

User manual

X-Screed D60

Réf. 40100



EUROPRO

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You just acquired one of our machines and all the team of Europe Projection thanks you for the confidence you have granted us.

Manufacturer of professional equipments for paint and fillers, we have put our know-how for 25 years at the service of the users of our machines.

Our technical & commercial team is at your disposal for any further information you may need about the machine you just acquired.

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SUMMARY

1. USER MANUAL.....	p. 4
1.1. Importance of the manual	p. 4
1.2. Receivers of the manual.....	p. 4
2. WARNING	p. 5
2.1. Safety	p. 5
2.2. Transport	p. 8
2.3. End-of-life of the product	p.12
3. YOUR MACHINE	p.13
3.1. Description.....	p.13
3.2. Technical characteristics	p.13
3.3. Identification of the components	p.14
4. PREREQUISITES.....	p.16
4.1. Safety instructions.....	p.16
4.2. Conveying hoses and couplings.....	p.17
4.3. Operation in confined spaces.....	p.18
4.4. Before starting up	p.18
5. OPERATION.....	p.19
5.1. Safety instructions.....	p.19
5.2. Safety instructions for normal operation	p.20
5.3. Checking before starting.....	p.21
5.4. Mixing	p.21
5.5. Conveying or pumping	p.22
5.6. Appropriate conveying pressure.....	p.23
5.7. Automatic lubrication	p.24
5.8. Loading hopper (optional)	p.25
5.9. Shovel (optional).....	p.25
5.10. High pressure washer prerequisites	p.26
5.11. High pressure washer starting up	p.27
5.12. Work finalisation	p.27
5.13. Malfunctions in the conveying of material.....	p.29
5.14. Malfunctions in road transport	p.30
5.15. Operation in winter.....	p.30

SUMMARY

6. MAINTENANCE.....	P.31
6.1. Safety instructions for maintenance and repair.....	p.31
6.2. Safety instructions for the use of tools.....	p.31
6.3. