## 7.1.1 Oil Level

For proper functioning of the hydraulic system, it is essential that the oil is always at the correct level. To properly check the oil level, the following conditions must be met;

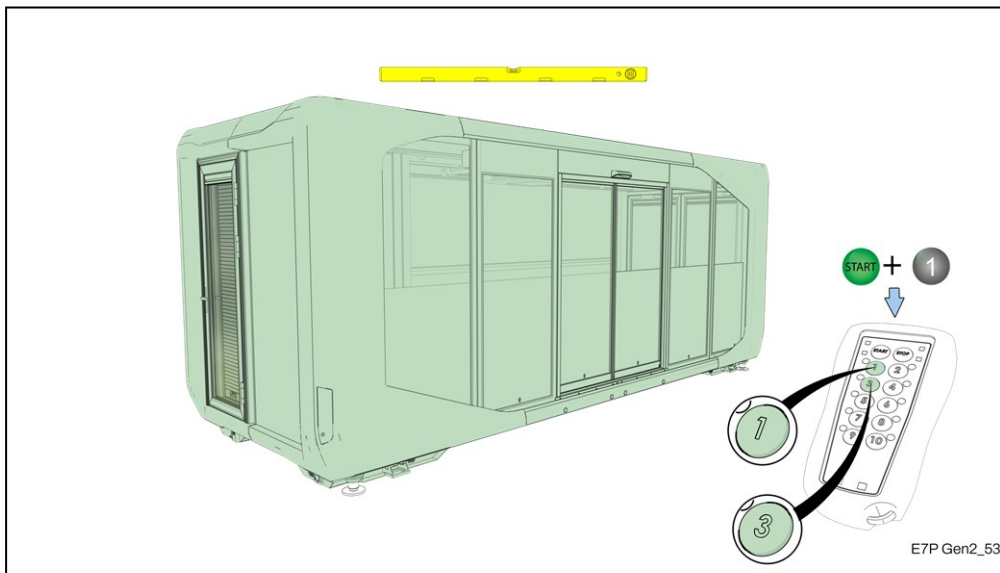
- *Make sure the container is level.*
- *Ensure that the slide outs are fully retracted.*

### Procedure

Follow the procedure given below.



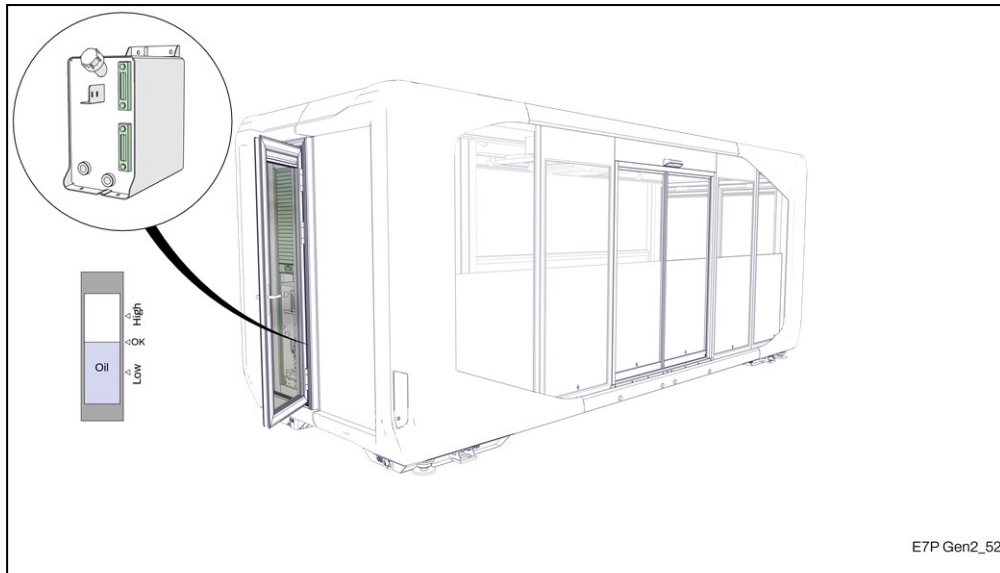
1. ↑ Turn the battery master switch to the "ON" position.



