pm-tools

Mobile car lift

PM Extended lift

102/107/115

Pneumatic 2,8 t

Original user's manual

Block C, Unit 6, Quin Road Business Park, Ennis, Co. Clare

1.Introduction

Thank you for the trust you have placed in our vehicle lift.
You have purchased a very high quality product. It has been very carefully designed and built by our company.
However, if you are not satisfied with something do not hesitate to contact us.

DP DETAILING/ distributor of PM TOLLS
Block C, Unit 6, Quin Road
Business Park, Ennis, Co. Clare
Mobile:087 356 3868
Mail: info@dpcardetailing.ie

www.dpdetailing.ie

We speak Polish, English.

We wish you a lot of satisfaction with operation of your vehicle lift.

1.1 Execution

This user's manual is valid for the PM Extended lift 102/107/115 with pneumatic pump and capacity 2,8 t.
An external compressed air supply of 6-7 bar is required for operation of the lift.

Fig. 1: Rating plate

The exact model designation, serial number and year of manufacture can be found on the rating plate on the base frame (Fig. 1). More information can also be found in the Declaration of Conformity in section 2.10.

1.2 Information about this manual

Read this manual carefully before using the lift for the first time. In this way, malfunctions and defects caused by incorrect or improper use can be avoided.

The user's manual contains:

- Important safety regulations
- Hints on operation of the lift
- Instructions for maintenance and care of the lift
- Assistance in troubleshooting
- Review of our accessories
- Review the necessary tests in the inspection log

This user's manual describes the proper use of the lift. Therefore, it should be kept near the lift for quick reference. User's manual is part of the lift and should be handed over to new owner with the inspection log in the event of sale or further commissioning.

Remember to follow all safety instructions. These can be found in the Safety section.

Furthermore, safety instructions are repeated at appropriate places in the user's manual. The user is responsible for following all safety regulations in all cases. All safety regulations are in accordance with applicable European Union directives and regulations. Furthermore, additional national regulations may require to be considered.

The national regulations and laws of the given country shall apply while using the lift outside the European Union. Depending on area of use it is also required to consider the national regulations and laws. Please note that safe operation of the lift is guaranteed only if the original spare parts are used.

2. Safety

The lift can only be used after you have thoroughly read and understood these manual. Unauthorized modifications in the lift and its safety devices are prohibited. PM-Tools shall not be responsible for any damages resulting from violating of this regulations.

The following hints should be observed:

- Risk of crushing.
- Use personal protection equipment.
- Observe all accident prevention regulations.
- We recommend to create a 3-meter safety zone around the lift.
- Make sure that the lift does not obstruct the exit paths. This is especially important when the vehicle is placed on a lift.
- Make sure that there are during the lifting and lowering of the lift there are no dangerous situations in the safety zone. If this happens, stop the lift immediately and remedy the cause of the dangerous situation. Dangerous situations can include people or animals staying in the safety zone of the lift.
- Make sure there are no objects under the lift when it is raised.
- Do not exceed the permissible load capacity. Observe the information given on the rating plate.
- Make sure that vehicle weight and load distribution in lifting points conform to the recommendations given in this user's manual.
- Make sure that disassembly of the vehicle parts will not cause shifting of the load/centre of gravity so that the required limits are no longer observed.
- Secure the lift in lifted position lifting it only to the next safety catch and installing the pin lock using a safety pin.
- Depressurize the lift in case of failure or during maintenance and repair works. To depressurize the lift, disconnect the air hose from the connector.
- Check for leaking hydraulic hoses.
- Only original spare parts should be used.

2.1 Warnings

⚠ DANGER

This information alerts you about dangerous situation. Failure to observe this information could result in death or serious injury.

⚠ WARNING

This information alerts you about dangerous situation. Failure to follow this information may result in death or serious injury.

⚠ CAUTION

This information alerts you about dangerous situation. Failure to observe this information may result in moderate or minor injury.

2.2 Hazard sign

NOTE

This information warns of environmental pollution. Spills may cause short- or long-term damages to the environment. Never dispose of into sewage or with household waste.

2.3 Other symbols

HINT

Wear protective glasses.
This protects against eye injuries.

NOTE

This information warns of a possible situation that could cause property damage if not avoided.

2.4 User limitations

Only person who are 18 years of age or older may be employed to operate the lifts alone. Operators should be trained within the scope of operation of the lift and should prove their competences to their employer. They should receive clear instructions from the employer
regarding operation of the lift. Lift operation instruction should be given in writing. By-standers should not stay near the lift.

2.5 Device description

PM Extended lift is intended for lifting of the vehicles (passenger cars and small trucks) to the height of approx. 100 cm using hydraulic-pneumatic control. Vehicle wheels are unloaded during lifting (free standing).

