## OPERATING INSTRUCTIONS



## Vacuum lifting device AERO PORO

(with vacuum blower SV300/3)

Machine No.



General drawing to illustrate the device structure. Dimensions of beams and suction plates as well as their number can vary and can be found in the offer / order.

Load bearing capacity: max/SWL/WLL kg at 200 mbar (20% vacuum)

The load bearing capacity is reduced by 15 kg / 10 mbar (1%) when reaching the final vacuum (AE-PORO 300-1L) The load bearing capacity is reduced by 30 kg / 10 mbar (1%) when reaching the final vacuum (AE-PORO 600-2L) The load bearing capacity is reduced by 45 kg / 10 mbar (1%) when reaching the final vacuum (AE-PORO 900-3L)



#### Read carefully prior to start up!

AERO-LIFT Vakuumtechnik GmbH Turmstraße 1 | 72351 Geislingen | Germany

E-Mail: info@aero-lift.de Tel.: +49(0)7428 / 94514-0 Fax: +49(0)7428 / 94514-38

moving limits www.aero-lift.de

Operating Instructions for vacuum lifting device AERO PORO 300/1L & 600/2L & 900/3L Page 2

#### Unit configuration / Description

Suitable for the **horizontal** transport of materials, such as wooden panels with a maximum weight of - kg.

Goods to be transported: panels with an air-permeable surface

Mode of transportation: horizontal transport

Designed for the interior (+5 to 40°C).

Main beam length: - mm
Dead weight: approx: - kg

The vacuum supply is guaranteed by a vacuum blower type VAL SV300/3,

Suction volume: 150 m<sup>3</sup>/h, max. Vacuum 30%, Voltage: 400V, 50 Hz, Power: 2,2 kW,

## Optionale Konfiguration / Optionen Optional Configuration / Accessoires

Bezeichnung/	Beschreibung /	Symbol
Designation	Description	
-FG	Einlegeplatte	5
	insert plate	<b>S</b>
-CH	Kettenzuganbindung	士
	Chain hoist connection	干
HV-KSTB	Haltetasche für Kransteuerbirne	
	Holding bag for crane control panel	W
KBT 5000/5x1	Kabeltrommel 5,0 m	
	Cable drum 5,0 m	₽=_
KBT 1000/5x1	Kabeltrommel 10,0 m	<b>5</b>
	Cable drum 10,0 m	₽=_
SK	Sonderkonstruktion / Special	
	construction	
Outdoor	Gerät ist für die Benutzung im	
	Außenbereich geeignet / The device	
	is suitable for outdoor use	

AERO 600 / 2L			
		Load bearing	
Vacuum le	Vacuum level		
-200 mbar	20%	max. 600 kg	
-190 mbar	19%	max. 570 kg	
-180 mbar	18%	max. 540 kg	
-170 mbar	17%	max. 510 kg	
-160 mbar	16%	max. 480 kg	
-150 mbar	15%	max. 450 kg	
-140 mbar	14%	max. 420 kg	
-130 mbar	13%	max. 390 kg	
-120 mbar	12%	max. 360 kg	
-110 mbar	11%	max. 330 kg	
-100 mbar	10%	max. 300 kg	
-90 mbar	9%	max. 270 kg	
-80 mbar	8%	max. 240 kg	
-70 mbar	7%	max. 210 kg	
-60 mbar	6%	max. 180 kg	
-50 mbar	5%	max. 150 kg	
-40 mbar	4%	max. 120 kg	
-30 mbar	3%	max. 90 kg	
-20 mbar	2%	max. 60 kg	
-10 mbar	1%	max. 30 kg	

AERO 300 / 1L			
		Load bearing	
Vacuum level		capacity	
-200 mbar	20%	max. 300 kg	
-190 mbar	19%	max. 285 kg	
-180 mbar	18%	max. 270 kg	
-170 mbar	17%	max. 255 kg	
-160 mbar	16%	max. 240 kg	
-150 mbar	15%	max. 225 kg	
-140 mbar	14%	max. 210 kg	
-130 mbar	13%	max. 195 kg	
-120 mbar	12%	max. 180 kg	
-110 mbar	11%	max. 165 kg	
-100 mbar	10%	max. 150 kg	
-90 mbar	9%	max. 135 kg	
-80 mbar	8%	max. 120 kg	
-70 mbar	7%	max. 105 kg	
-60 mbar	6%	max. 90 kg	
-50 mbar	5%	max. 75 kg	
-40 mbar	4%	max. 60 kg	
-30 mbar	3%	max. 45 kg	
-20 mbar	2%	max. 30 kg	
-10 mbar	1%	max. 15 kg	

AERO 900 / 3L			
		Load bearing	
Vacuum le	Vacuum level		
-200 mbar	20%	max. 900 kg	
-190 mbar	19%	max. 855 kg	
-180 mbar	18%	max. 810 kg	
-170 mbar	17%	max. 765 kg	
-160 mbar	16%	max. 720 kg	
-150 mbar	15%	max. 675 kg	
-140 mbar	14%	max. 630 kg	
-130 mbar	13%	max. 585 kg	
-120 mbar	12%	max. 540 kg	
-110 mbar	11%	max. 495 kg	
-100 mbar	10%	max. 450 kg	
-90 mbar	9%	max. 405 kg	
-80 mbar	8%	max. 360 kg	
-70 mbar	7%	max. 315 kg	
-60 mbar	6%	max. 270 kg	
-50 mbar	5%	max. 225 kg	
-40 mbar	4%	max. 180 kg	
-30 mbar	3%	max. 135 kg	
-20 mbar	2%	max. 90 kg	
-10 mbar	1%	max. 45 kg	

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Dear Customer,

In order to prevent property damage or personal injury, it is necessary to **observe the instructions and guidelines** covered in this instruction manual and to make sure that your unit is <u>regularly</u> serviced. Moreover, this information must be read, understood and observed in all aspects by all personnel who are entrusted with working with this vacuum lifting device.

<u>The complete instruction manual</u> must be kept in close proximity to the device at all times.

AERO-LIFT Vakuumtechnik GmbH assumes no liability for any damages and disruptions resulting from failure to comply with this instruction manual!

We reserve the right to implement technical changes that are aimed at improving the vacuum lifting device.

If you should experience any difficulties, however, do not hesitate to contact us. We will make an effort to promptly assist you. Our address:

AERO-LIFT Vakuumtechnik GmbH Turmstraße 1 | 72351 Geislingen | Germany

E-Mail: info@aero-lift.de Tel.: +49(0)7428 / 94514-0 Fax: +49(0)7428 / 94514-38

#### 1 Hardware configuration

see hardware configuration on cover page

#### 2 List of abbreviations

abbreviation	term	explanation
UVV	respective accident prevention	maintenance service for accident prevention
AL	AERO-LIFT	

## 3 Safety Instructions

#### 3.1 Target Group

These operating instructions have been written for persons who, due to their professional training, professional experience and recent professional activity, have sufficient expertise to handle the vacuum lifting device safely and correctly and who can read and understand the operating instructions.

#### 3.2 Functional Range and Intended Application

This vacuum lifting device is intended exclusively for transporting the goods specified under "Hardware configuration". The maximum load bearing capacity and the specified vacuum in relation to the load bearing capacity must be considered. The vacuum lifting device is technically constructed and equipped with the functions as shown in our offer and as specified in your order!

The vacuum lifting device is  $\underline{\text{NOT}}$  suitable for use in closed rooms, where particular risks (e.g., danger of explosion) exist.

Every other use is regarded as improper use. AERO-LIFT assumes no liability for any damage resulting from such use. The operator of the vacuum lifting device bears the risk alone.

#### NOTICE

The "suction/release" function is carried out by pressing the push button.

## 3.3 Explanation Safety Instructions

## Structure Warning Label:

## (1) SIGNAL WORD



- (2) Signal word classifies the danger
- (3) Information text: type and source of danger + possible consequences
- $\checkmark$  (4) Measures to be taken or prohibitions to be imposed
- (5) Pictogram: illustrates the danger

## Categorization of Warning Labels:

DANGER!	
Drine En.	DANGER indicates a hazardous situation, which, if not avoided, will result in death or serious injury.
WARNING!	
	WARNING indicates a hazardous situation, which, if not avoided, could result in death or serious injury.
CAUTION!	
CAUTION:	
CAUTION:	CAUTION indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.
CAUTION:	
NOTICE	

## 3.4 Explanation Icons

## Warning signs:

<u>^</u>	General Warning	Warning: Crushing
A	Warning: Electricity/high voltage	Warning: Overhead load
	Warning: Crushing of hands	Warning: Falling objects
	Warning: Hot surface	

## Mandatory signs:

Disconnect main plug from electrical outlet	Wear safety footwear
Wear ear protections	Wear protective gloves

## Pictograms:

	Vacuum level too low: Device <b>not</b> ready for operation		Device ready for operation
(S)	Read instruction manual/booklet before operation.		Do not stay underneath hanging load.
(**)	Manual slide valve to the left (keep safety lock pressed) for release	<b>(</b> ₹)	Manual slide valve to the right for suction

	Button for release Both buttons must be pressed simultaneously!		Button for suction
	Button for release and suction Both buttons must be pressed simultaneously!	<u>Å</u> max. <u>↓ 19</u> 0 cm	The load is not allowed to be lifted above the height of 1,8 m
AEROLIST Temestation Count In 19 19 19 19 19 19 19 19 19 19 19 19 19	Do not lift more than the load bearing capacity written on the type plate. Closed stopcocks reduce the load bearing capacity of the lifting device.	× 11	Manual slide valve red/green for individually lockable suction plates (optional) Red = blocked suction plate Green = not blocked suction plate

#### 3.5 Operator obligations and liability

The operator/user is obligated to:

- Use the vacuum lifting device only in a good state of repair.
- Immediately report any changes occurring in the vacuum lifting device that adversely affect safety to AERO-LIFT in writing.
- Check the vacuum lifting device regularly for apparent damage and deficiencies and report any occurring changes, including operating performance, immediately in writing!
- Adhere to maintenance cycles.
- Immediately eliminate or have eliminated any faults that may influence safety.

#### 3.6 General Safety Instructions

- The vacuum lifting device may **only** be operated by qualified personnel as well as serviced and maintained only by authorized persons.
- Every person, who works with this device, must read and understand the operating instructions.
- The vacuum lifting device is designed exclusively for the area indicated under "Functional Range and Intended Application".
- It is necessary to refrain from any action or behavior that adversely affects the safety of the device or jeopardizes one's own security or that of other persons or machinery and systems.
- Self-made modifications and changes that adversely affect the security of the vacuum lifting device are not permitted. AERO-LIFT assumes no responsibility for the resulting damages. Use only original AERO-LIFT spare parts.
  - AERO-LIFT assumes no responsibility when components from other manufacturers are used.
- Safety equipment may not be dismantled or deactivated under any circumstances.
- In case of sudden vacuum outage, the load must be lowered immediately or secured against falling.
- Operating the vacuum lifting device is subject to the local safety and accident prevention regulations.

#### **DANGER!**



#### Electric voltage!

It is prohibited to open the housings while they are under voltage. Can cause injuries resulting in death, burns and damage to the unit.

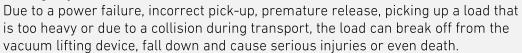


✓ Regular visual inspection for external damage of the electrical cables and the housing/cover.

#### DANGER!

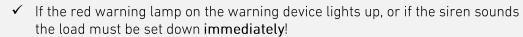


#### Falling objects!





- ✓ Stand clear of suspended loads! Do not climb on suspended loads.
- ✓ Persons are not allowed to stay in the transport area.





✓ Do not place loose objects on loads to be lifted.



#### **WARNING!**



#### Moving parts!

Persons can be injured by moving parts of the vacuum lifting device. Persons can be pushed, caught and injured by the lifting device in the process area.



- ✓ Do not stay within the transport area.
- ✓ The operator must supervise the operating procedure.



#### **WARNING!**



#### Hot parts – risk of burns!

Persons can burn themselves on the vacuum pump, as it becomes hot after prolonged operation.

✓ Clean air supply/filter regularly

#### **NOTICE**

If existing, use the hose fixing to adjust the hoses in a semicircle towards the suction plates. The hose shall run straightly and firmly towards the hose suspensions, see Basic settings marked by AERO-LIFT.

#### 3.7 Foreseeable misapplications

The machine is <u>not</u> for the following applications:

- Handling of components or variations other than those approved by the manufacturer.
- Exceeding the maximum load capacity.
- Shutting off suction plates that go below the load capacity.
- Non-centered load handling.
- Slanted approach to the transport material when picking it up.
- Storage of the suction feet with the bottom side facing downwards.
- Use in closed rooms with special hazards (e.g. explosion hazard).
- Operation by untrained personnel.

#### <u>Do not lift the load</u> with the vacuum lifting device:



If the device is turned off.



If the siren sounds.

## 4 Technical Specifications

Load bearing capacity: see cover page

#### 4.1 Temperature limits for suction plate seals

Depending on the material characteristics of the suction plate seals, there are different temperature limits for the objects to be handled:

Material of suction plate seal:	Temperature limits:
Perbunan black	-20°C to + 80°C
Perbunan grey	-20°C to + 80°C
Perbunan white	-20°C to + 80°C
Silicone transparent or red	-30°C to + 180°C
Cellular rubber H0 / foam rubber	-10°C to + 70°C

The indicated temperatures relate to an unlimited contact time with the piece to be handled.

#### 4.2 Vacuum generator (side channel compressor / blower)

Type:	AL SV300/3
Motor capacity:	2.2 kW
Volume flow:	max. 150m³/h
max. final vacuum:	- 300 mbar
0 1: 11	/00 V 50 H
Operating voltage:	400 V, 50 Hz
Compressed air consumption:	No compressed air is used.
Sound level:	< 80 dB (A)
Souria tevet.	, 00 dD (/ ()

#### 4.3 Electrical voltage for vacuum pump

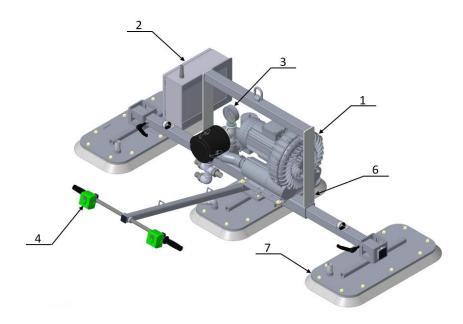
3ph+PE Alternating	400 V, 50 Hz (L1, L2, L3, PE)
current:	

## 4.4 Control voltage for warning system

Direct current:	400 V, 50 Hz
Direct current:	9 Volt

## 5 Designation and Explanation of Individual Components:

No.:	Designation:	Function:
1	Vacuum generator:	Building the vacuum
2	Warning system:	Electronic monitoring of transport readiness (the wiring diagram can be found in the annex)
3	Vacuum gauge:	Mechanical monitoring of the vacuum
4	Control valve:	For the function "suction – release"
5	Vacuum hose:	Connection between pump and suction plates.
6	Main frame:	The main frame is used to hold the vacuum generator, the suction plate holder and the warning device. The hanging loop for the crane hook is installed in the middle.
7	Suction plate:	Sealing the vacuum from the transported goods. Depending on the type and weight of the transported goods, the suction plate and its number are determined.



AERO PORO 900/3L-P

General drawing to illustrate the device structure. Dimensions of beams and suction plates as well as their number can vary and can be found in the offer / order.

#### 6 Commissioning

The device is delivered as a complete unit with all wires and a sense of rotation reversing switch 16A and is ready for connection. Prior to startup, it is necessary to check the vacuum lifting device for completeness and possible transport damage. Any possible transport damage must be reported immediately in writing!

Prior to startup, a test run shall be carried out to check the correct sense of rotation of the three-phase AC motors. For this purpose, all vacuum pumps and side canal compacters are provided with an arrow on the fan blade lid indicating the sense of rotation. Make sure that the motor sense of rotation corresponds with the direction indicated by the arrow. If this is not the case, change the sense of rotation by means of the reversing switch.

#### 6.1 Checking for leakage

At AERO-LIFT we implement a 100% quality and functional test of the delivered vacuum lifting devices. For safety reasons, check the device for any possible transport damages prior to startup. To this end, a leakage test is implemented in order to determine of possible device leakage.

#### Performance of the Leakage Testing:

Place the vacuum lifting device on a flat, dry and sealed workpiece (e.g. sheet metal). Now turn on the vacuum pump at the main switch. Then switch the valve to "suction". The control vacuum gauge now shows you the exact negative pressure.

The vacuum gauge must display a vacuum of > - 200mbar (for pump type: SV300/3).

## 7 Operation

#### 7.1 To switch on the vacuum lifting device

Switch on the vacuum lifting device using the main switch on the warning device.

#### **CAUTION!**



#### DANGER OF CRUSHING!

Moving crossbars and suction plates can cause hand injuries.

#### 7.2 Lifting the load

Place the vacuum lifting device onto the load using the crane. Switch to "suction" using the buttons. The load is sucked in and can be lifted and transported with the crane if the vacuum gauge indicates sufficient vacuum for the weight of the goods being transported.

#### WARNING!



#### Falling loads!

Incorrectly picking up the load can result in the load tearing off the suction plates and causing injuries to people.

- ✓ The load is only allowed to be picked up at the center of gravity and in the middle.
- ✓ The load is not allowed to be lifted above a height of 1.8 m.
- ✓ It must always be ensured that the vacuum gauge shows sufficient vacuum.
- ✓ Pay attention to the permissible load capacity!

#### 7.3 Transporting the load

The load can be transported to the desired location using the control of the lifting equipment.

#### **DANGER!**



#### Falling objects!

Danger of injury due to collision or contact. Risk of load breaking away from the suction plates. Persons can be injured by falling or moving parts during transport.



- ✓ Lower the load **immediately** if the red warning lamp lights up on the warning module or if the siren is actuated!
- ✓ While transporting the object with the aid of the crane, pay particular attention
  to ensure that the object never hits a wall or any other object.
- ✓ Only transport the load if the device is switched on.
- ✓ Never walk under a suspended load while being transported!

#### **WARNING!**



#### Moving parts!

Persons can be pushed, caught and injured by the lifting device within the process area.

✓ No persons or objects may be located/standing within the area of transport.

#### 7.4 Lowering the load

Move the vacuum lifting device to the desired position using the crane and lower the load. After the load was placed on the desired position, switch the vacuum valve on "Release". The suction plates will now be ventilated and the load will be released immediately.

#### **WARNING!**



#### Falling objects!

Premature release before the load is fully supported can result in severe crushing and shearing injuries.

✓ When lowering the load, make sure that the load is resting securely after being set down and cannot overturn or slide.

#### 7.5 Shutdown of Vacuum Lifting Device

To shutdown the device for a brief idle period, switch off the vacuum pump by means of the main switch. The vacuum lifting device can hang from the crane in such a way that the suction plates are freely suspended. If this is not possible or if the vacuum lifting device will not be used for a longer period of time, it should always be placed on trestles such that the suction plates are freely suspended and cannot be damaged.

#### **CAUTION!**



- ✓ Check the stability of the device before unhooking it from the load hook.
- ✓ Never place the device on the suction plates.

#### 7.6 Warning and Safety System

#### Control vacuum gauge:

The vacuum lifting device has a control vacuum gauge, which is installed in a clearly visible manner on the manipulation handle. This vacuum gauge shows you if the vacuum lifting device is ready for transport. Loads may only be lifted and transported if the pointer shows the minimum vacuum for the required load bearing capacity.

(see also the load bearing capacity table on the device).

#### Warning System:

The warning device monitors the mains voltage. In the event of a power failure, the electronic horn sounds and the transported goods must be set down immediately. In addition, the motor protection switch and a main switch are built into the warning device.

#### DANGER!



#### Falling objects!

In case the warning module experiences a failure or an error, there is a danger of load falling when the vacuum pressure is too low. This can cause severe crushing and shearing injuries.



- ✓ The operational readiness of the warning module has to be checked daily immediately before use and after extended periods of downtime!
- ✓ If the vacuum is too low, (control vacuum gauge indicator is in the red range or the siren is actuated and the red warning lamp lights up), no loads may be lifted and transported. Already picked up loads must be lowered immediately!

#### **How The Warning Module Works:**

#### Warning system with acoustic signal

The warning system is provided with a metal casing with a door and key. The siren is located under the casing. The main switch is located at the door. In addition, the device is provided with a battery charger and battery. The battery is used as an additional power supply for the siren in case of a power failure.

#### DANGER!



#### Electric voltage!

It is prohibited to open the housing while it is under voltage. Can cause injuries resulting in death, burns and damage to the unit.

✓ Regular visual inspection of the electrical cables and the housing or cover for external damage before switching on the device!

#### NOTICE

The acoustic signal can be heard up to an ambient noise level of up to 70 dB (A).

## 7.7 Troubleshooting checklist

Problems:	Cause:	Solution:
Vacuum drops significantly.	Object is too permeable to air	Vacuum lifting device not suited for this load.
	Suction plates cannot sit on surface.	Change position of suction plates.
	Suction plate seal defective.	Replace seal.
	Control vacuum gauge defective.	Replace vacuum gauge.
	Vacuum hose defective.	Replace hose.
Vacuum does not reach – 200 mbar.	Vacuum generator defective.	Check the blower for wear and replace if necessary.
Vacuum loss during transport.	Vacuum hose defective.	Replace hose.
	Suction plate seal defective.	Replace seal.
	Load is not suitable or too heavy.	Set load down and check whether all suction plates are actuated.
Suction/release no longer works.	Reversing valve or button defective	Replace defective parts.

## 8 Maintenance and repair

#### 8.1 Instructions

Disruptions that are caused by insufficient or improper maintenance of the device may result in high repair costs and an extended equipment failure. That's why regular maintenance is essential. According to the accident prevention guideline **DGUV 109-017**, it is necessary to have the vacuum lifting device undergo an annual inspection by an expert. The inspection date can be found on the inspection sticker on your vacuum lifting device. Please contact us as expert for the respective accident prevention (UVV) inspection.

#### Spare Parts:

- Only original AERO-LIFT parts may be installed.
- We recommend storing spare parts for the suction plates (seals).
- Only authorized personnel may replace spare parts.
- Only a specialist may carry out work on pneumatics and vacuum technology.

#### DANGER!



#### Electric voltage!

May cause injury resulting in death, burns and property damage.

- ✓ Before carrying out any service or cleaning work on the lifting device, in particular the warning device, switch off the main switch and disconnect the current supply.
- ✓ A qualified electrician may only carry out maintenance work on the electrical system.
- ✓ Regular visual inspection of the power lines for external damage.

## 8.2 Inspection and Maintenance Manual

Test period	Test scope	Test person	Maintenance instructions
Before the first commissioning	Visual and functional inspection	Cp <sup>1</sup>	Check for visible defects and malfunctions.
If required <sup>3</sup>	Visual and functional inspection of vacuum generator. Check for defective bearings, worn clutch, stuck rotor slides.	Cp <sup>1</sup>	If necessary, compare the switch of the red/green lamps with the vacuum gauge, the siren must sound at the same time as the switch to "red", or the display value of the control vacuum gauge must be < 60%. Check the maximum value fluctuations of the vacuum gauge.  Rotor slider: see separate
			operating instructions
Daily	Visual and functional inspection	Qp <sup>2</sup>	Suction/release function
	(this includes e.g. deformations, cracks, fractures, wear), vacuum valve		
Daily	Visual inspection and vacuum hose for damage	Qp <sup>2</sup>	Tighten hose clamps if necessary.
Daily	Suction plate, seal (cracks, fractures, wear)	Cp <sup>1</sup>	Replace if defective
Weekly to monthly <sup>4</sup> and if water is detected in the water separator!	Functional test of vacuum filter and pre-filter, also water separator	Cp <sup>1</sup>	Blow out the filter with compressed air or replace it depending on its condition.
			As soon as there is water in the water separator, remove it using the drain plug. Then retighten the screw and allow the vacuum pump to run for approx. 10 minutes.
Monthly	Visual inspections of energy chains and power lines	Cp <sup>1</sup>	
At least every six months	Function test	Qp <sup>2</sup>	
	corrosion protection		
At least yearly	Visual and functional inspection	Cp <sup>1</sup>	
More often if operation under damaging influences (e.g. heat)			
Load lift	daily	Cp <sup>1</sup>	Piston mechanism
Empty stroke			Valve technology

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Yearly	Inspection sticker	Cp <sup>1</sup>	Inspection in accordance with DGUV 109-017 Request AERO-LIFT expert
Testing according to  - extraordinary events (e.g. accidents, changes to the machine, natural phenomena, long periods of non-use)  - Repair	Depending on the type and extent of the damage, the event or the repair.	Cp <sup>1</sup>	

<sup>&</sup>lt;sup>1.</sup>Competent <u>person</u>: has sufficient knowledge in the field of vacuum lifters due to his professional training and experience and is familiar with the relevant national occupational safety regulations, accident prevention regulations and generally recognized rules of technology (e.g. BG rules, DIN standards) to the extent that he can assess the safe working condition of vacuum lifters.

<sup>&</sup>lt;sup>2.</sup> Qualified person: has the necessary specialist knowledge to test vacuum lifters due to their professional training, professional experience and recent professional activity.

<sup>&</sup>lt;sup>3.</sup> See notes on inspection intervals in other applicable documents.

<sup>&</sup>lt;sup>4.</sup> Inspection intervals depend on the degree of air pollution and the environment. If you work with wood, for example, the filters should be checked every week and cleaned if necessary.

#### 8.3 Replacement of Seal on a suction plate

"Install the replacement seal that corresponds with your model of device!"

#### Procedures for suction plates with tightening straps

- 1. Loose the tightening strap at the suction plate my means of the screw and move it upwards.
- 2. Remove the old seal from the aluminum base plate.
- 3. Install new seal onto the base plate.
- 4. Install tightening strap and tighten the screw again.
- 5. After completing these services, always check the seal for leakage! (according to chapter "Checking for leakage")

#### Procedures for suction plates with screws fixed to the base plate

- 1. Unscrew the defective seal from the base plate.
- 2. Tighten new seal onto the base plate. If an additional seal is required, make sure to place it exactly into the respective groove before screwing.
- 3. After completing these services, always check the seal for leakage! (according to chapter "Checking for leakage")

#### Procedures for suction plates with C-track clamp or specific grooves

- 1. Remove the defective seal from the C-track.
- 2. Place new seal into the C-track. Make sure not to damage the seal.
- 3. Make sure that the back of the seal is in complete contact with the C-track bottom Always check!
- 4. After completing these services, always check the seal for leakage! (according to chapter "Checking for leakage")

#### Procedures for suction plates with lock nuts

- 1. Loosen the hose clamp on the suction plate and pull off the vacuum hose.
- 2. Loosen both lock nuts and unscrew the M8x60 fastening screw (screw with spring).
- 3. Unscrew the connection nipple from the old seal and screw it back onto the new suction plate with sealant.
- 4. Connect the springs and lock nut to the screws on the holder with the suction plate.
- 5. When the screw is screwed approx. 8 mm into the thread of the suction plate, tighten the lock nut.
- 6. Place the hose on the connection nipple and secure it with the hose clamp.

#### NOTICE

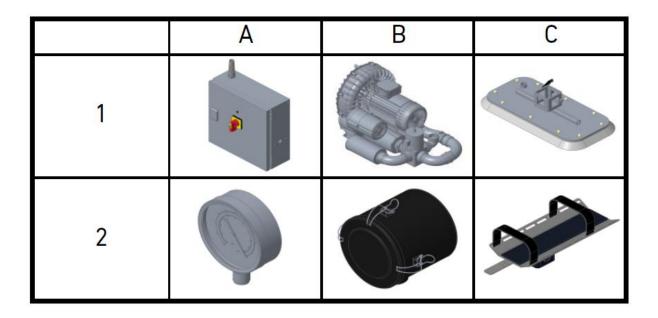
After completing these services, **always** check the seal for leakage! (See chapter "Checking for leaks").

## 9 Spare Parts List

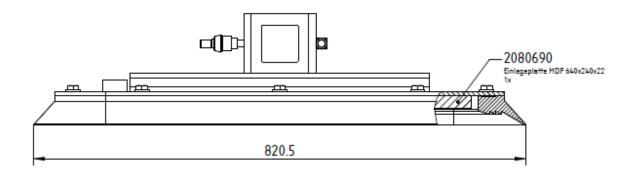
Designation / Type:	Produkt No.:	Comment:	Picture
Warning system/no. on wiring diagram	4028371 4028372	For spare parts number of electrical components see appendix: Circuit diagram	1A
Blower	2010254	SV300/3 See appendix: Instruction blower	1B
Suction plates completly	-	Suction plate replacement parts see table on next page	1C
Vacuum gauge Ø 100 mm	2020711		2A
Vacuum filter metal housing 1 ½" Filter insert for vakuumfilter ½" & ¾"	2020460 2020463		2B
Vacuum hose	2020159	Inner-Ø 32 mm	
Cable drum	2049005	OPTIONAL	
Crane holding bag	3080123	OPTIONAL	2C

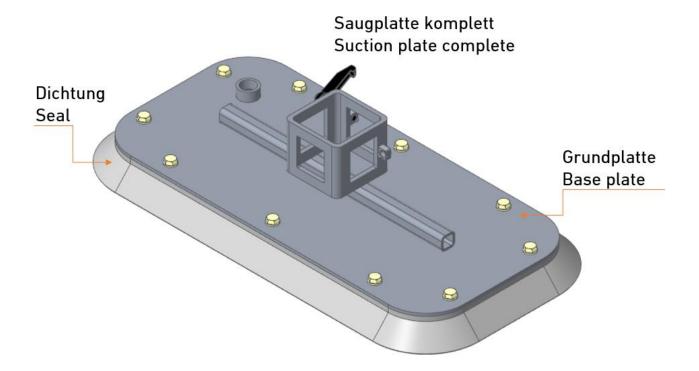
We recommend using only original parts from AERO-LIFT, the configuration, quality and functional characteristics of which are guaranteed.

The following images may deviate from the original component in shape and color.



Bezeichnung Designation	Artikelnummer Item number	Bild Picture	Dichtung Seal	Grundplatte Base plate	Einlegeplatte MDF Insert plate
Saugplatte links Suction plate left 420x820	3027238		2031482	3025262	×
Saugplatte rechts Suction plate right 420x820	3027239		2031482	3025263	×
Saugplatte links Suction plate left 420x820	3027240		2031482	3025262	2080690
Saugplatte rechts Suction plate right 420x820	3027241		2031482	3025263	2080690
Saugplatte mittig Suction plate middle 420x820	3025191		2031482	3025220	×
Saugplatte mittig Suction plate middle 420x820	3025250		2031482	3025220	2080690





## 10 Warranty

The manufacturer is liable for all defects of the vacuum lifting device resulting from a **verifiable** manufacturing error. The warranty includes the rectification of the defect or the replacement of defective parts. Our terms of sales are applicable. **All defective original parts shall be sent to us free of carriage charges**.

The period of warranty is <u>one year (except from wear parts)</u> with respect to a normal one-shift operation. The period of warranty is reduced for all operations other than the normal one-shift operation.

The warranty period starts with the delivery of the vacuum lifting device.

We are not liable for rectification and replacements costs, which were caused without our explicit, written agreement.

## 11 EU - Declaration of Conformity

#### according to EU directives

- EC Machinery Directive 2006/42/EG, Annex II A of 17th May 2006
- Low Voltage Directive 2014/35/EU of 26th February 2014
- EMC Directive 2014/30/EU of 26th February 2014

We hereby declare that the design, construction and model of the machine stated below in the version provided by our company is in compliance

with the basic safety and health requirements of the machinery directive 2006/42/EG, Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

All unauthorized modifications of the machine render this declaration invalid!

Manufacturer/representative: AERO-LIFT Vakuumtechnik GmbH

Binsdorf Turmstraße 1

D - 72351 Geislingen (Germany)

Machine description:

Machine/system type: Vacuum Lifting Device

Model designation: AERO PORO

Machine No.: Year of construction: -

#### Applied harmonized standards, in particular:

• EN ISO 12100: 2010	Safety of Machinery
• EN 61000-6-2: 2006-03	Electromagnetic Compatibility - Noise immunity
● EN 61000-6-4: 2011-09	Electromagnetic Compatibility - Noise emission
● EN 842: 2009-01	Visual Danger Signals
● EN 1005 – 2: 2009-05	Manual Handling of Machinery and Component Parts of Machinery
● EN 60 204 – 1: 2019-06	Electrical Equipment of Machines
• EN 13155	Cranes - Non-fixed Load Lifting Attachments

#### Applied technical standards and specifications:

<ul> <li>DGUV 109-017 (Section 2.8)</li> </ul>	Load lifting attachments used in
(Occupational Safety Regulations)	lifting equipment

Representative technical documentation: AERO-LIFT Vakuumtechnik GmbH, Turmstr. 1, 72351 Geislingen, Germany

Place/Date:

Geislingen-Binsdorf,

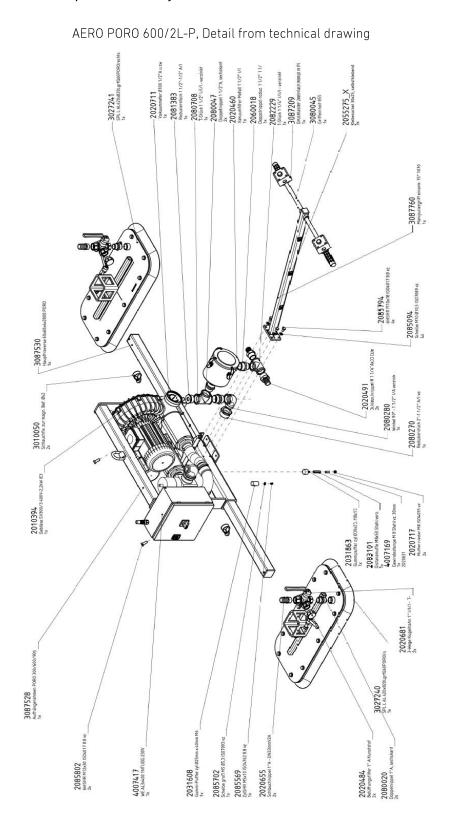
Signer:

Tobias Pauli Managing Director / CEO

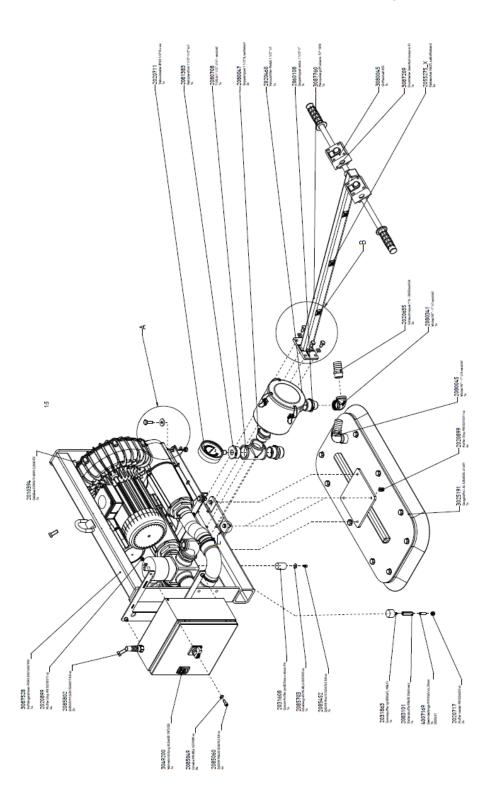
□ Original Declaration of Conformity□ Translation Declaration of Conformity

## 12 Annex

## Illustration for explanation only



AERO PORO 300/1L-P, Detail from technical drawing



General drawing to illustrate the device structure. Dimensions of beams and suction plates as well as their number can vary and can be found in the offer / order.