2. ↑ Press the indicated buttons to level Expandable Pod 25 ft Gen2.



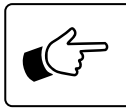
*The piston rods must touch ground before levelling.*



3. ↑ Open the access door and the roller shutter door.
4. Ensure that the oil level is halfway up the upper sight glass, otherwise refill hydraulic oil (See "Refilling Oil on the next page")
5. Close and lock the roller shutter door.
6. Turn the battery master switch to the "OFF" position and lock it with a padlock.

## 7.1.1.1 Refilling Oil

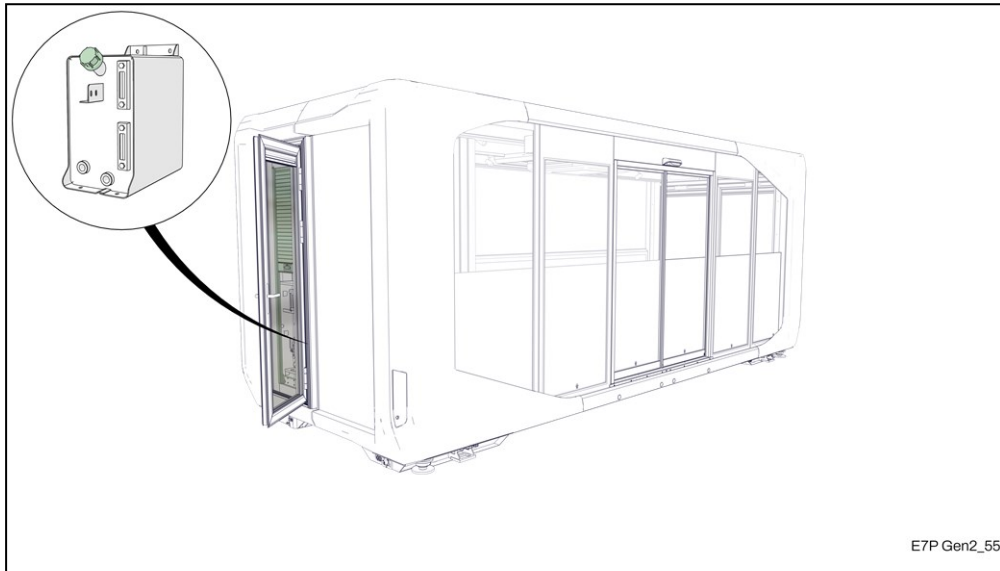
When the hydraulic oil level is too low, it must be refilled.



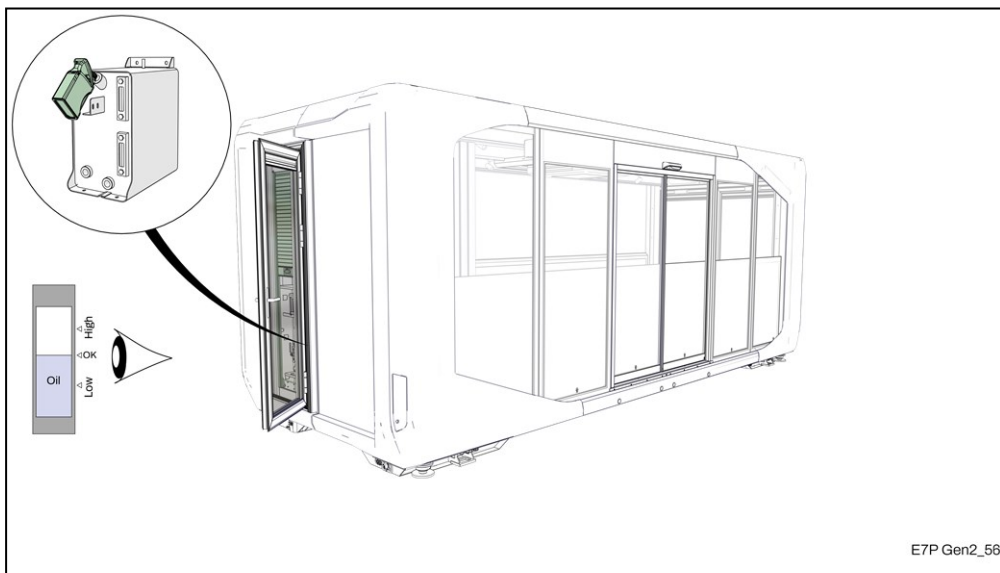
*Hydraulic oil can only be refilled through the roller shutter door of the technical area.*