2.6 Intended use

PM Extended lift is used only for lifting of the mechanical vehicles. The vehicles must meet the following conditions:

- The total weight of the vehicle should not exceed 2800 kg.
- The minimum distance between lifting points (wheel track) must be 110 cm. If this distance is shorter, as for classic cars, the load capacity will be reduced. If this is the case, please contact us before using the lift.
- The minimum distance between the lifting points (wheel base) must be 175 cm.
- In general, the vehicles should be lifted only in the longitudinal direction.
- Vehicle load distribution should be balanced or ensured in a ratio not less than 2:3 or not exceeding 3:2.
- it is recommended to position the vehicles so that the hydraulic actuator is facing towards the engine. (Fig. 2)

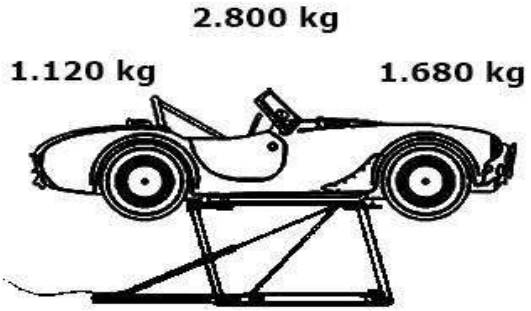


Fig. 2: Recommended load distribution

The PM Extended lift can lift a vehicle by approx. 100 cm allowing works under the vehicle, e.g. on wheels, brakes, shock absorbers or bodywork.
All other possible uses are considered as misuse and PM-Tools shall not be liable for any resulting damages. In particular, it is forbidden to lift persons, animals or objects other than passenger cars.

2.7 Safety devices

The lift is equipped with an emergency stop switch. Lifting and lowering are possible only by triggering the foot pedal. After release of the pedal all motions are immediately stopped.

Furthermore, the lift is equipped with a mechanical safety device. From lifting height of approx. 50 cm two securing rods slide into the safety catches (they are automatically raised during lifting of the lift). This means that in the event of a sudden hydraulic or pneumatic failure, the lift can only descend to the next safety point.

2.8 Regular inspection of the lift

The lift must be inspected at twelve-month intervals by a licensed expert or a specialist based on the inspection log. These checks need to be documented.

See section 12. The inspection log at the end of this user's manual.

2.9 Declaration of conformity

Deklaracja zgodności WE

pm-tools	Deklaracja zgodności WE	Data:

Producent:

pm-tools Paulina Drzymała
ul. Małorolnych 10B
66-400 Gorzów Wielkopolski

oświadcza, że produkt

Podnośnik samochodowy krótkoskokowy
Model: PM LIFT Extended
Funkcja: Urządzenie podnośnikowe do prac wokół pojazdu
Numer seryjny: ..... Rok 20.....

odpowiada wymogom dyrektywy maszynowej 2006/42/WE z 17.05.2006 r.

Zastosowana norma zharmonizowana:

PN-EN 1493:2021

Gorzów Wielkopolski, dnia 01.01.2023

Osobą upoważnioną do zestawienia dokumentacji technicznej w myśl dyrektywy maszynowej jest:

Paulina Drzymała
ul. Małorolnych 10B
66-400 Gorzów Wielkopolski
tel. 505 334 419

Podpis osoby upoważnionej

3. Delivery

The lift is delivered in a packaging in the pre-assembled condition.

DANGER

There is a risk of falling when transporting the lift with a crane.
This can lead to serious injuries with fatal consequences.

- You should never stand under suspended loads.
- Use only approved, suitable lifting equipment.

WARNING

Packaging material is hazardous to children. There is a danger of suffocation.
Dispose of packaging material according to applicable regulations immediately after unpacking the lift.

Scope of delivery:

- Lift
- Foot pedal controller
- 4 support plates with heightadjustable supports
- Towing bar
- Manual and inspection log
- Declaration of conformity

Available accessories:

- Plastic ramps for vehicles with low suspension
- Rubber bumper
- Support trestles
- Ramps
- Heavy-duty wheels
- Hose package
- Auxiliary equipment for vehicle loading

3.1 Main components of the lift

Fig. 3: Main components of the lift

1. Adjustable support arms at the front; right and left
2. Rear support arms; right and left
3. Transport roller with axial mounting screw; right and lef
4. Securing bars; right and left
5. Hydraulic actuator
6. Fixing of towing bar
7. Hydraulic hose
8. Foot pedal controller