## Blower SV 300/3

Gebläse SV 300

# BETRIEBSANLEITUNG Blower SV 300 OPERATING INSTRUCTIONS

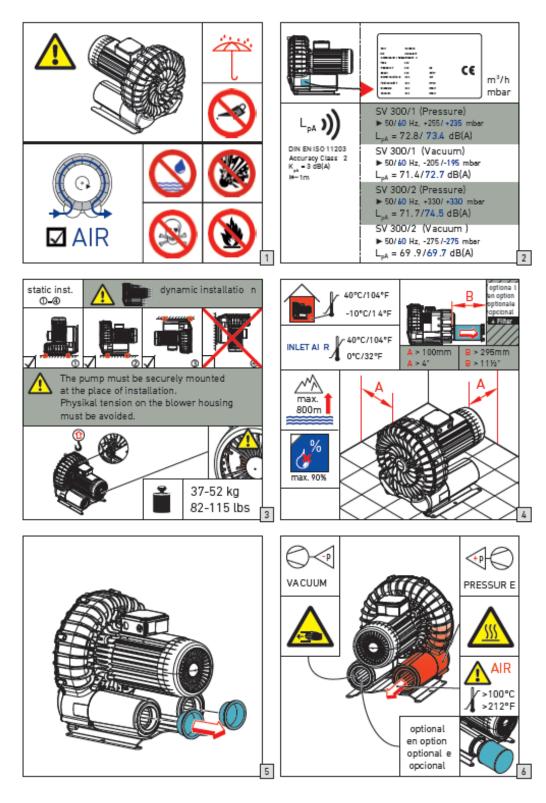


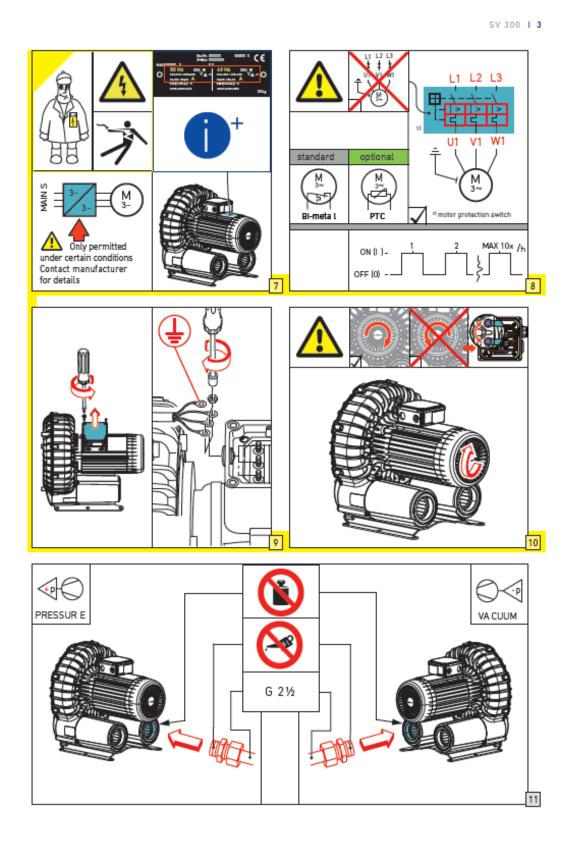


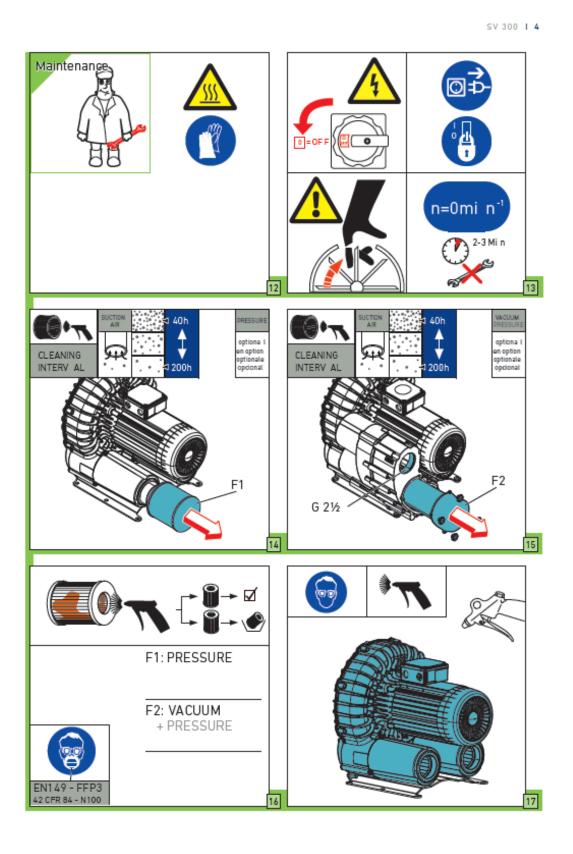
moving limits

Mehr Informationen unter www.aere-lift.de

#### 2 | SV 300



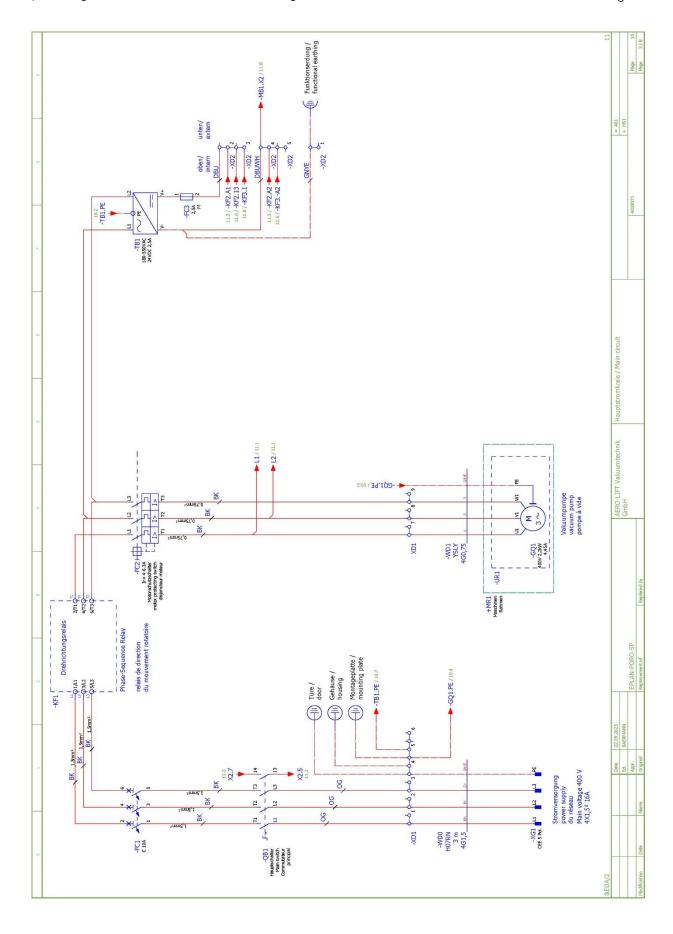


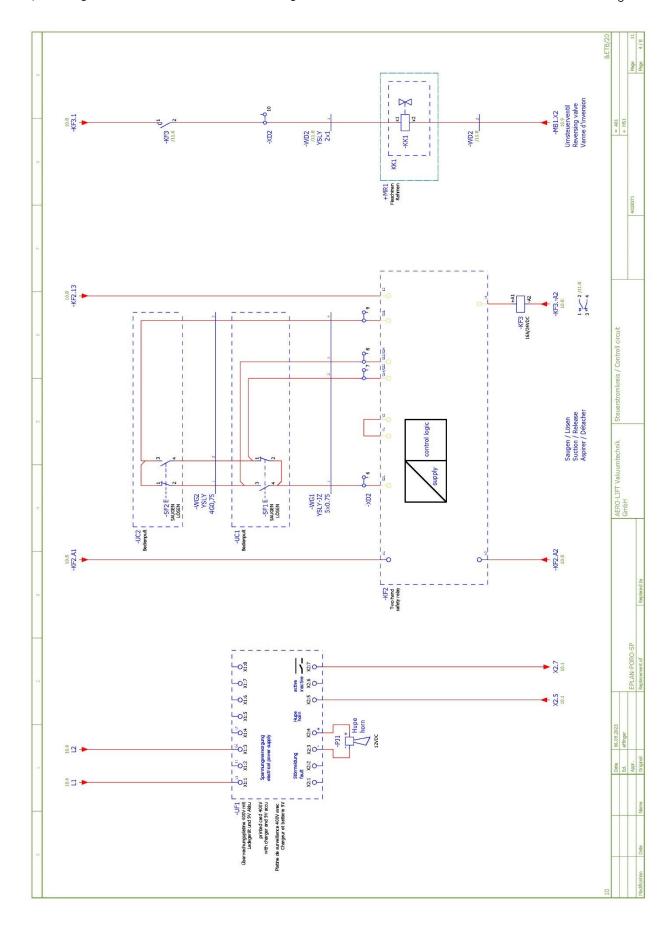


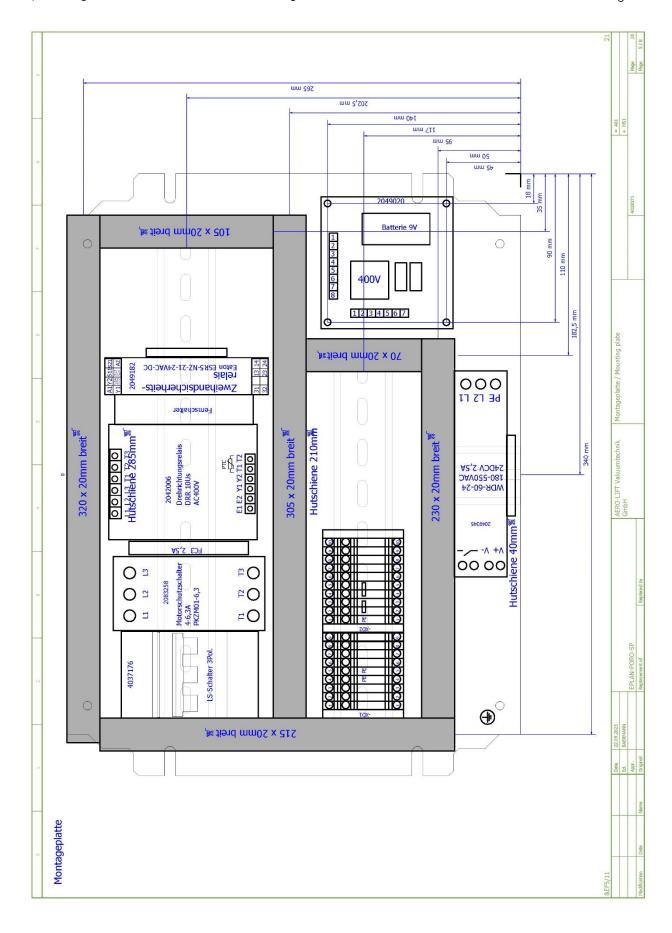
## Connecting diagram

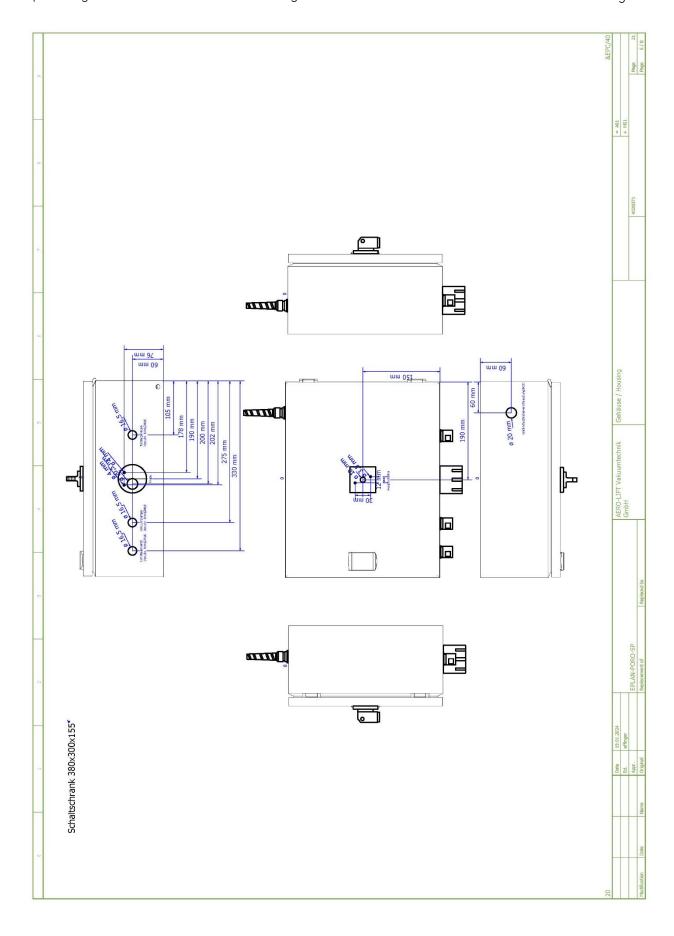
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AERO-LIFT Vakuumtechnik GmbH Turmstrasse 1, 72351 Geislingen Tel: + 49 ( 0 ) 7428-94514-38 Fax: + 49 ( 0 ) 7428-94514-38	k GmbH slingen 4-0 14-38		
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<u>Usage:</u> <u>Verwendung:</u>		<u>Color</u> <u>Drahtfarbe:</u>	Color code according IEC 60757	Wire cross section Querschnitt
Supply voltage / Betriebsspannung:	400V 50/60Hz	Black / Schwarz	BK	1,5/0,75mm²
Protective earth / Schutzleiter (PE):		Green-yellow / Grün-gelb	GNYE	Supply line cross-section / Zuleitungsquerschnitt
Control voltage / Steuerspannung (N):	230V 50/60Hz	Light blue / Hellblau	BU	0,75mm²
Control voltage / Steuerspannung (L):	230V 50/60Hz	Red / Rot	RD	0,75mm²
Control voltage / Steuerspannung (L+):	<=24VDC	Dark blue / Dunkelblau	(D)BU	0,75mm²
Control voltage / Steuerspannung (L-):	<=24VDC	Dark blue White / Dunkelblau-Weiss	(D)BUWH	0,75mm²
External voltage / Fremdspannung Pre main switch / vor dem Hauptschalter UPS circuit / USV Stromkreis		Orange / Orange	00	1,5mm²
Technical documents / Techn. Unterlagen: Circuit diagram / Stromlaufplan BOM / Stückliste			Wiring / Verdrahtung: <=0,75mm² H05V-K > 0,75mm² H07V-K	The indicated cross-section is to be applied, if no further details are given in the plan. Der angegebe Querschnitt ist anzuwenden, sofern im Plan keine weitern Angaben gegeben sind.
Regulations / Vorschriften: In accordance with DIN EN 60204 / VDE 0113 In Anlehnung an EN 60204 / VDE 0113	113	These plans are drawn with the CAE system E-Plan. Changes should only be made with the CAE system using the original parameters. Diese Pläne sind mit dem CAE-System E-Plan gezeichnet. Änderungen sollten nur mit dem CAE-System unter Verwendung der Original Parameter durchgeführt werden.	stem E-Plan. CAE system using E-Plan gezeichnet. ystem unter Verwendung erden.	
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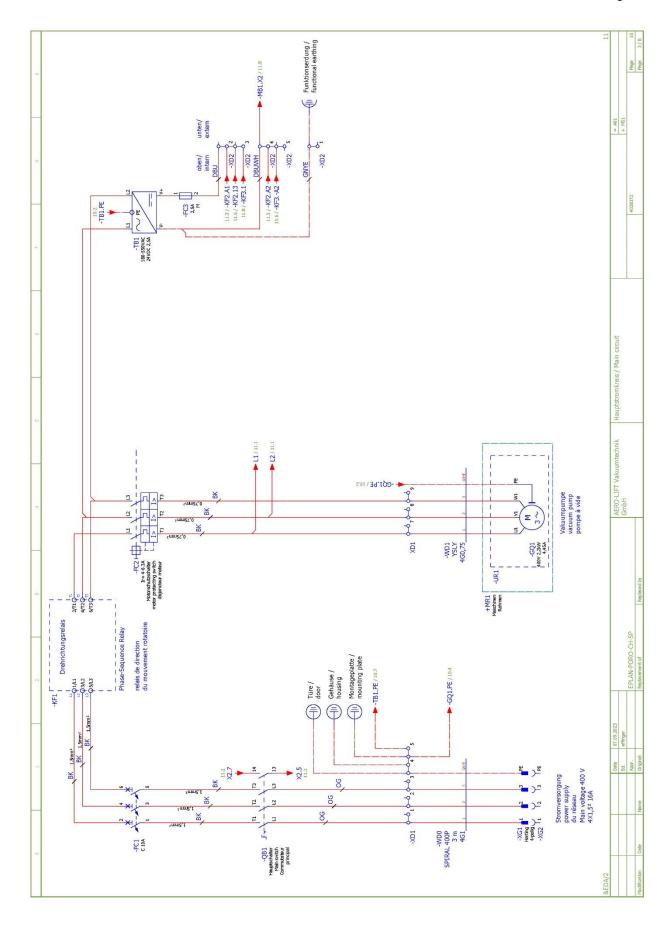