### Procedure

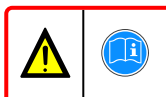
Follow the procedure given below.



1. ↑ Remove the tank cap.



2. ↑ Refill oil (See "Maintenance Schedule on page 31") and check the level through the top sight glass.




*To prevent damage to the hydraulic system and potential leaks, Expandable B.V. recommends making an appointment with the service workshop as soon as the hydraulic oil level is high.*

3. Screw the tank cap back onto the tank.

## 8. Safety & Environment

*The following sections contain information on the safe use of the Expandable Pod 25 ft Gen2. Also described is how to act when the has reached the end of its service life.*

## 8.1 Environment

 Once the Expandable Pod 25 ft Gen2 has reached the end of its lifespan for any reason, it must be dismantled and disposed of in accordance with local and/or national regulations.

Contact the local or national government service, waste service, or the supplier where you purchased the product for more information on the locations where the materials are collected for recycling.

## 8.2 Safety During Use

 The use of a Expandable Pod 25 ft Gen2 may involve risks.

Always consult the relevant regulations (e.g., traffic laws, company procedures, safety and health regulations) applicable in the country where the Expandable Pod 25 ft Gen2 is being used.

### General instructions for using a Expandable Pod 25 ft Gen2:

- *Never set up the Expandable Pod 25 ft Gen2 on terrain that exceeds the allowable slope values.*
- *Never use or place a Expandable Pod 25 ft Gen2 on public roads unless it has been established that the entire trailer complies with national road traffic legislation.*
- *Read the user manual BEFORE coupling and/or using a Expandable Pod 25 ft Gen2.*
- *Perform the daily inspection BEFORE coupling and/or using a Expandable Pod 25 ft Gen2.*
- *The driver of the truck is ALWAYS responsible for the use of a Expandable Pod 25 ft Gen2.*
- *Only manoeuvre the Expandable Pod 25 ft Gen2 when NO people or animals are in the immediate vicinity of the moving parts of the trailer.*
- *NEVER crawl under the Expandable Pod 25 ft Gen2 if it rests only on the pistons of the hydraulic lift cylinders.*

The nature of potential hazards and limitations during use are symbolised by the pictograms below.



## 9. General Information


*In the following paragraphs, you will find general information regarding this User manual and the product manufactured by Expandable B.V..*


## 9.1 Cleaning

Use a mild detergent and remove the detergent with water from the hose at low pressure. Expandable B.V. recommends NOT cleaning the Expandable Pod 25 ft Gen2 with aggressive or corrosive detergents. Using a pressure washer or cleaning in a car wash is strongly discouraged. This is to avoid loosening the film from wrapped parts of the Expandable Pod 25 ft Gen2.

## 9.2 Vehicle registration and delivery

🤝 When a Expandable Pod 25 ft Gen2 is handed over to the customer, all accompanying documentation regarding the Expandable Pod 25 ft Gen2 must be provided to the customer.

 *The vehicle must not be used until it has been established that the trailer on which the Expandable Pod 25 ft Gen2 is mounted complies with national road traffic laws.*

 *National road traffic laws are specific to each country. Contact the national inspection authority in the respective country for the required information.*

Subject	Action
Warning sticker	Check that the warning stickers are placed in such a way that they are clearly visible to the users.
User manual	The user manual of the Expandable Pod 25 ft Gen2 is handed over to the customer upon delivery. Inform the customer that the user manual should be kept with the Expandable Pod 25 ft Gen2.
Warranty	Warranty on products from Expandable B.V. can be found in the delivery terms.