Fig. 4: Supporting component with carrier plate

3.2 Main components of the foot pedal controller

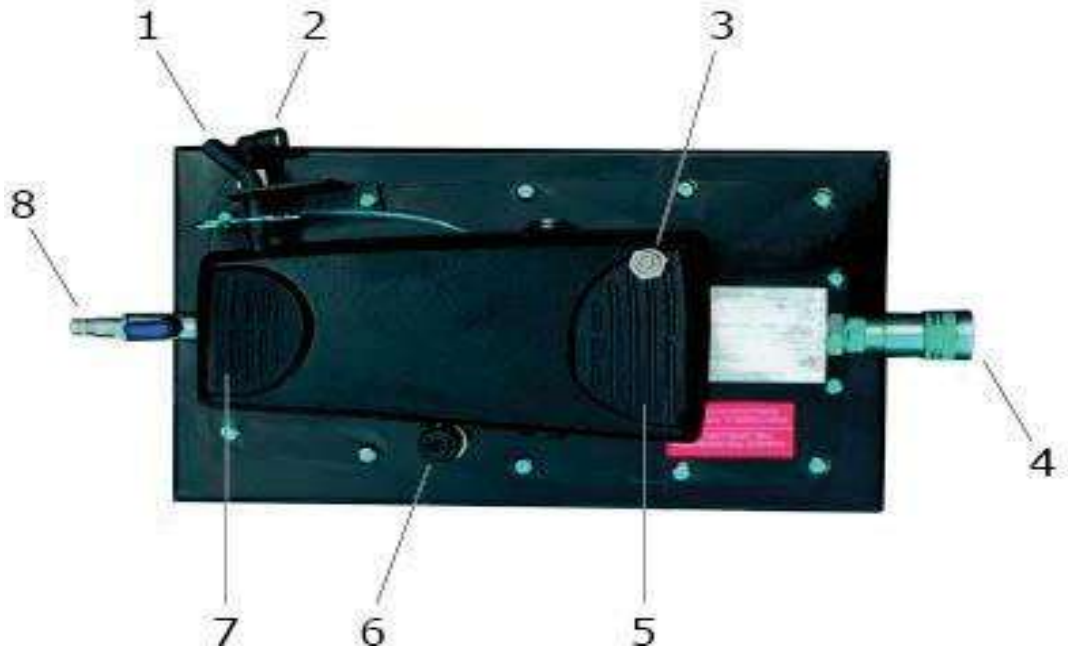


Fig. 5: Main components of the foot pedal control unit

1. Pin lock
2. Compressed air inlet for unblocking
3. Unlocking switch
4. Hydraulic coupler
5. Foot pedal for lowering operation
6. Oil filler connector with dipstick
7. Foot pedal for lifting operation
8. Compressed air connector with ball valve

Fig. 6: Unlocking switch

4. Assembly and installation

DANGER

If the foundation is too weak or the ground is pitched and a vehicle is being lifted at the same time, there is a risk of the lift tipping over.
Failure to follow the instructions may result in death or serious injury.
Before setting up the lift, check the ground with a level. Check the bearing capacity of the substrate in the relevant documents.

DANGER

There is a risk of the vehicle falling if the lift is moved with the vehicle on it.
Failure to follow the instructions may result in death or serious injury.
Move the lift only when there is no load on the lift.

4.1 Foundation

The substrate must be level and dry. Make sure that the substrate can withstand the load (including the vehicle being lifted approx. 3,100 kg).

HINT

Our range of accessories includes special heavy-duty rollers and a hose package for proper operation of the lift with the vehicle on it.
Please contact us.

4.2 Operation of the lift

HINT

If the lift is to be positioned under the vehicle, the lift clearance must be set to a low height in advance. When operating, the lift body should be at a height of approx. 1 cm above the ground.

Fig. 7: Transport rollers

Fig. 8: Fixing of towing bar

Fig. 9: Towing bar

1. Raise the lift to a height of 20-80 cm without load. This height later has a decisive influence on the ground clearance when operating the lift. Depending on the selected mounting height, the clearance is between 1 cm and 8 cm and can therefore be adjusted.

2. To extend the transport rollers, loosen the axial mounting screws on both sides of the lift clockwise with an SW 22 wrench until the transport rollers touch the ground. (Fig. 7)

3. Tighten the mounting screws again.

4. Insert the towing bar into the fastening point. (Fig. 8)

5. Position the lift

6. To retract the transport rollers, turn the two mounting screws counterclockwise until the lift rests completely on the ground again.

7. Remove the towing bar.

4.3 Before the first start-up

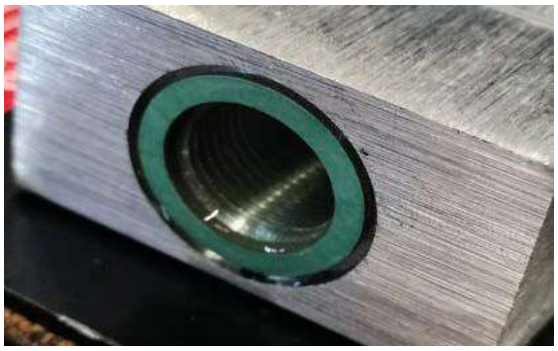


Fig. 10: Hydraulic coupler with transport seal

1. Remove the screw on the hydraulic coupler (Fig. 5, position 4) using a SW6 mm Allen wrench. Set the screw aside for use in the future. It will be necessary during further use of the lift.

2. Completely remove the green transport seal. Sealing

   surface must be clean. (Fig.10)

Fig. 11: Hydraulic coupler with sealing rings and adapter

3. Screw the supplied hydraulic connector and adapter with two sealing rings into the hydraulic coupler. To do this, a SW 19 wrench and a SW 22 mm wrench are required. (Fig. 11 and 12)

4. Tighten the adapter and connector securely.

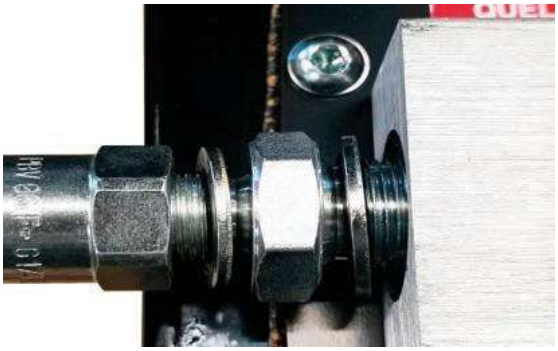


Fig. 12: Installation of the hydraulic coupler

Fig. 13: Hydraulic coupler installed

Fig. 14: Compressed air connector with protective cap

5. Remove the red protection cap from the compressed air connector (Fig.5, position 8). Set the protective cap aside for use in the future. It will be necessary during further use of the lift.

Fig. 15: Compressed air connection

6. Screw the compressed air connection with a seal to the compressed air connector. To do this, a SW 17 mm wrench is required (Fig. 15 and 16)

Fig. 16: Compressed air connection installed

7. Tighten the connection securely.

4.4 Connecting the foot pedal controller

⚠ WARNING

There is a risk of eye injury. Air or hydraulic fluid escaping under pressure may cause serious injury. This can lead to eye injuries, among other things.
Always wear safety glasses when working with compressed air and hydraulic systems. The following operations should be performed only with safety glasses.