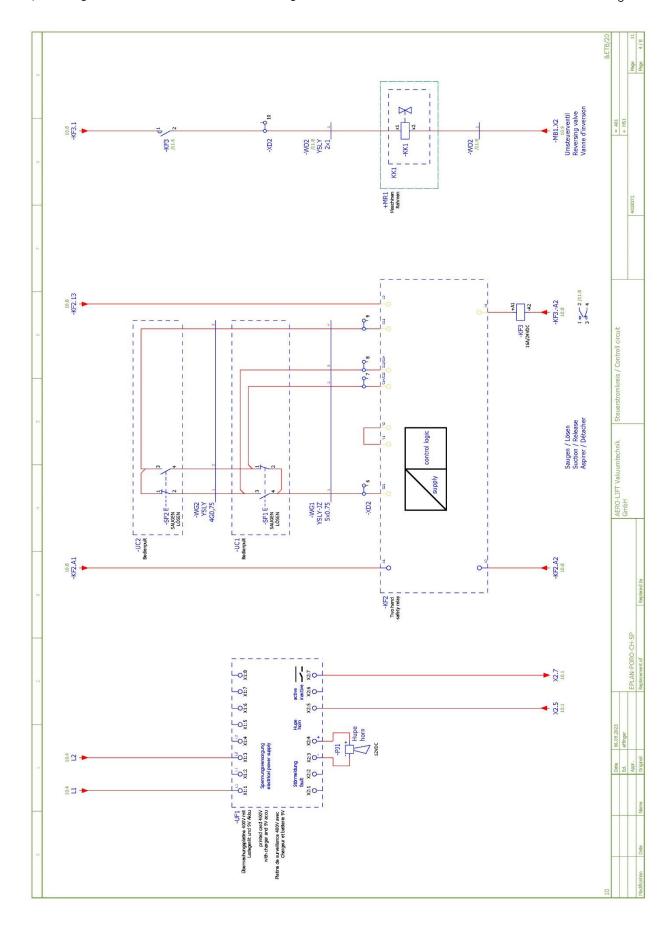
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Bezeichnung Description	Description	380x300x155 KX E-box, with mounting plate Crouit breaker 3pin C10A	Clipfix NS35-5 End clamp	obtor circuit breaker, 4 - 6.3 A	Picrotuse 5x.20 - 2,5x. MI Puse terminal block	DRR10, Phase-Sequence Relay, 3 AC 400 V	Safety two-hand relay, 24VDC/AC, 2-channel, 2 enabling paths	ripulse switch 24V DC. 1 NO contact + 1 NC contact 16A/	Siren, electr. 12 V, 100 mA	Power supply 180-550V - 24V, 2,5A	Wring duct 43x20; 215 mm	Wiring duct 43x20; 230 mm	Wring duct 43x20; 320 mm	Wiring duct 43x20; 305 mm	Wring duct 43x20; 70 mm Wring duct 43x20; 105 mm	Or cut boar of for vacuum/mains monitoring 400V	Battery 9V 220mAh	Spacer circuit board	DIN rail NS 35; 40 mm	DIN rail NS 35, 285 mm	M rail NS 35; 210 mm	Rubber hose cable 4G1.5 with CEE plug	Plastic cable gland with kink protection M20x15	Control cable 4G0,75 YSLY; 2000 mm	Corrugated pipe fitting NW12 - M16	Locknut M16x1,5 plastic	Control cable 261 YSLY; 1500 mm	Locknut M16x1.5 plastic	Control cable 5G0,75 YSLY; 2000 mm	Corrugated pipe fitting NW12 - M16	Lockrut M16x1,5 plastic	Control cable 450,73 TSLT, 1000 mm Conrugated pipe fitting NV12 - M16	Feed-through terminal PTS 2.5-TMIN	Brd cover D-STS 2,5	Clpfix NS35-5 End clamp	Feed-through terminal PTS 2.5-TWIN	Feed-through terminal PTS 2.5-TWIN	Feed-through terminal PTS 2.5-TMIN	Feed-through terminal PTS 2.5-TWIN	Feed-through terminal PTS 2.5-TWIN-PE	Feed-through terminal PTS 2.5-TMIN-PE	Feed-through terminal PTS 2.5-TMIN-PE	Feed-through terminal PTS 2.5-TMIN-PE	Bnd cover D-STS 2,5	Oppix NSSS-S End clamp	eed-organismal PLS 2.3-1 WIN	eed-orough terminal P1S 2.5-1 WIN	Feed-dirough terminal P15 2.5-1 WIN	eed-through terminal PTS 2.5-1 w.i.v	
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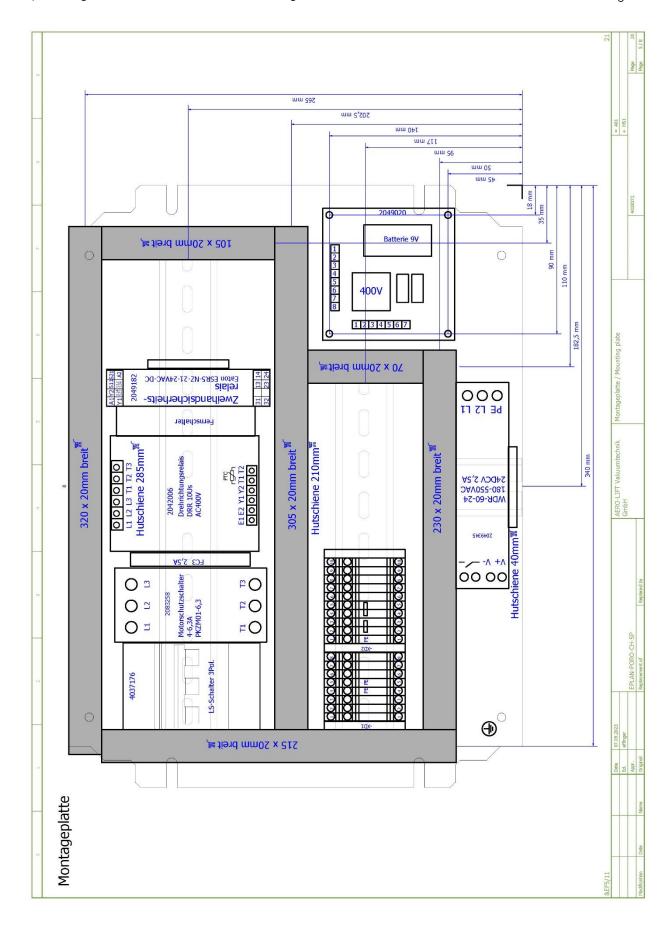
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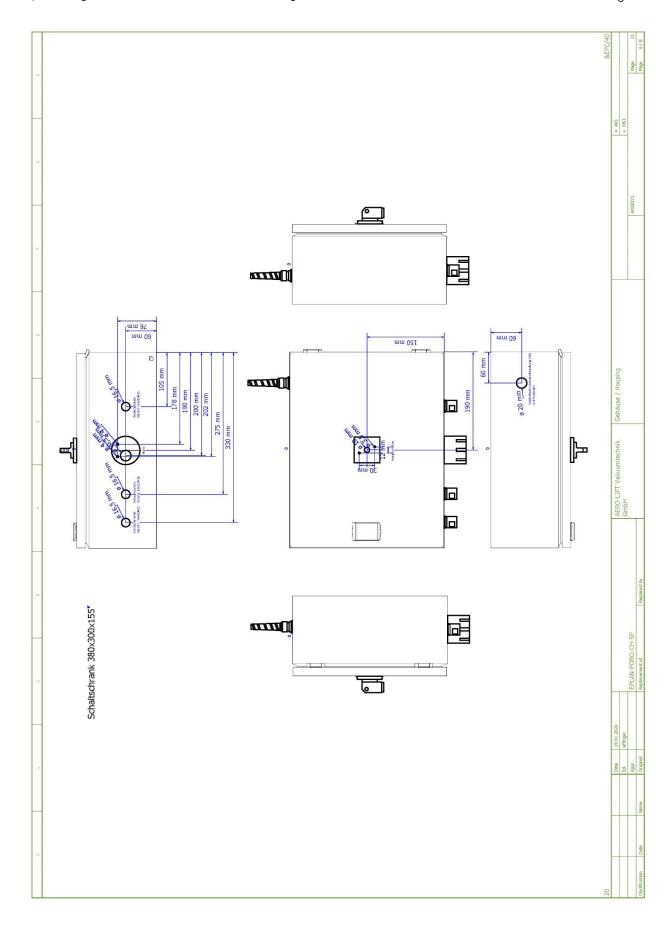
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<u>Usage:</u> Verwendung:		<u>Color</u> <u>Drahtfarbe:</u>	Color code according IEC 60757	Wire cross section Querschnitt
Supply voltage / Betriebsspannung: 400V	2H09/0S	Black / Schwarz	BK	1,5/0,75mm²
Protective earth / Schutzleiter (PE):		Green-yellow / Grün-gelb	GNYE	Supply line cross-section / Zuleitungsquerschnitt
Control voltage / Steuerspannung (N): 230V	2H09/05	Light blue / Hellblau	BU	0,75mm²
Control voltage / Steuerspannung (L): 230V	230V 50/60Hz	Red / Rot	RD	0,75mm²
Control voltage / Steuerspannung (L+):	<=24VDC	Dark blue / Dunkelblau	(D)BU	0,75mm²
Control voltage / Steuerspannung (L-):	<=24VDC	Dark blue White / Dunkelblau-Weiss	(D)BUWH	0,75mm²
External voltage / Fremdspannung Pre main switch / vor dem Hauptschalter UPS circuit / USV Stromkreis		Orange / Orange	<u>90</u>	1,5mm²
Technical documents / Techn. Unterlagen: Circuit diagram / Stromlaufplan BOM / Stückliste			Wiring / Verdrahtung: <=0,75mm² H05V-K > 0,75mm² H07V-K	The indicated cross-section is to be applied, if no further details are given in the plan. Der angegebe Querschnitt ist anzuwenden, sofern im Plan keine weitern Angaben gegeben sind.
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District board board for waternytheris monitoring 4-00V   District board 25, 450 mm   | Winny dict 1820; 23 mm   Winny dict 1820; 53 mm   Winny dict 1820; 53 mm   Winny dict 1820; 53 mm   Winny dict 1820; 50 mm   Divided for vacarbased of a generatoria for security based of a generatoria for security for se   | Winning dated \$2.000 Stanman   | Winny dated \$40.00; 500 mm   Winny dated \$4 | Winny dick 18-20; 530 mm   Gratic beed for vacata/prate monitoring 400V   Bettery 9V, 250 mb   Spent catch beed for vacata/prate monitoring 400V   Spent catch 600 mm   Divin in 18-3; 200 mm   Divin in 18-3; 200 mm   Spent catch 600 mm bet protection Midel 5   Locket Wilds 1, Spell 600 mm   Convid catch 600, 35 VSM; 2000 mm   Redefences harmal Pit? 2.5 VMM    Redefences harmal Pit 2.5 VMM    R | Winnig dated \$2.00; 500 mm   Winnig dated \$ | Winning dated \$4.02(); 5.50 mm   Winning dated \$5.50 mm   Winning \$5.50 mm   Winning dated \$5.50 mm   Win | Winny dict 14200; S20 mm   Divide Indict 14200; Divide Indict | Winny dick 1820; S20 mm   Out for lib 53; S20 mm   Div rail 52; S2 | 1 Winning dated 24.02.00 mm 1 Grout bowed for woutun/horbes monitoring 460V 1 Bellang 9V 22.00-kb. 1 Bellang 9V 22.00-kb. 1 Dit Not all 55.30 mm 2 Dit Not all 55.30 mm 2 Dit Not all 55.30 mm 3 Dit Not all 50.30 mm 3 Dit Not all | 1 Winnig date 18-20; 530 mm  1 Grad board for woutunghers monitoring 400V  1 Better 9V 20m4A  2 Speed careab board  3 Diff real 18-3; 40 mm  1 Diff real 18-3; 230 mm  1 Diff real 18-3; 230 mm  1 Diff real 18-3; 230 mm  2 Diff real 18-3; 230 mm  2 Diff real 18-3; 230 mm  2 Diff real 18-3; 230 mm  3 Diff real 18-3; 230 mm  4 Speed careab board with NH protection Miscal 2  1 Diff real 25-3; 230 mm  5 Diff real 25-3; 230 mm  6 Diff real 25-3; 230 mm  7 Diff real 25-3; 230 mm  8 Diff real 25-3; 230 mm  1 Diff real 25-3; 230 mm  1 Convegted to the 18-3; 1900 mm  1 Convegted to the 15-9; 1900 mm  2 Convegted to the 15-9; 1900 mm  1 Convegted to the 15-9; 1900 mm  2 Convegted to the 15-9; 1900 mm  3 Convegted to the 15-9; 1900 mm  4 Diff real 25-9; 1900 mm  5 Convegted to the 15-9; 1900 mm  6 Convegted to the 15-9; 1900 mm  7 Convegted to the 15-9; 1900 mm  8 Diff real 25-9; 1900 mm  9 Diff real 25-9; 1900 mm  1 Diff real 25-9; 1900 mm  2 Diff real 25-9; 1900 mm  3 Diff real 25-9; 1900 mm  4 Diff real 25-9; 1900 mm  5 Diff real 25-9; 1900 mm  6 Diff real 25-9; 1900 mm  7 Diff real 25-9; 1900 mm  8 Diff real 25-9; 1900 mm  9 Diff real 25-9; 1900 mm  1 Diff real 25-9; | Winny dick 1920; S20 mm   Out been for vext. Inherit 600V   Settlery 9V 220 mb/h   Settlery 9V 220 mb/h   Div not life 53; 40 mm   Div not life 53; 40 mm   Div not life 53; 40 mm   Sprint acide 460 Pet 51, 200 mm   Sprint acide 460 Pet 51, 200 mm   Sprint acide 460 Pet 51, 200 mm   Control field 5 pet firm (Will 2 - High 5 pet firm) (Will 2 - High 6 pet firm) (Will 2 - Hig | 1 Winnig date 14202; 520 mm 1 Great board for waterniyhens inniheting 400V 1 Belling ye Zohnski 1 District board for waterniyhens inniheting 400V 1 Belling ye Zohnski 1 District board for waterniyhens inniheting 400V 1 Belling ye Zohnski 1 District board for waterniyhens inniheting 400V 1 District board for waterniyhens inniheting 400V 1 District board board 1 District board board 1 District board board 1 Spired daske 40P = 46(1)/1000-2000 1 Spired daske 40P = 46(1)/1000-2000 1 Spired daske 40P = 46(1)/1000-2000 1 Spired daske 40P = 78(1)/1000 mm 1 Convegate of the firming WHI2 = Mid Convegate for the firming WHI2 = Mid Convegate for the firming WHI2 = Mid Convegate for the firming WHI2 = Mid Convegate 400, 15 15 12, 2000 mm 1 Convegate for the firming WHI2 = Mid Convegate 400, 15 15 12, 25 TWIRR 1 Read-froatigh terming HTI2 2, 5 TWIRR 1 Read | Winny duck about 200 mm   Winny duck Winny duck 200 mm   Winny duc | Winny dick 18-20; 23 mm   Winny dick 18-20; 23 mm   Winny dick 18-20; 15 mm   Winny dick 18-20; 16 mm   Winny dick 18-20 | 1 Winnig date 14202; 520 mm 1 Bellery 97 Zohnkh 1 Dill Not life 53; 520 mm 1 Dill Not life 54; 520 mm 1 Convege date 400; 57547; 500 mm 1 Redefencial human life 15; 54400; 54400 mm 1 Redefencial human life 15; 54400 mm   | Winny duck about 200 mm   Grut board of revision mm or control board of a speer create board of a speer create board of a principle about 200 mm   Divini in 15 55; doi: mm   Divini in 15 | Winny dick 18-20; 23 mm   Winny dick 18-20; 23 mm   Winny dick 18-20; 25 mm   Winny dick 18-20; 15 mm   Grant Wild 18-20; 15 mm   Grant Good Goods 100; 15 mm   Grant Goods Goods 100; 15 mm   Goods 100; 15 mm   Goods 100; 15 mm   Goods 100; 15 mm   Goods 100; 15  | 1 Winnig dated \$202; \$30 mm  1 On the board for waternighter in order to the board for waternighter in order board \$20,000 mm  1 Order board \$20,000 mm  1 Corruptor by \$20,000 mm  1 Corruptor by \$20,000 mm  1 Corruptor by \$20,000 mm  1 Corruptor \$20,000 mm  1 Cor | Winny dick 1820; 520 mm   Winny dick 1820; 520 mm   Winny dick 1820; 520 mm   Winny dick 1820; 500 mm   Winny dick 1820; 500 mm   Winny dick 1820; 510 mm   Out lot lot 52; 520 mm   Div nil 1825; 520 mm    | 1 Winning dated #2.000 Stan manual winning |
Winny dict 14202; 520 mm   Grade look of the vicent look of a green create look of a gre | Winny dick 18-20; 23 mm   Winny dick 18-20; 23 mm   Winny dick 18-20; 25 mm   Winny dick 18-20; 25 mm   Winny dick 18-20; 25 mm   Winny dick 18-20; 105 mm   Winny dick 18-20; 105 mm   Guichbord for viocura/mahra monitarity 400V   Status 19-20 mm/h   Status 19-20 mm/h   Status 19-20 mm/h   Status 19-20 mm/h   Dilly call 18-35; 26 mm   Winny dick 18-20 mm/h   Winner 20 mm/h   Control 2 | 1 Winning dated \$2.000 mm. 1 Convert bit dat \$2.000 mm. 1 Convert of other \$2.000 mm. 1 Convert other \$2.000 mm.  | Winny dict 14200; 520 mm   Winny dict 14200; 520 mm   Winny dict 14200; 520 mm   Winny dict 14200; 500 mm   Winny dict 14200; 500 mm   Winny dict 14200; 100 mm   Winny dict 15200; 100 mm   Winny dict 152000; 100 mm   Winny dict 1520000; 100 mm   Winny dict 152000; 100 mm   Winny dict 15 | Winny dick 18-20; 23.0 mm   Winny dick 18-20; 25.0 mm   Winny dick 18-20; 25.0 mm   Winny dick 18-20; 25.0 mm   Winny dick 18-20; 15.0 mm   Winny dick 18-20; 15.0 mm   Guilboard for vocum/mahra monitarity 400V   States 9V 22.0 mm   States 9V 22.0 mm   States 9V 22.0 mm   Div Not all 55; 32.0 mm   Div Not all 55; 32.0 mm   Div Not all 55; 32.0 mm   Winny dick 18-20; 32.0 mm   | 1 Winning dated \$2.00; 5.00 mm 1 Great board for vaccural/marks monitoring \$4.00 v 1 Sellane 99. 2.00 ms/h 1 District board for vaccural/marks monitoring \$4.00 v 1 District cable goard only lark protection Miscis Cable goard only lark \$4.00 v 1 Conved only 2.00 v 1 Locard Cable Sci Pract, \$1.00 v 2 Locard Cable Sci Pract, \$1.00 v 2 Locard Cable Sci Pract, \$1.00 v 2 Locard Cable Sci Pract, \$1.00 v 3 Locard Cable Sci Pract, \$1.0 | Winnig dated \$400; \$30 mm  | Winny dick 18-20; 23 mm   Winny dick 18-20; 23 mm   Winny dick 18-20; 25 mm   Winny dick 18-20; 25 mm   Winny dick 18-20; 105 mm   Dour left 18-20; 105 mm   Dour left 18-20; 25 mm   Dour left 18-20; 25 mm   Dour left 18-20; 25 mm   White color of the color of | Winny duck 1820; 320 mm   Winny duck 1820; 320 mm   Winny duck 1820; 320 mm   Winny duck 1820; 100 mm   Winny duck 1820; | 1 Winnig dated \$2.00; 500 mm 1 Great board of the vacual prices in monthler by 400V 1 Return 9V 2.00 mM 1 Div not life \$3.00 mm 1 | Winny dick 18-20; 23 mm   Winny dick 18-20; 23 mm   Winny dick 18-20; 25 mm   Winny dick 18-20; 25 mm   Winny dick 18-20; 15 mm   Day tell 18-20; 25 mm   Weds tell 18-20; 25 mm   Day tel | 1 Wheng duck 18-20; 250 mm 1 Wheng duck 18-20; 250 mm 1 Wheng duck 18-20; 150 mm 1 Wheng duck 18-20; 150 mm 1 O'Cut beed for rectary frame monitoring 400/ 1 Setter 9 V J Zom M, 1 Setter 9 V Zom M, 1 Di Nor lei 55; 250 mm 1 Di Nor lei 55; 250 mm 1 Di Nor lei 65; 25; 20 mm 1 Di Nor lei 65; 25; 20 mm 1 Setter 6 Me Ped 19-20; 150 mm 1 Setter 6 Me Ped 19-20; 250 mm 1 Setter 18-20; 250 mm 1 Connet either 6 Me Ped 25; 250 mm 1 Connet either 6 Me Ped | 1 Winnig date 14202; 520 mm 1 Winnig date 14202; 520 mm 1 Winnig date 14202; 530 mm 1 Belline 197 220-lah 1 District board for vacual/prates monitoring 460V 1 District board for vacual/prates monitoring 460V 1 District board for vacual/prates monitoring 1400 mm of 120 mm of 1 | 1 Winng diet 1820; 520 mm 1 Winng diet 1820; 520 mm 1 Winng diet 1820; 520 mm 1 Winng diet 1820; 500 mm 1 Winng diet 1820; 500 mm 1 Grute beed for voxum/mater monitoring 400V 1 Either 9V 200 mb 1 Either 9V 200 mb 1 Ditt nil 182; 400 mm 1 Ditt nil 182; 200 mm   | 1 Wing date \$200, \$200 mm  1 Wing date \$200, \$100 mm  1 Out labored for vacuary/mars monitaring 400V  4 Speer created board  1 Speer created board  1 Ditte rate \$200 mm  1 Ditte rate \$200 mm  1 Ditte rate \$200 mm  1 Speer create board  1 Contrade board with brisk protection Miles 1.5  1 Contrade board with WIN12-Nisk of Contrade board  1 Contrade board with \$200 mm  1 Contrade board with \$200 mm  1 Contrade board with \$200 mm  