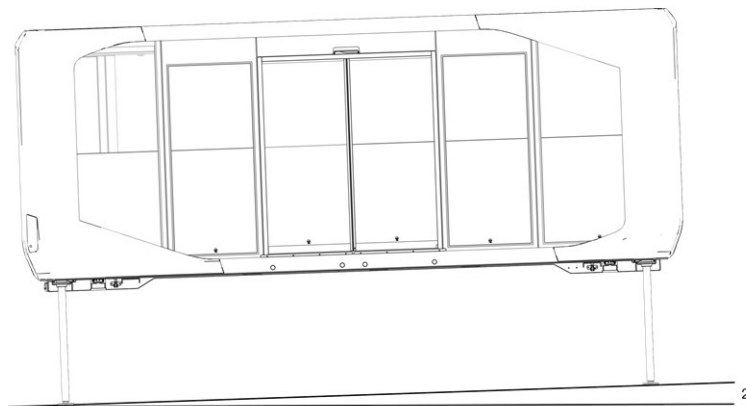
Table 9-1 Delivery Documents

### 9.3 Terrain Conditions

Your Expandable Pod 25 ft Gen2 should preferably be made ready for use and transport on terrain that is level both longitudinally and laterally. Some slope of the terrain is allowed as long as the slope angles do not exceed the maximum allowable values shown in Table (see "Table 9-2"). The maximum allowable slope angles both longitudinally and laterally are shown below:

	Slope Angle
Longitudinal	2°
Lateral	3°

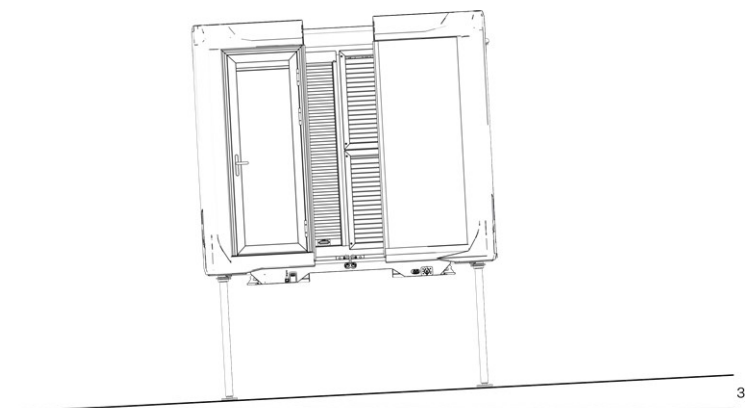
Table 9-2 Slope Angles



E7P Gen2\_49

*Maximum longitudinal slope angle*

Fig. 9-1



E7P Gen2\_50

*Maximum lateral slope angle*

Fig. 9-2

---

Always determine before making the Expandable Pod 25 ft Gen2 ready for use whether the terrain is sufficiently load-bearing to support the weight of the Expandable Pod 25 ft Gen2 plus the interior and use the supplied outrigger plates under the lifting cylinders.



## 9.4 Access to the Technical Area

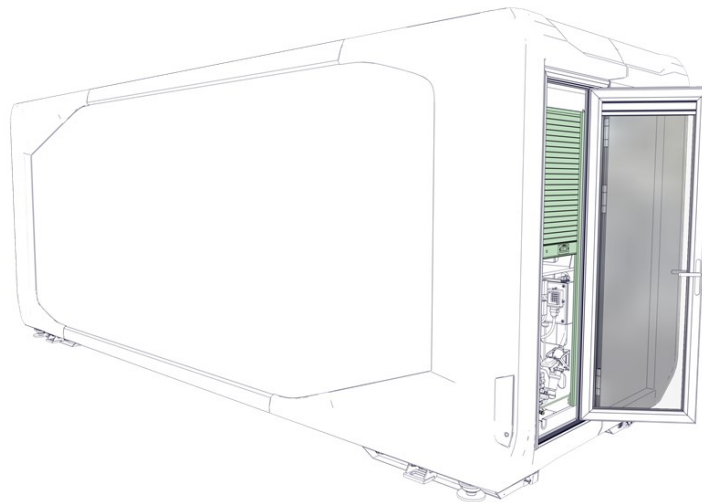
The technical area is located at the rear of the Expandable Pod 25 ft Gen2 and is normally accessible in both the transport and usage positions for small repairs or diagnostics. In such cases, open the access door and the roller shutter door.