NOTE

Regularly check compressed air and hydraulic hose lines and connections for leaks and damage. Damaged components must be immediately replaced with original replacement parts before further use of the lift.

To avoid damage, observe the following sequence:

Fig. 17: Foot pedal controller

1. Make sure that the foot pedal controller is no longer connected to the compressed air supply. The device must be depressurized.

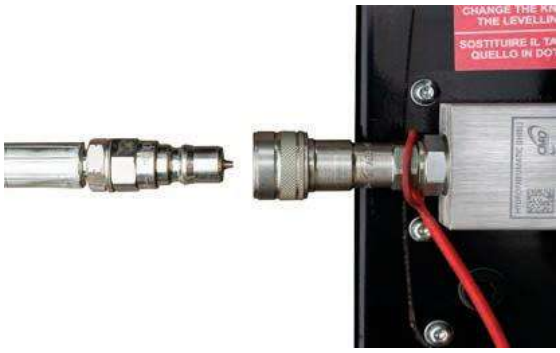


Fig. 18: Hydraulic hose connection

2. First, connect the lift hydraulic line to the foot pedal controller. (Fig. 18)

3. Make sure the blue lock release connection hose is firmly seated in its coupler. (Fig. 19)

4. In the last step, connect the compressed air system hose to the foot pedal controller. (Fig. 20)

4.5 Filling with hydraulic oil / Checking the oil level

NOTE

Hydraulic oil is hazardous to the environment. There is a threat of environmental pollution.
A particular hazard exists for drinking water. Leaking hydraulic oil should be removed immediately and disposed of in an environmentally friendly manner.

⚠ WARNING

Hydraulic oil can cause serious eye injury. This can cause irreversible damage to the eyes.
The following operations should be performed only with safety glasses.

On first start-up, loosen the oil filler connector screw with a 6 mm Allen wrench. Set the screw aside for use in the future. It will be necessary during further use of the lift. (Fig. 21)

Fig. 21: Oil filler connector with dipstick

To check the oil level, proceed as follows (Fig. 21):

1. Screw the dipstick into the oil filler connector.
2. Unscrew the dipstick.
3. Check the oil level on the dipstick.

The oil level must be between minimum and maximum. (Fig. 22)

If the oil level is too low, place a funnel in the oil filler connector and fill with HLP 22 hydraulic oil. The maximum filling quantity is 4.2 litres.

Screw in the dipstick again.

Fig. 22: Measuring dipstick for oil

4.6 Support arms adjustment

To lift the vehicle, move the support arms to the position of the vehicle lift points.
All four support arms can be adjusted to 180°.

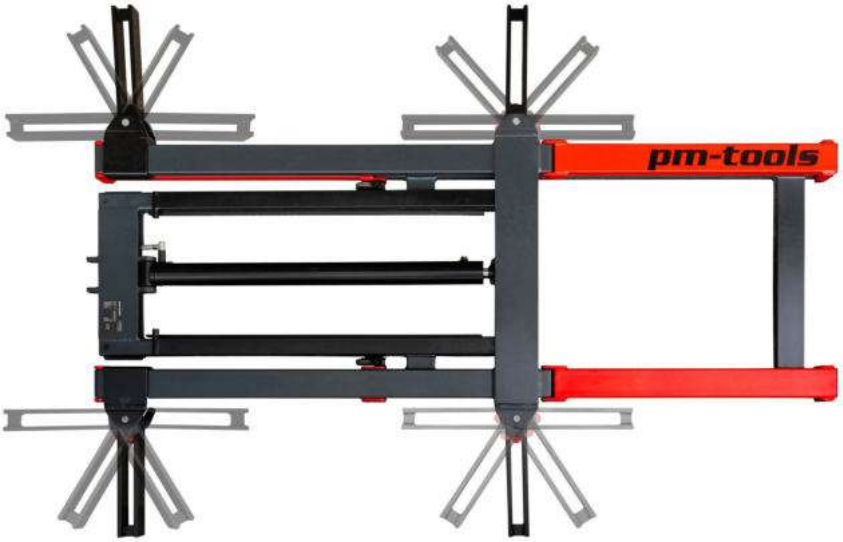


Fig. 23: Adjustment possibilities for support arms

Fig. 24: Unlocking the support arm

1. To unlock the support arm, pull up the red lever located inside the corresponding support arm. (Fig. 24)

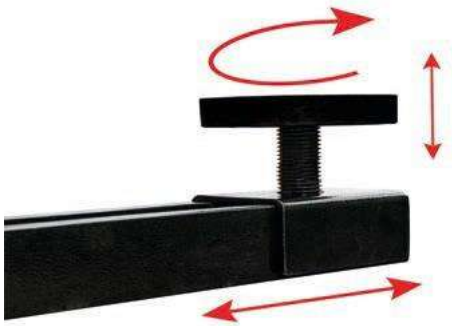
Fig. 25: Layout of holes for adjusting the support arms

2. Adjustment of the support arms is done in the same manner as adjustment of the hole pattern. When the red lever is released, the support arm locks into the desired position. (Fig. 25)

5. Lift operation

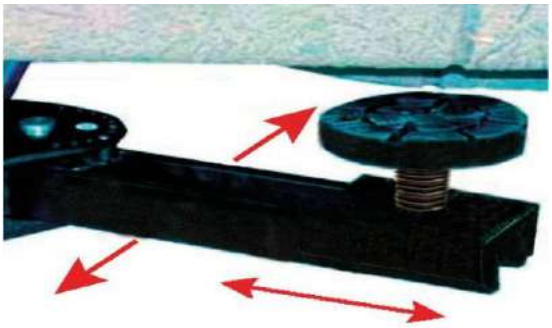
5.1 Positioning vehicles on the lift

The lift must rest in the lowered position on the ground. The transport rollers of the lift must be retracted.
Check whether all support arms are folded and whether the support components with support plates are not resting on the support arms.
Position the vehicles so that the hydraulic actuator is facing the engine. (Fig. 2)
Carefully drive the vehicle over the lift. Position the vehicle so that all 4 support arms are at the height of the lifting points of the vehicle.