   | 1 Winnig date 14200; 320 mm 1 Winnig date 14200; 320 mm 1 Winnig date 14200; 320 mm 1 Winnig date 14200; 100 mm 1 Great beard in vacantinants mentioning 4001 1 Divinit 165, 320 mm 1 Divinit 165, 320 mm 1 Divinit 165, 320 mm 1 Great beard of Pedicit (1000-2000) 1 Fleat cable giend with birk protection 14541.5 1 Locative Medics J. Selection 1400,155 1 Control of cable 400, 35 1534, 2000 mm   | 1 Winnig date 14202; 520 mm 1 Beller 99; 220 nds, and   | 1 Wing dict 3200, 230 mm 1 Wing dict 3200, 230 mm 1 Wing dict 3200, 230 mm 1 Wing dict 3200, 100 mm 1 Wing dict 3200, 100 mm 1 Out beed for vector/press monitoring 400V 1 Bettery 9V 220 mm 1 Day real 163, 254 mm 1 Day real 163, 254 mm 1 Sprint cash and P 40, 110, 100 2000 1 Sprint cash and P 40, 110, 100 2000 1 Sprint cash and P 40, 110, 100 2000 1 Sprint cash and P 40, 110, 100 2000 1 Sprint cash and P 40, 110, 100 2000 1 Sprint cash and P 40, 110, 100 2000 1 Reduction Y 40, 100 F  | 1 Winng date 1820; 320 mm 1 Winng date 1820; 320 mm 1 Winng date 1820; 320 mm 1 Winng date 1820; 100 mm 1 Winng date 1820; 100 mm 1 Great board for securations mentating 400/ 1 Better 97 2/20 mm 1 Better 97 2/20 mm 1 Dit Not 18 53; 420 mm 1 Dit Not 18 54; 420 mm 1 Dit Not 18 54; 420 mm 1 Dit Not 18 55; 420 mm 1 Dit Not 18 54; 420 mm 1 Dit Not 18 55; 420 mm 1 Dit N | 1 Winnig date 4200; 330 mm 1 Winnig date 4200; 330 mm 1 Winnig date 4200; 350 mm 1 Winnig date 4200; 350 mm 1 Winnig date 4200; 350 mm 1 Grada board for wacunfrontes monitoring 460V 1 Stellar 950 mm 1 District Association of the special of the sp | 1 Winnig dated \$202; \$30 mm 1 Winnig dated \$202; \$50 mm 1 Better \$91, \$20 mb, \$10 mm 1 Divini with \$25, \$20 mm 2 Divini with \$25, \$20 mm 3 Divini with \$25, \$20 mm | 1 Wing diet 24.00; 53.0mm 1 Wing diet 24.00; 53.0mm 1 Wing diet 24.00; 53.0mm 1 Wing diet 24.00; 50.0mm 1 Wing diet 24.00; 50.0mm 2 Wing diet 24.00; 50.0mm 2 Gester 99 2.2mm/h 4 Speer certack beweit 1 Diet voll 16.35; 40.0mm 1 Diet voll 18.35; 32.0mm 1 Diet voll 18.35; 32.0mm 1 Speer diet 28.00 auch wie kip protekten Misst. 5 1 Reinte cale die Ped 11.000 2000  | 1 Wing date 43-20; 350 mm 1 Wing date 43-20; 350 mm 1 Wing date 43-20; 350 mm 1 Wing date 43-20; 150 mm 1 Wing date 43-20; 150 mm 1 Grad board in vacantylmats monitoring 400 i 1 Before 99 2,20 mm 1 Before 91 2,20 mm 1 Div nil 16 53, 250 mm 1 Div nil 16 53, 250 mm 1 Div nil 16 53, 250 mm 1 Sprint date 40 P 45,1100 00000  
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500 mm<br>1 Weng date (43.0% 105 mm  | 1 Wing duck 48.00; 320 mm<br>1 Wing duck 48.00; 506 mm<br>1 Wing duck 48.00; 506 mm<br>1 Wing duck 48.00; 506 mm                              |        | 1 1 1              |                    |                   | 1                   | 1 1                |         |                    | -                  | 1                     | 1            | 1    |                      |                    |                      |     | •                   |                    |                      |                    | •                  | -  | 1                 | 1                  |                    |                 |           |                   |                   | 1 Power supply 180-550V - 24V, 2,5A<br>1 Wiring duck 43x20; 215 mm | 1 Power supply 180-550V - 24V, 2,5A<br>1 Wiring duck 43x20; 215 rm | 1 Rower supply 180-550V - 24V, 2,5A<br>1 Wiring duct 450.20; 215 mm | 1 Power apply 180-550V - 24V, 2,5A<br>1 Wiring duct 436.20; 215 mm | 1 Powe suppl. 195 5507 - 247, 2,54 1 Wing dat 4:220, 215 rm       | 1 Point supply 105 550 v. 24V, 2,SA<br>1 Whitey duck 42-20, 215 rm      | 1 From single 7, 24 C. 2 | 1 Petro sustra 2008,550W<br>1 Prove supply (59:550V - 24V, 2,54,<br>1 Wring duck 92:00, 215 rm   | 1 When warth 2004 5,500V 1 Prove supply 109 550V - 24V, 2,54 1 Wing date 49.20, 215 mm   | 1 Provine supply 180 ASS/2000<br>1 Provine supply 180 ASS/2007 - 2047 _ 2.5A<br>1 Wing date 48-200, 215 mm | 1 Phan walken 12 Duk JSWV 1 Phan walken 12 Duk JSWV 1 Phan walken 20 Duk JSWV 1 Phan walken 20 Duk JSWV 1 Wangal dick* 8220 Dux mm | 1 Pelm winth Spir 12 20x 5,50V<br>1 Pelm 10 10 10 10 10 10 10 10 10 10 10 10 10                        | 1 then metals 3pt 15 20.4 5,50W<br>1 Prove explicit 105 550V - 24V, 2.5A<br>1 Weng duck 4200, 2.5 mm        | 1 Nehn willch 3pt 15 20A.5,50V<br>1 Power supply 180-550V - 2AV, 2.5A<br>1 Wiring duck 4920y, 215 mm                                       | 1 Ante, eee 7.1.4.7, 100 m.m. 1 Petn evil 20, 21.5.0.7.0.7.0.7.0.7.0.7.0.7.0.7.0.7.0.7.0  | 1 Strey, elect 7, 12 V, 100 mA<br>1 Pelan visit pits 15 204.5, 54 NV<br>1 Perun suppl 105-503.4, 2.54.<br>1 Wiring duck 43-20; 215 mm  | 1 Ster, elect 1.2 Y, 100 mA 1 Pen walken 11: 20A.5,50V 1 Pen walken 11: 20A.5,50V 1 Pen walken 11: 20A.5,50V 1 Wing duct 40A.0,50 15 mm   | 1 Stev, elect* 1.2 V, 100 mA<br>1 Plan walking sis 2.2 M, 2.5 W<br>1 Plane suppl 109-550 V, 2.5 A<br>1 Wing duck 58-20 2.15 mm                           | 1 Street, etch. 12 V, 10m AA 1 Service etch. 12 V, 10m AA 1 Pean water part 12 M, 5,50M 1 Pean water place 55 VV, 2,50A 1 Pean water place 55 VV, 2,50A 1 Winny duck 8200, 2,50 mm  
  | 1 Trypus and SVID C. I No create t = 1 NC cortact 164/250 M.C. 1 Structus electr. 1.2 V, 10 m.M. 1 Nehn switch 2ger 15 20 M.S. SWW 1 Nehn switch 2ger 15 20 M.S. SWW 1 Newn switch 20 SV 20 M.S. SWW  |
| 1                       | Winnig duck 1820, 252 mm   | Winnig duck 1450,00 Stimm   Grout board for recurring 4600/   Stellar 9V J. Zhon M.   Better 19 W. Zhon M.   Dit vall 16 53, 40 mm   Dit vall 16 53, 20 mm   Dit vall 16 53, 20 mm   Dit vall 16 53, 20 mm   Stimin cable 460 Per 51, 200 mm   Stimin cable 460 Per 51, 200 mm   Stimin cable 460 Per 51, 200 mm   Stimin cable 460, 25 54, 250 mm   Corrupt of cable 460, 25 540, 250 mm   Redeforcegy terminal 172 25 7 WM   Redeforcegy terminal 172 25 7 WM  | Winnig duck 1450,00 mm   Grad based on the control bas | Winnig duck 1420, 250 mm   Winnig duck 1420, 150 mm   On the life State State State Mm   Winnig duck 1420, 150 mm   On the life State State Mm   Division State Sta        | Winnig duck 14500, 200 mm   Winnig duck 14500, 200 mm   Winnig duck 14500, 200 mm   Winnig duck 14500, 105 mm   Winnig duck 14500, 105 mm   Winnig duck 14500, 105 mm   Grade beard of excurring 400 /   Beart of the vice of vice of the vice of the vice of the vice of the vice of vice of the vice of vi | Winnig duck 1420, 202 mm   Winnig duck 1420, 203 mm   Winnig duck 1420, 203 mm   Winnig duck 1420, 193 mm   Winnig duck 1420, 193 mm   Octation of the State of the Transmission of the State of the Transmission of the State o | White duck 4200, 2500 mm   White duck 4200, 1500 mm   White duck 4500 mm   White duck 4500 mm   White 160, 55, 2500 mm   White cable 4600 mm/s bench from Miss 1, 500 mm   White cable 4600 mm/s bench from Miss 1, 500 mm   White cable 4600 mm/s bench from Miss 1, 500 mm   White cable 4600, 1500 mm/s   White cable 4600, 1500 mm/s | Winng duck 1420, 202 mm   Winng duck 1420, 105 mm   Grad board of recausing with a proceeding of the process of the proce   | Winnig duck 1450,00 mm   Grad beard of rescursion and  | Winny duck 1420, 502 mm   Winny duck 1420, 502 mm   Winny duck 1420, 502 mm   Winny duck 1420, 102 mm   Winny duck 1420, 102 mm   Winny duck 1420, 102 mm   Gout beed for vaccia howed     State y W J Zhinh     Divini Mark 1420, 102 mm   Divini Mark 1520, 102 mm   | When gold at \$200, 250 mm   When gold at \$200, 150 mm   Great board of parameters mentalized \$600/   When gold at \$200, 150 mm   When gold a | Why and duck 4200, 2500 mm   Why and duck 4200, 1500 mm   Why and the 1200, 1500 mm   Why and the 1200 mm   Why and t  | Winnig duck 1420, 25 and min.   | Winnig duck 14 200, 200 mm   Winnig duck 14 200, 200 mm   Winnig duck 14 200, 200 mm   Winnig duck 14 200, 100 mm   Winnig duck 14 200, 100 mm   Winnig duck 14 200, 100 mm   Gracia board on excurring and more and a power activate board on the state of the state o | When gold states are accounted in the wind duck states are accounted bend on the wind bend of the wind be wind bend of the wind be wind bend of the wind be wind be wind be wind be wind be wind the wind bend on which the wind bend of the wind be wind the  | Winnig duck 14200 1500 mm   Winnig duck 14202 1500 mm   Winnig duck 1500 mm   Winnig d  | When gold set \$200,000 mm   | Winnig duck 14200, 2020 mm   Winnig duck 14200, 1020 mm   Winnig duck 12200 mm   Wi | When gold stables about 1   Control stables about 1   Co   | Winny duck 14 2002 200 mm   Winny duck 14 2002 200 mm   Winny duck 14 2002 200 mm   Winny duck 14 2002 100 mm   Octable board for recognition of the process of the proce   | Winnig duck 14200, 2020 mm   Winnig duck 14200, 1020 mm   Winnig duck 15200
mm   | 1  | Winnig duck 1450,00 mm   Winnig duck 1550,00 | When gold states are continued by the thing while the continued  | 1  | When gold states are consistent with a consistent with with with a consistent with with with a consistent with with with a consistent with with a consi | When gold set 2002, 2007 than  | 1  | When gold at 200, 200 mm   When gold at 200, 200 mm   When gold at 200, 100 mm   When gold at 200, 200 mm   When gold at 200 m | When got at 24.00 grammer  
   | 1  | When gold states are consistent with a consist | Whing data 4.200, 2.200 mm   Whing data 4.200 mm   Whing data | 1  | When gold at \$20,000 mm.   | Why duck 4.20,2, 2.20 mm     Why duck 4.20,2, 0.50 mm     Gradit beard of vacatury/marks monitoring 400v     Gradit of vacatury/marks monit   | 1  | Winney duck 14200, 2020 mm.   
  | Whing data 4200, 2500 mm   Whing data 4200, 5500 mm   Whing data 4200, 5000 mm   Whing data 4200 mm   Whing data 5000 mm  | 1  | Winnig duck 1820,000 mm.   | Winnig date; 420,000 mm.   Winnig date; 420,00   | Why do de A 220, 200 mm   Why do de A 220, 500 mm   Could board of wocas which will be a 250 mm   Do Marie Marie S 25, 40 mm   Do Marie Marie Marie S 25, 40 mm   Do Marie Marie Marie S 25, 40 mm   Do Marie Ma   | 1  | Winnig duck 4200, 200 mm   | Winnig data 4200, 200 min.   Winnig data 4200, 420, 1400, 200 min.   Winnig data 4200, 420, 1500,