For larger repairs such as condenser replacements, sometimes a panel inside the Expandable Pod 25 ft Gen2 must be removed.

In the technical area, you will find:

- *the air conditioning system*
- *the electrical system with the batteries*
- *the hydraulic control system with the pumps, tank, and filter*

  **Repairs and/or diagnostics may only be carried out by qualified technicians or, for simple tasks, under the guidance of the Expandable B.V. service staff.**

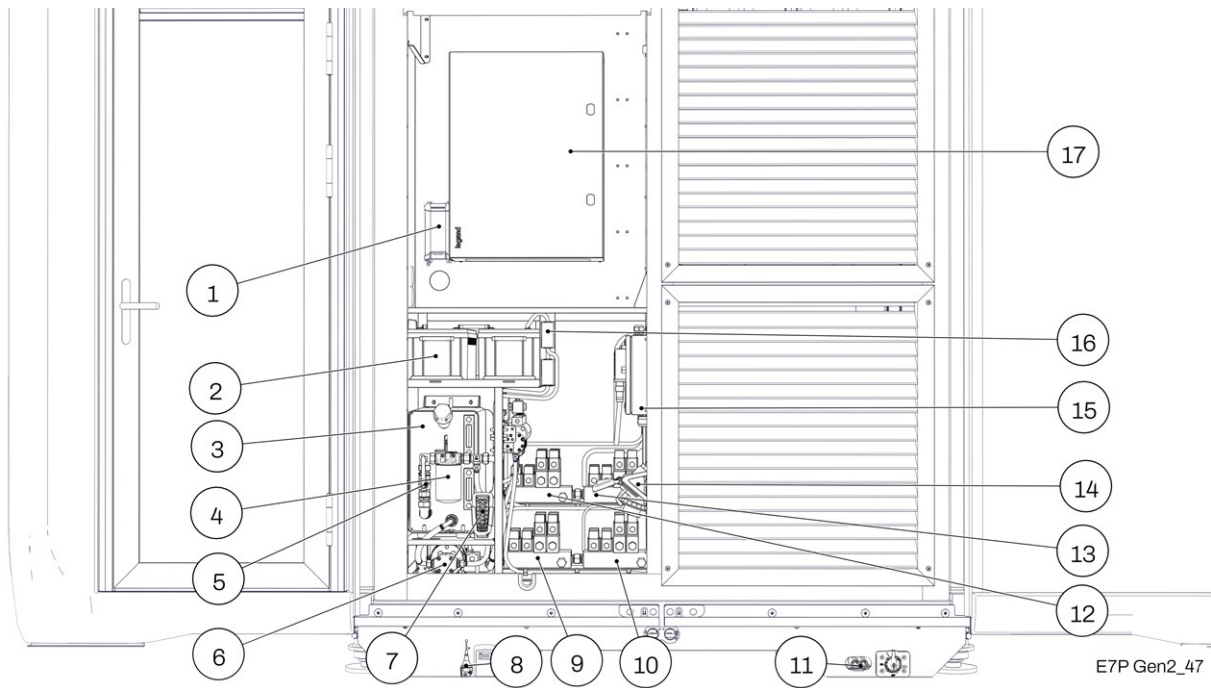


E7P Gen2\_51

*Access to the technical area in transport position*

Fig. 9-3

In the image below, the positions of the main components in the technical area are shown.