1. Tilt the support arms outward.
2. Place the support components with support plates on the support arms.
3. Check whether the support components can be moved and whether the support plates can rotate. (Fig. 26)

Fig. 26: Support component with support plate on the support arm



4. Tilt the support arms with the support components exactly under the vehicle support points.

To correct the distances between the support plates and the lifting points, rotate the support plates as far as necessary.

Fig. 27: Setting the support arm and the support component

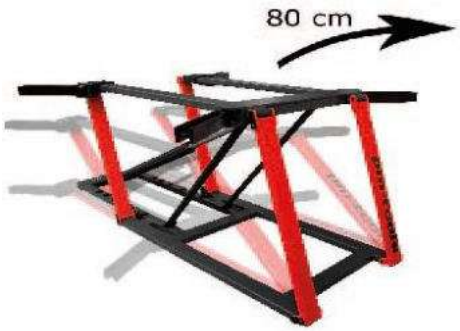
5.2 Raising and lowering the vehicle

NOTE

For horizontal lifting, make sure that all 4 support members are moved on the support arms by approximately the same distance.
In addition, all the support plates should be rotated all the way to the bottom at the beginning. (Fig. 26)

⚠ DANGER

There is an increased risk of crushing.
People may become trapped during lifting.
This can lead to serious and irreversible injury. There is a risk of losing hands and arms.
Do not reach into the lift while operating.



Remember that as the lift moves upward, it simultaneously moves toward the attachment point of the towing bar with the vehicle. A total of 80 cm can be moved forward in this way. The safety distance observed must take this movement into account. (Fig. 28)

Fig. 28: Travel of the lift during upward motion

⚠ DANGER

There is an increased risk of crushing.
If the lift falls, people may become trapped underneath it.
Failure to follow the instructions may result in death or serious injury.
Standing directly underneath a raised vehicle is prohibited.
No persons or animals are allowed in the lift safety area.

⚠ DANGER

There is a danger of falling.
Vehicles may fall from the lift. People may be trapped.

- No persons are allowed to stay on or in the lift.
- No people can be in or on the vehicle while it is being lifted.
- When disassembling vehicle parts, make sure that the centre of gravity is not shifted.
- Ensure the correct load distribution (3:2 / 2:3) as shown in section 2.6 Intended use (Fig. 2).

HINT

To avoid damaging the hydraulic hose, be careful not to pinch it when lowering.

HINT

Check the operation of the lock release before each use.
The release switch unlocks the safety bars.

Fig. 29: Pin lock with safety cotter

If there is a pin lock on the foot pedal control assembly, remove it.
(Fig. 29)

NOTE

Secure the lift to prevent accidental lowering:

- When lifting, always raise the lift to the nearest safety catch.
- After raising, put a pin lock on the control unit. (Fig. 29)

NOTE

Do not stand on the foot pedal with your entire body weight.
This can cause damage to the control valves. The foot pedal can be operated by applying light foot pressure.

NOTE

Avoid jerky raising and lowering.

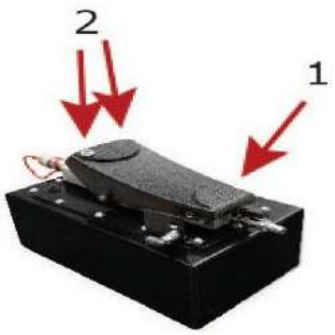


Fig. 30: Foot pedal

To lift the vehicle, operate the foot pedal on the compressed air side (1).

To lower the vehicle, operate the foot pedal on the hydraulic side simultaneously with the unlock switch (2).

(Fig. 30)

6. Maintenance and care

The lift is a low maintenance product. Nevertheless, some maintenance and care is necessary. Adherence to maintenance intervals and care instructions is part of proper lift operation. PM-Tools is not responsible for damage caused by negligent maintenance and care.

6.1 Maintenance schedule

The information is for commercial use.
Longer intervals may be appropriate for personal use. In that case, inspect the lift before and after use, and perform maintenance if necessary.

Every day	Every two weeks	Every year
Check tightness of hydraulic and pneumatic systems.	Lubricate with grease all moving parts, especially the joints.	Replace pneumatic hoses. For private use, a longer period of use is possible.
Remove large amounts of debris from the lift.		Change the hydraulic oil and oil filter. Use only HLP 22 hydraulic oil. The filling quantity is 4.2 litres.
Remove debris from the lift actuator piston rod.		
Check the support plate for any damage.		
Remove debris from the safety catches.		

Tab. 1: Maintenance plan

Replace the hydraulic hose supply line every six years, regardless of actual frequency of use.

7. Troubleshooting / Malfunctions

The following table lists some of the malfunctions that may occur during operation. Troubleshooting should only be performed by authorised personnel. Only original spare parts should be used. PM-Tools is not responsible for lack of expertise or use of unapproved spare parts. This applies in particular to damage to people, animals or material damage. In the event of a failure, the manufacturer's technical service must be notified immediately so that further action can be agreed.

Disturbance	Cause	Removal
The lift does not raise, but the pump works.	- no oil in the tank - clogged oil filter - worn or	- refill oil (HLP 22) - clean - repair
The lifter does not perform a fully continuous lift cycle.	- Oil level below minimum	- refill oil (HLP 22)
The lift lifts unevenly.		•- vent the tank through the vent screw
When the lifting is completed, the lift moves toward the safety device.	- vent valve jammed - safety valve blocked of the actuator	- clean/unblock the vent valve - perform cleaning or replacement

Tab. 2: Troubleshooting

8. Technical data

Lift capacity	2,800 kg
Pneumatic pressure	6-7 bar
Dead weight	approx. 300 kg
Max. lifting height	approx. 97,5 / 100 cm
Min. lifting height	approx. 36 cm
Min. assembly height	approx. 10,5 cm

Tab. 3: Technical data

8.1 Hydraulic and pneumatic diagram

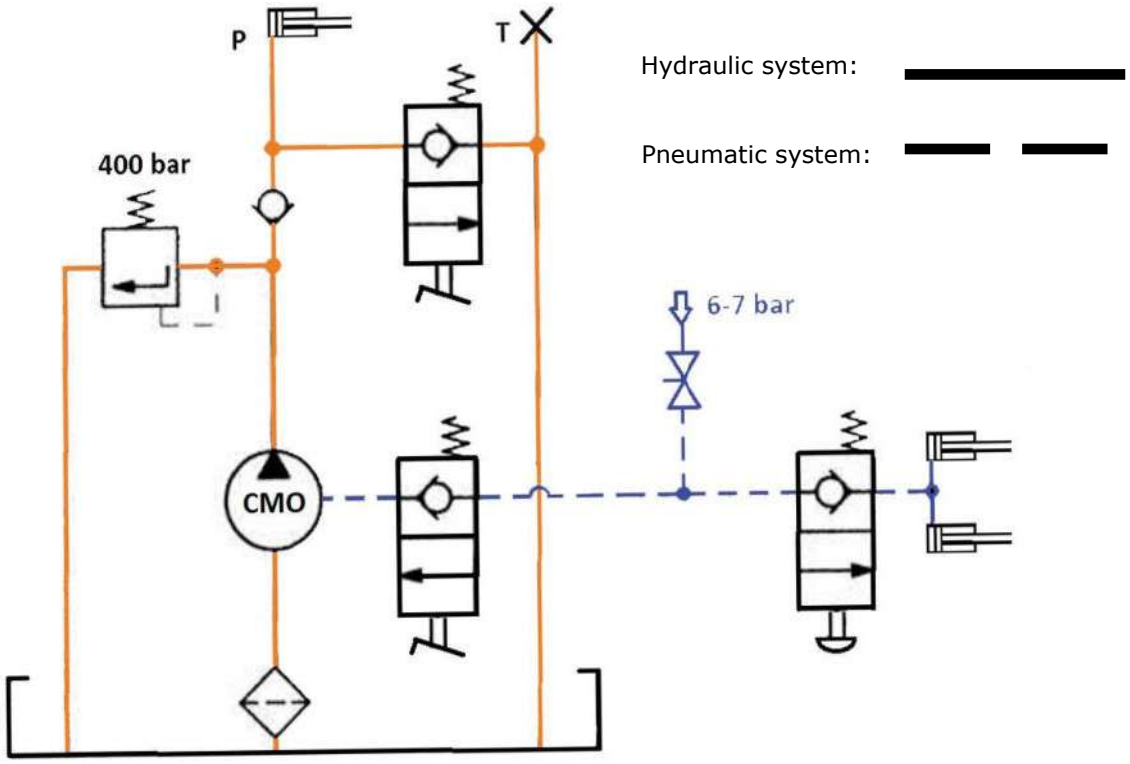


Fig. 31: Hydraulic and pneumatic diagram

8.2 Spare parts list

Article no.	Name
HS-3-1	Hydraulic hose 3m, 1 channel
HS-4-1	Hydraulic hose 4m, 1 channel
HS-5-1	Hydraulic hose 5m. 1 channel
HS-3-2	Hydraulic hose 3m, 2 channels
HS-4-2	Hydraulic hose 4m, 2 channels
HS-5-2	Hydraulic hose 5m, 2 channels
EK-2	2-channel hydraulic extender
PZ	Pneumatic actuator
HZ	Hydraulic actuator
HK	Fluid couplings set
HK+	Fluid couplings set, dry closed
PK	Pneumatic coupling
RD	Towing bar
GT125	Rubber plate 125mm
GB20	Rubber block 20x150x120mm
GB40	Rubber block 40x200x110mm
GB50	Rubber block 50x120x120mm
GB72	Rubber block 72x120x120mm
GB100	Rubber block 100x200x120mm
RFW65	Carriage wheels 65mm

Table 4: Spare Parts

9. Waste disposal and environmental protection

NOTE

There is a threat of environmental pollution. Hydraulic oil is hazardous to the environment. A particular hazard exists for drinking water. Leaking hydraulic oil should be removed immediately and disposed of in an environmentally friendly manner.

Dispose of the lift and hydraulic oil in accordance with applicable regulations to avoid environmental hazards.

10. List of figures

11. List of tables

12. Inspection log with templates

The lift must be inspected at twelve-month intervals by a licensed expert or surveyor using an inspection log. These checks need to be documented.