1500, 1 | Winnig duck 4 200, 200 mm   Unique 4 200, 200, 200, 200, 200, 200, 200, 20  | 1 Winney duck 14200, 2020 mm. 1 Winney duck 14200, 2020 mm. 1 Winney duck 14200, 2020 mm. 1 Winney duck 14200, 1050 mm. 1 Oracia bend for avacan/mants membarity 4001/ 1 Select 14200, 1050 mm. 1 Oracia bend for avacan/mants membarity 4001/ 1 Select 14200, 1050 mm. 1 Ditter all to \$55, 400 mm. 1 Ditter all to \$55, 200 mm. 1 Select 250, 200 mm. 1 Select 250 mm. 1 Select 250 mm. Note 150 mm.  | Winny duck 4 200, 200 mm   Winny duck 4 200 mm   Winny duck 2 200 mm   Wi   | Winnig date; 420,000 mm.   Winnig date; 420,00   | 1 Wing duck 1920, 23 John Homes   1 Wing duck 1920, 20 Homes   1 Wing duck 1920, 20 Homes   1 Gotta bened for vaccura/maha monitaring 400/  | Winny duck 1920, 2020 mm   Winny duck 1920, 105 mm   Winny duck 1920, 2020 mm | Winny duck 4 2002, 2007 mm.   Winny duck 4 2002, 5007 mm.   Winny duck 4 2002 mm.   Winny duck 4 200  | Winny duck 4 2009, 500 mm   Winny duck 5 200 mm   Winny duck 5 25, 500 mm   Winny duck 5 25, 250 mm   Winny duck 5 200   | Winny duck 1920; 230 mm   Winny duck 1920; 230 mm   Winny duck 1920; 230 mm   Winny duck 1920; 250 mm   Winny duck 1920; 150 mm   Winny duck 1920; 150 mm   Winny duck 1920; 150 mm   Charlet Peer Vescul Ayrah   Gatter 19 Vi 22mh   A Speer Caract Road   A Speer Caract Road   D Winny 1825; 250 mm   D Winny 1825; 250 mm | Winter Guide 2000 2000 000 000 000 000 000 000 000   | Winny duck 4200, 200 mm   Winny duck 4200, 500 mm   Winny duck 4200, 500 mm   Winny duck 4200, 500 mm   Winny duck 4200, 105 mm   Winny duck 4200, 105 mm   Or cut board of weacher/white mentioning 400 v   Speer cived board of Speer cived | Winnig duck 14200; 200 mm   Winnig duck 14200; 500 mm | Winter Guide 2000 2000 2000 2000 2000 2000 2000 20  | Winny duck 4200, 200 mm   Winny duck 4200, 500 mm   Winny duck 4200, 500 mm   Winny duck 4200, 100 mm   Winny duck 4200, 100 mm   Over 1  
   | 1 Winny duck 4200; 200 mm 1 Winny duck 4200; 500 mm 1 Great Board for westurny instrumentary 4000 / 1 Great Board for westurny instrumentary 4000 / 4 Speede create Board 1 Board 1200 / 400 / 500 / 400 / | Wing dark \$200; 200 mm   Wing dark \$200; 500 | 1 Wing duck 1920 5 200 mm 1 Oracle board for secuniyatis mortering 400 7 200 mm 1 Setter 9 V 200 mm 1 Setter 1920 5 200 mm 1 Obver 18 5 5 5 400 mm  | Winny date; 4200; 200 mm   Winny date; 4200; 500 mm   Outlook of 4200; 105 mm   Outlook of | 1   | Wing dark \$200 5.20mm   | 1 Wing date; \$200 E.S. Direction. 1 Wing date; \$200 E.S. Direction. 1 Wing date; \$200 F.D. Direction. 1 Wing date; \$200 F.D. Direction. 1 Wing date; \$200 F.D. Direction. 1 Grate best of rectamy make monitoring 400V. 1 States; \$70 Zimith.      | 1 Wing date 4200, 200 mm 1 Wing date 4200, 500 mm 1 Wing date 4200, 500 mm 1 Wing date 4200, 100 mm 1 Wing date 4200, 100 mm 1 Wing date 4200, 100 mm 1 Oral benefit vacantymats maintaing 400/   | 1 Wing date 1420; 200 mm 1 Wing date 1420; 500 mm 1 Out library (1470; 1470; 1470)   | Wing date 14200, 200 mm   | 1 Wing date 42-02, 250 mm 1 Wing date 42-02, 550 mm 1 Wing date 42-02, 550 mm 1 Wing date 42-02, 500 mm 1 Wing date 42-02, 500 mm 1 Wing date 42-02, 500 mm 1 Octab board for vaccuringhasis monitoring 400v                       | 1 Wing dark \$200 200mm<br>1 Wing dark \$200 500mm<br>1 Ming dark \$200 500mm                                | 1 Wing date; 42.00 5.00 mm<br>1 Wing date; 42.00 1.05 mm                      | 1 Warng date 43-20; 200 mm 1 Warng date 43-20; 500 mm        |        |                    |                    |                   |                     | 1 1 1              | 4 =4 =4 |                    |                    |                       |              |      |                      |                    | 4                    |     |                     |                    |                      |                    |                    | -   
  | -                 | 1                  | -                  |                 |           |                   |                   | 1 Power supply 180-550V - 24V, 2,5A<br>1 Wing duct 43x20, 215 mm   | 1 Power supply 180-550V - 24V, 2,5A<br>1 Wring duct 42x20, 215 mm  | 1 Power supply 180-550V - 24V, 2,5A<br>1 Willing duck 43x20; 215 mm | 1 Pove supply 100-550V - 24V, 2,5A<br>1 Wieng duck 43x20; 215 rm   | 1 Pover supply 189-550V - 24V, 2,5A<br>1 Wheng duck 43x20, 215 rm | 1 Power agricuity 1901-155 vol. 2-5,54<br>1 Wring date 4 20,20; 215 rtm | 1 Power switch 3gn 42,000<br>1 Power switch 3gn 42,000<br>1 Wiring date 43,000, 215, rrm<br>1 Wiring date 43,000, 215, rrm   | 1 Peter supply 15 20A.5,5KW<br>1 Pener supply 105-550V, 24V, 2,5A<br>1 Whing duck 420,0, 215 rmm | 1 Mehn wurkth Speri 15 20x6, 5,5KW<br>1 Poner supply 105-550V, 24V, 2,5A<br>1 Weng duck 420,0, 215 rm<br>1 Weng duck 420,0, 215 rm   | 1 Nehn wurkth Spen 15 20% 5,50W<br>1 Pones apply 10-550V -24V, 2,5A<br>1 Whrey duck 420,0 215 rm           | 1 Note settling Sen 15 20.04.5,80W<br>1 Power suppl 180-550V - 24V, 2,5A<br>1 Wring date 48.02,15.5m                               | 1 Polin switch 2pt 15 20.6 5,50V/<br>1 Power suppl 1.5 55V - 2.4 V, 2.54<br>1 Wring date 48.00, 155 mm | 1 Nets metch 3pe 15 204 5,5MV<br>1 Power supple 105 550V - 254, 25.4<br>1 Wings duck 4520, 5,12 - 224, 2,54 | 1 Februard 20A 5,500<br>1 Power apple 105 550V - 2AV, 2.A.<br>1 Wang duck 48,200, 520V - 2AV, 2.A.<br>1 Wang duck 48,200, 520V - 2AV, 2.A. | 1 Since See 2 1.2 V, 100 ma. 1 Nean switch \$15 0.5 Since \$1.2 V, 100 ma. 1 Private supply 105-500 2.3 V, 2.5 A. 1 Wieng dark 43.00 2.25 mm. | 1 Sire, elect 1, 2 V, 100 mA 1 Pelm willing in 12 20A 5, 55KW 1 Pelm willing in 15 20A 5, 55KW 1 Pelme supply 189-55KV - 24V, 2,5A 1 Wingud duck study 2, 25K mm   | 1 Stero, elect - 1.2 V, 100 mA<br>1 Nean wallon 20 M, 550V<br>1 Power supply 105 550V - 24V, 2.5A<br>1 Wang duck 48200 2.25 mm  | 1 Ster, elect 12 V, 100 mA<br>1 Nean weeker 12 V, 100 mA<br>1 Power supply 100-550V - 24V, 2.5A<br>1 Wang duck 4240, 2.55 mm                             | 1 Street, effect 2.2 V, 100 mA 1 Street, effect 2.2 V, 100 mA 1 Pelen milet 3per 12 20, 550W 1 Pelen supply 105 550V -22W, 2.5A 1 New supply 105 550V -22W, 2.5A 1 Wang duck 45205 550 mm  
   | 1 Through surface 3 to Contact 1 MC contact |
| 1                       | Winny duck 45.00; 200 mm   Winny duck 45.00; 200 mm   Winny duck 45.00; 200 mm   Winny duck 45.00; 105 mm   Winny duck 45.00; 1 | Winny duck 45.00; 200 mm   Winny duck 45.00; 200 mm   Winny duck 45.00; 100 mm   Winny duck 45.00; 1 | Winny duck 45.00; 200 mm   Winny duck 45.00; 500 mm   Out of the 100 mm of the 100 mm of the 100 mm of 10 | Whire duck 45.00; 2.00 mm   Other let 55; 2.00 mm   Dith rail 16.50; 2.00 mm   Other let 55; 2.00 mm   Other l        | Winny duck 45.00; 200 mm   Winny duck 45.00; 500 mm   Grout blood of vacanthrina's monitoring 400v   Grout class 400 P.45(1,100 mm   DN Not ill 63, 200 mm   DN Not ill 63, 200 mm   Grout class 400 P.45(1,100 mm   Grout class 400 P.45(1,100 mm   Grout class 400, 575(2,100 mm   Grout  | Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 105 | Why duck 145.00; 500 mm   Gradia Deed for weaten/freshis monitoring 400 v   Gradia Deed for Why Carry 1500 mm   Gradia Deed for St. 250 mm   Gradia Deed St. 195 v   Gradia Deed Deed Deed Deed Deed Deed Deed Dee   | Whire duck 4.200, 2.20 mm   Div not let 55, 2.20 mm   Div not let 56, 2.20 mm   Div not let 57, 2.20 mm  | Why duck 4.500, 2.500 mm   Why duck 4.500, 2.500 mm   Why duck 4.500, 2.500 mm   Why duck 4.500, 5.500 mm   Great blood of vacanthrines monitoring 400v   Great blood of vacanthrines and vacanthrines  | Whire duck \$4.000 and many duck \$4.000 and | Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 105 mm   Control of the 200 mm   | Winnig data \$4.000 mm   Winn | Why duck 4.500, 2.500 mm   Why duck 4.500, 1.500 mm   Why duck 4.500 mm   | Why duck 45.00; 200 mm   Why duck 45.00; 105 mm   Oral Market 40.00; 105 mm   Why duck 45.00;  | Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 500 mm   Grade board in weather which is monitoring 400 v   Grade board in weather with a good of the state of  | Why duck 45.00; 200 mm   Why duck 45.00; 100  | Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 100 | Why duck 45.00; 200 mm   Why duck 45.00; 500 mm   Out of the following the | Winning duck 145.00; 200 mm   Winning duck 145.00; 300 mm   Great liber of everatamy make mental region   Great liber of everatamy make mental region   Special region of everatamy make mental region   Special region of everatamy make mental region   Dit Not all 55; 300 mm   Dit Not all 55; 300 mm   Dit Not all 55; 300 mm   Dit Not all 65; 300 mm   Control region of everatamy makes and all formation of everatamy makes and all formation of everatamy makes and all formation of every section with a few formation of every section with a few formation of every section of every better and and all formation of every section of every better and and all formation of every section of every better and all formation of every section of every better and all formation of every few formation of every better and all formation of every few mental FTS 25-19400 mm   Medical formation of every few mental FTS 25-19400 mm   Feed few copy between planning FTS 25-19400 mm   FEED FEED FEED FEED FEED FEED FEED FEE  | Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 100   | Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 500 mm   Out of the 10 to 10 t | Why duck 45.00; 200 mm   Why duck 45.00; 300 mm   Certain board for wecanyhrabis moritoring 400v   Gradia board for  | Why duck 4.500, 2.500 mm   Why duck 4.500, 2.500 mm   Why duck 4.500, 2.500 mm   Why duck 4.500, 5.500 mm   Why duck 4.500, 5.500 mm   Why duck 4.500, 6.500 mm   Why duck 4.500, 6.500 mm   Great bend of vacanty make monitoring 400 y   Great bend of vacanty and vacanty and vacanty bend of vacanty and vacanty bend of vacanty and vacanty and vacanty bend of vacanty section of vacanty of vacanty bend of vacanty bend of vacanty vacanty of vacanty vacanty vacanty vacanty vacanty vacanty vacanty vacanty va | Why duck 45.00; 200 mm   Why duck 45.00; 500 mm   On the Price of evacuary make in mellering 400 v   Great board of evacuary make in mellering 400 v   Great board of evacuary make in mellering 400 v   Before of evacuary make in mellering 400 v   Before of evacuary make in mellering 400 v   Div Loof in St. 300 mm   Div Loof in St. 300 mm   Div Loof in Minist 5 senter   Loof of the Minist 5 senter 5 senter   Loof of the Minist 5 senter 5 senter   Loof of the Minist 5 senter 5 sente | Winnig date; 45.00; 200 mm   Winnig date; 45.00; 300 mm   Winnig date; 45.00; 100 mm   Great board for wecannymates monitoring 400v   Great board for   | Why duck 4.200, 2.200 mm   Control of the A.200, 2.200 mm   Why duck 4.200, 2.200 mm   Why duck 4.200 | Why duck 45.00; 300 mm   Gradia bear of evacuathribitis monitoring 400v   Bearler 90 2.20 mh   Speec erould board   Speec erould board   Dit Not all 53; 300 mm   Dit Not all 53; 300 mm   Dit Not all 53; 300 mm   Dit Not all 64.00; 55.40 mm   Correlation for all 60.00; 50.00 mm   Correlation for all 60.00; 50.00 mm   Correlation for all 60.00; 50.00 mm   Correlation for a coll 80.00; 57.00; 500 mm   Correlation for a coll 80.00; 500 mm   Correla | 1   