E7P Gen2\_47

Fig. 9-4

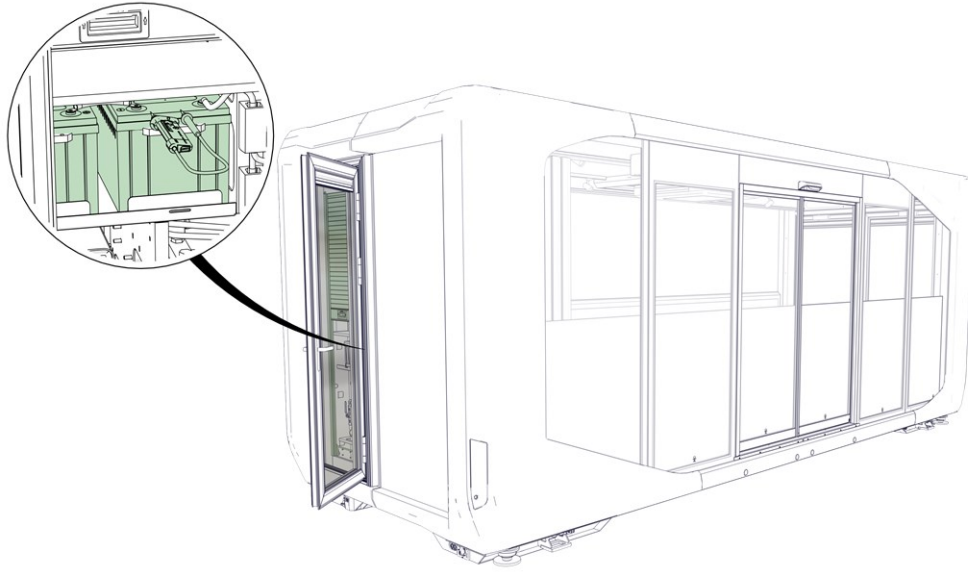
- |  |                                    |
|--|------------------------------------|
| 1 Tickle charger                           | 10 Valve slide outs                |
| 2 Batteries                                | 11 Type Y connector                |
| 3 Hydraulic Oil Tank                       | 12 Valve slide outs                |
| 4 Oil filter                               | 13 Valve slide outs                |
| 5 Oil Shut-off Valve                       | 14 Shore Power Connection          |
| 6 Oil pump                                 | 15 Remote Control Receiver Control |
| 7 Remote control support                   | 16 Batterie fuses                  |
| 8 Remote Control Receiver Antenna          | 17 Electrical Control Cabinet      |
| 9 Valve Horizontal movement lift cylinders |                                    |



*The hydraulic filter must be replaced periodically (See "Maintenance Schedule on page 31").*

## 9.5 Checking and Recharging Battery Voltage

The batteries are normally recharged via the built-in trickle charger as soon as the wall power is connected. The battery voltage can be checked at the battery terminals.



E7P Gen2\_58

*Fig. 9-5*

If for some reason the voltage is too low, a charger can be connected to the type Y connector.

## 9.6 Type Sticker

On the chassis of the Expandable Pod 25 ft Gen2, the type sticker shown below is affixed. This sticker provides information on:

- the maximum load
- the total weight
- the VIN number
- the type of trailer
- the production date


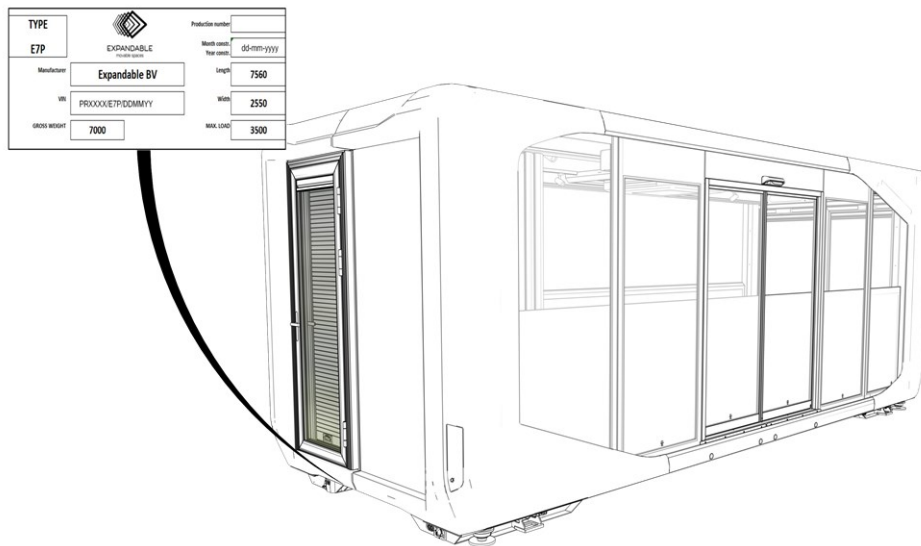
<b>TYPE</b>	 <b>EXPANDABLE</b> <small>movable spaces</small>	Production number	
<b>E7P</b>		Month constr. Year constr.	dd-mm-yyyy
Manufacturer	<b>Expandable BV</b>	Length	<b>7560</b>
VIN	PRXXXX/E7P/DDMMYY	Width	<b>2550</b>
GROSS WEIGHT	<b>7000</b>	MAX. LOAD	<b>3500</b>