Experts are distinguished by the fact that they are qualified to inspect and evaluate lifting equipment on the basis of their training and experience. They are also familiar with relevant state health and safety regulations, accident prevention regulations, and generally recognised technical principles.

Surveyors are distinguished by the fact that they have sufficient knowledge and experience with lifting systems to assess the safe condition of a lifting system. They are also familiar with relevant state health and safety regulations, accident prevention regulations, and generally recognised technical principles.

The inspection report must include the following items:

- Date and scope of inspection.
- Identification of any outstanding component inspections, if any.
- The result of the inspection with an indication of the deficiencies found.
- The evaluation of whether there are any concerns regarding commissioning or continued operation.
- Information on additional testing needed.
- Name, address and signature of inspector.

The user must acknowledge in the report that they have reviewed the defects found and that they will be corrected.

Be sure to copy the following forms before regular and extraordinary inspections:

12.5 Regular safety check
12.6 Extraordinary security check

Keep test results in a separate binder.

12.1 Inspection review

This lift inspection log no._____ consists of:
1. Main page and preview drawing
2. Report of the test conducted prior to initial start-up
3. Results of regular and extraordinary inspections

Type of test	Date	Sheet no.

The completeness of the inspection log is verified by each expert and surveyor. In all cases, the inspection log should be completed accordingly. Do not remove any cards/pages.

12.2 Main sheet

Lift manufacturer/supplier:	PM-Tools
Designation / Type:	PM Extended Lift
Year of manufacture:	
Serial Number:	
Delivery / start-up date:	
Allowable operating pressure:	max. 7 bar
Lift capacity:	2,800 kg
Allowable load distribution:	2:3 / 3:2
Dead weight:	approx. 300 kg
Standing under the load restraints is allowed:	No
Climbing on the load restraints is allowed:	No
Carriage of persons on the load restraints is permitted:	No
Use as a raised work platform is permitted:	No
Maximum lifting speed:	1 cm/s
Maximum lowering speed:	1,5 cm/s
Safety device against accidental start-up::	Dead man's switch
Safety device against accidental lowering:	Safety bars with safety catches