  | Why duck 4.200, 2.200 mm   Great blood of vacanarymate monitoring 400v   Great blood of vacanarymate and  | 1  | Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 605 mm   Control of vacantymate mentering 400V   Control of vacantymate in Control vacanty | Why duck 45.00; 200 mm   Why duck 45.00; 500 mm   On the part of weaten/freshis monitoring 400v   Great blood of weaten/freshis 400 freshis freshis 400 freshis freshis 400 freshis freshis 400 freshis | 1   Winnig date; 45.00; 200 mm     1   Winnig date; 45.00; 350 mm     1   Winnig date; 45.00; 350 mm     1   Winnig date; 45.00; 350 mm     1   Winnig date; 45.00; 150 mm     1   Winnig date; 45.00; 150 mm     1   Great board     1   Stepara entant board     1   Spirat entant board     1   Oby Leaf 15.50; 40 mm     1   Oby Leaf 15.50; 40 mm     1   Oby Leaf 15.50; 200 mm     1   Oby Leaf 15.50; 200 mm     1   Control cable 46.0; 15 154.7; 200 mm     1   Control cable 50; 15 154.7; 200 mm     2   Control to that 5, 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5  | Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 500 mm   Why duck 45.00; 100 mm   Continued for vacantyments membering 40.0V   Why duck 45.00; 105 mm   Why duck 45.00; 105 mm   DN real 16.50; 200 mm   Content cable 40.0; 15.40; 200 mm   Content c | Why do det \$4.00; 2.00 mm   Why do det \$4.00; 5.00 mm   On the part of weaten/health in monitoring 40.0v   Great blood of weaten/health in monitoring 40.0v   Div Not all 55, 2.00 mm   Div Not all 65, 2.00 mm   Div Not all 65, 2.00 mm   Great blood of why lark protection M64.1 S   Loover Miles of Specific All 60.0v   Loover Miles 40.0v   Loover Miles 5.0v   Loover Miles | 1 Winnig date; 45.00; 200 mm   1 Winnig date; 45.00; 300 mm   1 Great beard of evacuary/make monitoring 460V     1 Great beard of evacuary/make monitoring 460V     1 Great beard of evacuary/make monitoring 460V     1 Divini of Ess. 54 mm   2 Divini of Ess. 54 mm   3 Divini of Ess. 54 mm   4 Spear cabe 400; 75 with 500 mm   5 Divini of Ess. 54 mm   6 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   2 Divini of Ess. 54 mm   3 Divini of Ess. 54 mm   4 Divini of Ess. 54 mm   5 Divini of Ess. 54 mm   6 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   2 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   2 Divini of Ess. 54 mm   3 Divini of Ess. 54 mm   4 Divini of Ess. 54 mm   5 Divini of Ess. 54 mm   6 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   2 Divini of Ess. 54 mm   3 Divini of Ess. 54 mm   4 Divini of Ess. 54 mm   5 Divini of Ess. 54 mm   6 Divini of Ess. 54 mm   7 Divini of Ess. 54 mm   9 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   2 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   2 Divini of Ess. 54 mm   3 Divini of Ess. 54 mm   4 Divini of Ess. 54 mm   5 Divini of Ess. 54 mm   6 Divini of Ess. 54 mm   7 Divini of Ess. 54 mm   1 Divini of Ess. 54 mm   2 Divini of Ess. 54 mm   3 Divini of Ess. 54 mm   4 Divini of Ess. 54 mm   5 Divini of Ess. 54 mm   5 Divini of Ess. 54 mm   6 Divini of Ess. 54 mm   7 Divini of Es   | 1   Winng date; 43:00; 200 mm   1   Winng date; 43:00; 200 mm   1   Winng date; 43:00; 200 mm   1   Winng date; 43:00; 505 mm   1   Winng date; 43:00; 505 mm   1   Winng date; 43:00; 505 mm   1   Grade board for vaccum/mahrs monitering 40:00 for the factor of the fa | Why duck 45.00; 200 mm   Why duck 45.00; 500 mm   Why duck 45.00; 105 | 1  
   | 1   Winng date; 43:00; 200 mm   1   Winng date; 43:00; 200 mm   1   Winng date; 43:00; 200 mm   1   Winng date; 43:00; 505 mm   1   Winng date; 43:00; 505 mm   1   Winng date; 43:00; 505 mm   1   Grade board for vocatury/mates monitoring 40:00/   1   Grade board for vocatury/mates monitoring 40:00/   2   Grade board for vocatury/mates monitoring 40:00/   3   Grade for for vocatury/mates monitoring 40:00/   4   Special sets 50: 500 mm   1   Other off 50: 500 mm   1   Other off 50: 500 mm   2   Grade date off 40: 500 mm   3   Grade date for   | Why duck 45.00; 200 mm   Why duck 45.00; 105 mm   Duck 41.00; 105; 205 mm   Duck 41.00; 200 mm   Duck 41.00; 200 mm   Duck 41.00; 200 mm   Reduction 100; 200 mm   Re | 1 Winnig date \$4.500, 200 mm   1 Winnig date \$4.500, 200 mm   1 Winnig date \$4.500, 500 mm   1 Winnig date \$4.500 mm   2 Winnig date \$4.500 mm   3 Winnig date \$4.500 mm   4 Winnig date \$4.500 mm   5 Winnig date \$4.500 mm   6 Winnig date \$4.500 mm   7 Winnig date \$4.500 mm   8 Winnig date \$4.500 mm   9 Winnig date \$4.500 mm   1 Winnig date \$4.500 mm  | 1  | 1 Winny duck 4.500, 2.500 mm   1 Winny duck 4.500, 2.500 mm   1 Winny duck 4.500, 2.500 mm   1 Winny duck 4.500, 5.500 mm   2 Winny duck 4.500, 5.500 mm   3 Winny duck 4.500, 5.500 mm   4 Winny duck 4.500, 5.500 mm   5 Winn dick 5.500 mm   6 Winny duck 4.500 mm   7 Winn dick 5.500 mm   8 Winny duck 4.500 mm   9 Winn dick 5.500 mm   1 Winny duck 4.500 mm   2 Winny duck 4.500 mm   3 Winny duck 4.500 mm   3 Winny duck 4.500 mm   4 Winny duck 4.500 mm   5 Winny duck 4.500 mm   6 Winny duck 4.500 mm   7 Winny duck 4.500 mm   7 Winny duck 4.500 mm   8 Winny duck 4.500 mm   9 Winny duck 4.500 mm   9 Winny duck 4.500 mm   1 Winny duck 4.500 mm | Why duck 45.00; 200 mm   Why duck 45.00; 505 mm   Why duck 45.00; 105 mm   Duck 46.00; 200 mm   Duck 46.00; 200 mm   Duck 46.00; 200 mm   Duck 46.00; 200 mm   Read-App 60 mm Why ke protection Mid-15.00   Read-App 60 mm Why 100 mm   Read-App 60 mm Why 100 mm Why | 1  | 1 Whrey duck \$4.00; 200 mm 1 Whrey duck \$4.00; 100 mm 1 Whrey duck \$4.00; 100 mm 1 Gruth bead for vectural/mate monitaring \$4.00 V 1 Gruth \$4.00 F St. 30 mm 1 Dit vall \$5.30 mm 1 Dit vall \$5.30 mm 1 Gruth \$4.00 F St. 30 mm 1 Refact code goard with birk protection M16.1.5 mm 1 Induct \$4.00 F St. 30 mm 2 Induct \$4.00 F St. 30 mm 3 | Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 200 mm   Why duck 45.00; 500 mm   Why duck 45.00; 605 mm   Why duck 45.00; 105 mm   Why duck 45.00; 105 mm   Concluded for exacutyments monitoring 40.0V   Refer 19. 22.00; 105 mm   Dit vial 16.50; 205 mm   Dit vial 16.50; 205 mm   Dit vial 16.50; 205 mm   White duck 400 P.46(17000-2000)   White color and 100 P.46(17000-2000)   White color and 100 P.46(17000-2000)   Refer to the color and 100 P.46(17000-2000) | 1 Why quest 45:00; 200 mm 1 Why quest 45:00; 200 mm 1 Why quest 45:00; 300 mm 1 Why quest 45:00; 300 mm 1 Why quest 45:00; 500 mm 1 Great bene of evacuary marks monitoring 400v 1 Great bene evacuary marks monitoring 400v 1 Great bene evacuary marks monitoring 400v 1 Great bene evacuary marks and evacuary m | 1 Whrey
duck \$4.00; 200 mm  1 Whrey duck \$4.00; 500 mm  1 Whrey duck \$4.00; 505 mm  1 Grade based for wacausyments monitering 400V  2 Secret based for wacausyments monitering \$4.00V  4 Special \$5.00 mm  1 Div not life \$5.00 mm  2 Special and so the 45(1,000 5,000)  1 Agric cabe given with brity protection Mile 1.5  1 Locknet, Miled \$5.00 based  | 1 Whrey duck \$4.00; 200 mm 1 Whrey duck \$4.00; 100 mm 1 Gradi beed for vacuary make mentaring \$4.00 V 1 Batter 9 Va Zamidh 1 Batter 9 Va Zamidh 1 Batter 9 Va Zamidh 1 Dit not all 65 Si; 40 mm 1 Dit not all 65 Si; 200 mm 1 Dit not  | 1 Winny duck 42002 200 mm   1 Winny duck 42002 200 mm   1 Winny duck 42002 500 mm   1 Winny duck 42002 105 mm   1 Conti boxed for vacanarymate monitoring 400 v   1 Report for vacanarymate monitoring 400 v   1 Special conti boxed for vacanarymate monitoring 400 v   1 Divin vill 53, 930 mm   1 Divin vill 53, 930 mm   1 Divin vill 53, 230 mm   2 Special conti boxed for vacanarymate monitoring 400 v   1 Special conti boxed for vacanarymate monitoring 400 v   1 Special conti boxed for vacanarymate monitoring 400 v   1 Special conti boxed for vacanarymate monitoring 400 v   1 Special conti boxed for vacanarymate vacanarymate v   1 Special conti boxed for vacanarymate  | 1 Why duck 4200; 200 mm 1 Why gold at 4200; 500 mm 1 Why gold at 9200; 500 mm 1 Why gold at 9200; 500 mm 1 Gold benefit vocatory harbs mentering 400v 1 Gold benefit vocatory harbs and the 400v 1 Gold benefit vocatory with the 400v | 1 Why duck 4200; 250 mm 1 Why gut 42420; 250 mm 1 Why gut 42420; 250 mm 1 Why gut 42420; 50 mm 1 Why gut 42420; 50 mm 1 Why gut 42420; 70 mm 1 Why gut 42420; 70 mm 1 Graft boad for vocantyhants mentarsy 400V 1 Graft boad for vocantyhantsy 400V 1 Graft bo | 1 Why quick 4200; 200 mm 1 Gradi bond for vocany make monitoring 400 / 200 mm 1 Gradi bond for vocany make monitoring 400 / 200 mm 1 Dibit valid both 250; 400 mm 1 Dibit valid both 250; 200 mm 1 Dibit valid both 250; 200 mm 1 Spend achie 400 P ACL/(1000-2000)  | 1 Winny duck 4200, 200 mm 1 Winny duck 4200, 200 mm 1 Winny duck 4200, 200 mm 1 Winny duck 4200, 500 mm 1 Winny duck 4200, 500 mm 1 Winny duck 4200, 105 mm 1 Winny duck 4200, 105 mm 1 Oral board of vacatary marks monitoring 400 v 1 Don val 16 35, 400 mm 1 Don val 16 35, 400 mm 1 Don val 16 35, 200 mm 1 Sprint dock 400 P45(1,100-2000)  | 1 Wing date 14.200. 200 mm  1 Wing date 14.200. 200 mm  1 Wing date 14.200. 500 mm  1 Great Board for wataniyhaha menlaring 400v/  4 Speed creat board  1 Divi call 15.51. 400 mm   | 1 Whing date \$4.200 250 mm 1 Gratitoned for wacannymans monitoring \$4.00V 1 Gratitoned for \$2.500 mm 1 Divin all \$5.5.200 mm  
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  |                   | -                  |                    |                 |           |                   |                   | 1 Power supply 180-550V -24V, 2,5A We'no duck 42-20: 215 mm        | 1 Power supply 180-550V -2-4V, 2,5A<br>1 We'nn dust 4 8-20: 215 mm | 1 Power supply 189-550V - 24V, 2,5A<br>1 Wirth duck 48-20-515 mm    | 1 Power supply 180-550V - 24V, 2,5A<br>1 Wiring duck #3200-515 mm  | 1 Weign duck #220-0-515 mm  | 1 Posts supply 190-550v - 24V, 2,5A 1 When dark 420's 215 mm            | 1 Point with 190-550V -24V, 2,5A<br>1 When 4420V -25V, 2,5A<br>1 When dark 420V -215 mm  | 1 Nein switch 2pt 15 204 5,500<br>1 Rough 180-254, 2,54<br>1 With older 4 200 215 mm             | 1 Pelin switch Spin 15 20A 5,500<br>1 Pelin switch 180 - 24V, 2,54<br>1 Writin date 4 to 20 215 mm   | 1 Pelin switch 2ge 15 20A, 5,500<br>1 Pelin switch 2ge 15 20A, 5,500<br>1 Writin date 4 to 20 215 rms      | 1 Plets switch 2pc 15 20A 5,5KW<br>1 Plets suph 15 20A 5,5KW<br>1 Weiner dat 4 2020 0 15 tree                                      | 1 Petin switch 3pt 15 204 5,5KW<br>1 Petin switch 3pt 15 204 5,5KW<br>1 Weiner date 42020 515 tree     | 1 New supply 550V 530V 15 20 K 5 80V 1 New supply 550V - 24 V 2.5 K   | 1 Pean switch 3pt 15 204 5,300V<br>1 Pean switch 3pt 15 204 5,50V - 34<br>1 Weine supply 15 550V - 34V, 2,54<br>1 Weine 44 84 200 - 35 E   | 1 Yellow (2004) 500 100 100 100 100 100 100 100 100 100   | 1 Strev, elect*, 1.2 V, 100 mA 1 Nein switch 2(e) 1.2 D/A, 25 NV 1 Neine switch 2(e) 1.2 D/A, 2,5 N 1 Neine switch 2(e) 2(e) 2(e) 2(e) 2(e) 2(e) 2(e) 2(e)   | 1 Stero, electr, 12 V, 100 mA 1 Nan witch 2ger 15 20 A, 55 W 1 New witch 2ger 15 20 A, 55 W 1 New expenditure 10 Sector, -24 V, 25 A, 1 Wenner and electron 1 Wenner and electron 1 Wenner and electron 1 Wenner and electron 1 | 1 Sire, elect 12 V, 100 mA 1 Plan switch 2per 12 20 A, 55 W 1 Plan switch 2per 12 20 A, 55 W 1 Plan switch 2per 12 20 A, 55 W 1 When elect 42 20 D, 51 W | 1 Simple and a set of the control of | 1 Through annial 240 C. Lio. No contact + 1 NC contact 164/250 V.C. 1 Strong-select 1.2 V, 10 th No contact + 1 NC contact 164/250 V.C. 1 Pelan switch 24th 12 204 5,500 V.C. 1 Pelan switch 24th 12 204 5,500 V.C. 1 Novel apple 105-550 V-24V, 2.54 1 Monda data 6200 5,5100 V.C.   
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AERO-LIFT Vakuumtechnik GmbH Turmstraße 1 D-72351 Geislingen-Binsdorf www.aero-lift.de