Fig. 9-6

 The type sticker must always be legible. Replace the sticker as soon as it becomes illegible. In such a case, contact Expandable B.V.+31 (0)85 890 21 88 to order a new sticker. The sticker must not be replaced by a sticker made by third parties without written permission from Expandable B.V..



E7P Gen2\_59

Fig. 9-7

  No changes may be made to the type sticker. Contact Expandable B.V. if the type sticker has become illegible.

## 9.7 Pod Specifications

In the table below, the specifications for the "Expandable Pod 25 ft Gen2" type 25ft are listed.

	25ft
Maximum weight	6000-7000 Kg (13227- 15432 lbs)
Load capacity*	3000-4000 Kg (6.613 - 8.818 lbs)
External length (Transport)	7.56 m (approx. 24ft 8")
External length (Deployed)	7.56 m (approx. 24ft 8")
External width (Transport)	2.55 m (approx. 8ft 4")
External width (Deployed)	4.83 m (approx. 15ft 8")
External height (Transport)	3.00 m (approx. 9ft 8")
External height (Deployed)	3.00 m (approx. 9ft 8")
Internal surface area in transport position	13.00 m <sup>2</sup> (approx.139.93 sqft)
Internal surface area in usage position	32.00 m <sup>2</sup> (approx. 344.45 sqft)
Internal volume in transport position	32.5 m <sup>3</sup> (approx.43 cu yd)
Internal volume in usage position	62.5 m <sup>3</sup> (approx. 82 cu yd)
Maximum number of people on the roof when used as a roof terrace without equipment.	11 (average 84 kg (185 lbs) per person)
Maximum load on middle roof	1000 Kg (2200 lbs)
Maximum weight per m <sup>2</sup> when in transport position	500 kg
Maximum weight per m <sup>2</sup> when deployed	500 kg

Table 9-3 Trailer Specifications

\* According to a specific loading schedule

## 10.1 Oil Specifications

Bosch Rexroth	RE 90220 notes	Eaton Brochure	03-410-2010
DIN	51517-2 CL	ISO	11158 HM
DIN	51524-2 HLP	MAG IAS	P-68, P-69, P-70
Density	HF-0, HF-1, HF-2	Swedish Standard	SS 115434 AM

Table 10-1 Oil Specifications

### 10.1.1 Oil Properties

	Method	Unit	Properties
ISO viscosity grade			32
Density, 15°C	D 4052	g/ml	0.87
Kinematic viscosity 40°C	D 445	mm <sup>2</sup> /s	32.2
Kinematic viscosity 100°C	D 445	mm <sup>2</sup> /s	5.6
Viscosity index	D 2270		111
Acid number TAN	D 974	mg KOH/g	0.3
Pour point	D 97	°C	-30
Flash point, COC	D 92	°C	208
Emulsion, distilled water, 54.4°C	D 1401		40-40-0(10)
Foam, 5 min blowing, seq. 1/2/3	D 892	ml	5/10/5
Foam, 5 min settling, seq. 1/2/3	D 892	ml	0/0/0
Rust prevention test, proc. A and B, 24h	D 665		pass
Copper strip, 3h, 100°C	D 130		1
FZG Test, A/8.3/90	DIN 51354	load stage	10

Table 10-2 The above figures are not specifications. They are typical figures obtained within production tolerances.

## 10.2 Properties and Specifications of Lubricant

Berulub Lubricant Properties	
Suitable for low temperatures	
Prevents "stick-slip" (sticking during sliding)	
Extended lubrication intervals	
Very good adhesion	
Does not drip or melt	
Resistant to hot and cold water, water vapours, lactic acid, formic acid, acetic acid or fruit acid, as well as aqueous-alkaline and acidic disinfectants or cleaning agents	
Contains PTFE	

Table 10-3 Berulub Lubricant Properties

	Characteristics
Base oil	Ester
Thickener	Polytetrafluoroethylene (PTFE)
NLGI grade	3
Kinematic viscosity at 40 °C	5000.0 mm <sup>2</sup> /s
Kinematic viscosity at 100 °C	340.0 mm <sup>2</sup> /s
Operating temperature range	-15.5 °C to 150 °C
Colour / Appearance	White
Propellant	Dimethyl ether

Table 10-4 Characteristics

## 10.3 Specifications of Electrical Components

		25ft
Battery	Type	DC250-12 (12V250Ah)
	Capacity	250Ah@10hr rate to 1.80V per cell @25 C
	Max. Discharge Current	2250A (5 sec)
	Normal Operating Temperature	25° C±5° C
	Recommended Maximum Charge Current	67.5A
Connection Voltage		12 V
Rolling Current Connection		380 V (3 x 32 A)
Socket Voltage		220 V
Light Switches		220 V
Fuses per Group		16 A
Electrical Components Hydraulics		24 V
Main Switch	Maximum Operating Voltage	48V, 32V DC & 12V DC single cycle: 48V DC
	Max. Continuous Current	5A-600 A
	Inrush Current (2 sec)	3,500 A
	Connection Bolt Size	3/8"-16 (accepts M10 connections)
	Moisture Ingress Protection	IP67/IP69K
	Ignition Protection	ISO 8846 & SAE J1171
Spirit Level Sensor	Moisture Ingress Protection	IP67, IP69K (with IP69K mating plug)
	Relative Humidity	0 - 95% (non-condensing, fully encapsulated housing)
	Power Supply Voltage	10 - 32 V dc
	Polarity Protection	Yes
	Power Consumption	50mA For CFM models (CANbus daisy-chained): max. internal T-junction current: 2.5A
	Operating Temperature	-40 .. +80 °C
Inductive Sensor	Operating Voltage	7....30V
	Output Type	NPN
	Output Polarity	DC
	Ambient Temperature	-40 .. +80 °C
	Mass	45 g
	Protection	IP68 / IP69K
Hydraulic Pump	Operating Voltage	16 - 32 V
	Overvoltage	36 V (1 hour) / 48 V (5 min.)
	Reverse Operating Voltage	-16 V (1 hour) / -32 V (10 hours)

Table 10-5 Specifications of Electrical Components



*The specifications listed in the table above are a selection from the full specifications of the manufacturer. Expandable B.V. always advises consulting*

*the supplied documentation from the manufacturer of the electrical components, which supersedes anything related in this manual.*

## 10.4 Pictograms

The following pictograms are used in this manual:


















Description		Description		Description	
	Important notice!		Maximum number of persons/maximum load		Delivery information.
	Danger of entrapment!		Read this information before you start!		Parts information.
	Error		Risk of damage to the system!		Information regarding daily use!
	Wear safety shoes		Wear head protection		Conditions set by Expandable B.V..
	Wear work gloves		Wear safety clothing		Surface treatment
	Wear hearing protection		Wear safety glasses		Good

Table 10-6 Pictograms

## Notes

## Notes

**any questions?**  
contact us

**Expandable B.V.**  
Meerheide 25  
5521 DZ Eersel  
The Netherlands

+31(0)85 890 21 88  
info@expandable.nl



**EXPANDABLE**  
movable spaces

Part no.: 162037 EN (UK)-0  
Release: 03-2026

[www.expandable-trailers.com](http://www.expandable-trailers.com)