12.3 General arrangement drawing

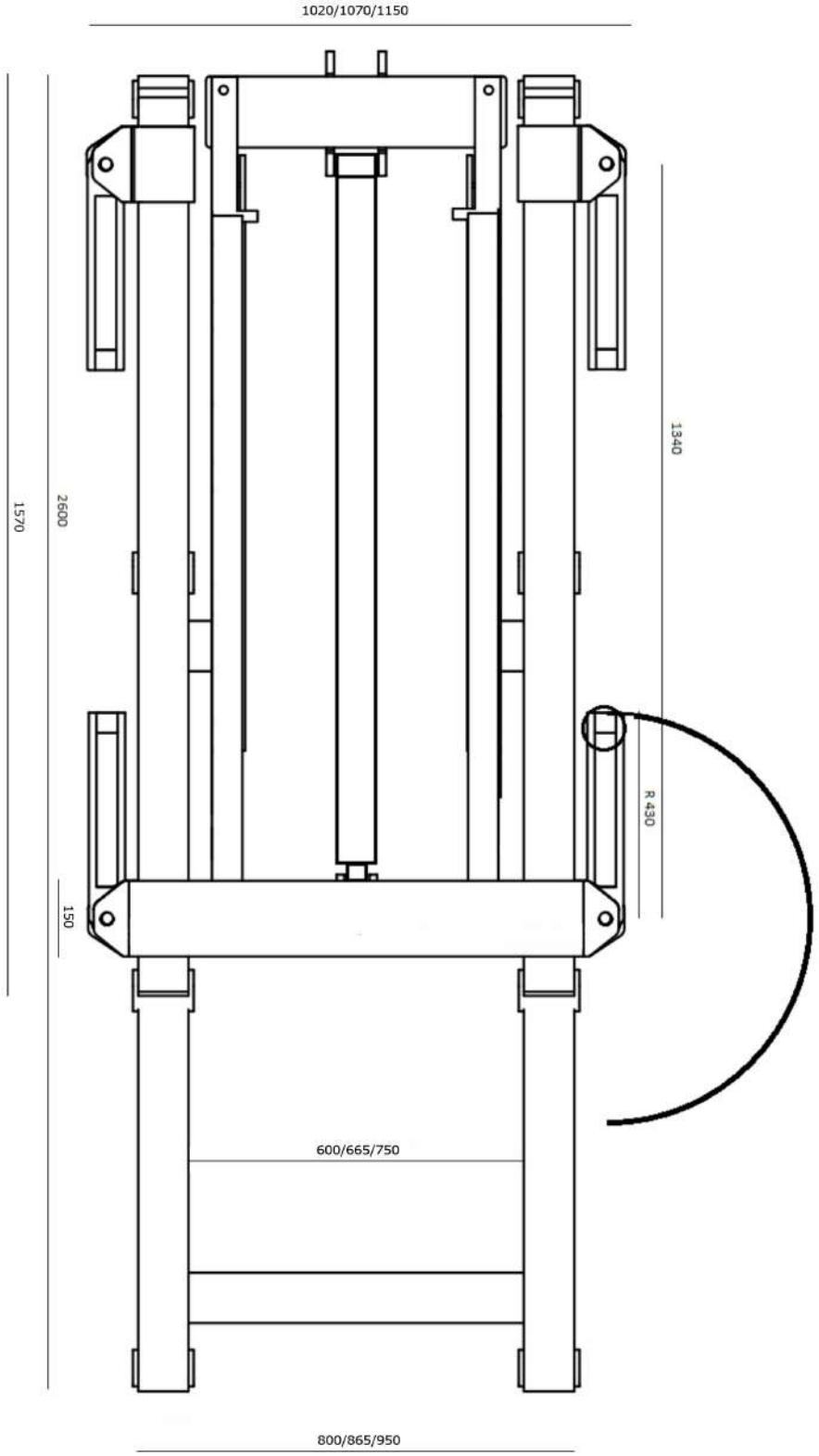


Fig. 32: General arrangement drawing

12.4 First start-up

according to DGUV 308-002-2004 (formerly BGG 945) prior to initial start-up

Lift No.: _____ Sheet no.:_____

	OK	Defective	Additional check	Notes
General condition				
Rating plate				
Warning sign				
User's manual				
Supporting arms condition				
Supporting plates condition				
Hydraulic hoses condition				
Pneumatic hoses condition				
Drive unit condition				
Load-bearing parts condition				
Welds condition				
Paint condition				
Piston rod condition				
Locking pins condition				
Bearings condition				
Hydraulic oil level				
Control unit condition				
Lifting function				
Lowering function				
Dead man's switch function				
Functional of safety device				
Performance test under load				

Test results

☐ No defects. Starting is possible without reservations.

☐ Minor defects. Starting possible. Deadline for defects removal:

☐ Major Defects. Starting prohibited.

Date	Expert	Address	Signature
Date	User	Address	Signature

Notes

Results of an inspection prior to initial start-up conducted by an expert

Lift no.: _____ The sheet no.: _____
underwent operability test on ..... The following defects/no defects have been stated*:

_____

_____

_____

_____

Outstanding components tests:

_____

The following objections/no objections to commissioning have been stated.*

Expert User

_____ _____

Place, date, signature Signature

Name of expert: _____
(in capital letters)
Address: _____

_____

Occupation: _____

employed in: _____

* Delete as appropriate.

Notes

12.5 Regular safety check

according to DGUV 308-002-2004 (formerly BGG 945)

Lift No.:_____ Sheet no.: _____

	OK	Defective	Additional check	Notes
General condition				
Rating plate				
Warning sign				
User's manual				
Supporting arms condition				
Supporting plates condition				
Hydraulic hoses condition				
Pneumatic hoses condition				
Drive unit condition				
Load-bearing parts condition				
Welds condition				
Paint condition				
Piston rod condition				
Locking pins condition				
Bearings condition				
Hydraulic oil level				
Control unit condition				
Lifting function				
Lowering function				
Dead man's switch function				
Functional of safety device				
Performance test under load				

Test results

☐ No defects. Starting is possible without reservations.

☐ Minor defects. Starting possible. Deadline for defects removal:

☐ Major Defects. Starting prohibited.

Date	Expert	Address	Signature
Date	User	Address	Signature

Notes

Results of the additional inspection conducted by the expert

Lift No.:_____ Sheet no.:_____

The lift underwent regular operability test on_____The following defects/no defects have been stated*:

_____

_____

_____

_____

Outstanding components tests:

_____

The following objections/no objections to commissioning

have been stated.* Expert User

_____ _____

Place, date Signature

Name of expert: (in capital letters) _____

Address: _____

_____

Occupation: _____

employed in: _____

* Delete as appropriate.

Notes

12.6 Extraordinary security check

according to DGUV 308-002-2004 (formerly BGG 945)

Lift No.:_____ Sheet no.:_____

	OK	Defective	Additional check	Notes
General condition				
Rating plate				
Warning sign				
User's manual				
Supporting arms condition				
Supporting plates condition				
Hydraulic hoses condition				
Pneumatic hoses condition				
Drive unit condition				
Load-bearing parts condition				
Welds condition				
Paint condition				
Piston rod condition				
Locking pins condition				
Bearings condition				
Hydraulic oil level				
Control unit condition				
Lifting function				
Lowering function				
Dead man's switch function				
Functional of safety device				
Performance test under load				

Test results

☐ No defects. Starting is possible without reservations.

☐ Minor defects. Starting possible. Deadline for defects removal:

☐ Major Defects. Starting prohibited.

Date	Expert	Address	Signature
Date	User	Address	Signature

Notes

Results of the extraordinary inspection conducted by the expert

The lift no.: _____ The sheet no.: _____

underwent extraordinary operability test on ..... The following defects/no defects have been stated*:

_____

_____

_____

_____

Outstanding components tests:

_____

The following objections/no objections to commissioning have been stated.*

Expert User

_____ _____

Place, date Signature

Name of expert: (in capital letters) _____

Address: _____

_____

Occupation: _____

employed in: _____

* Delete as appropriate.

Notes

ACCESSORIES

steel ramps
set

plastic ramps
set, 50 mm, 2x4 m

electric pump
220 Bar 2,2 KW

pneumatic pump
6 Bar / 300 Bar

transport rollers*
4 x 800 kg

*require a second channel

loading system*

*require a second channel

whell stands
set

second channel
- pneumatic pump
- electric pump

motorcycle platform

foil racks

offroad system

non-spill quick coupling

lifting rubber
20 mm

lifting rubber
200x113x42 mm

lifting rubber
72 mm

lifting rubber
122,5 mm

heat gun stand

+ we can paint the mobile car lift with any colour of the RAL palette

We are a Polish company which produce in Poland!
Ask us for a other lift than in the basic offer!
We also make individual orders.

pm-tools

DP DETAILING/ DISTRIBUTOF OF PM-Tools

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Business Park, Ennis, Co. Clare

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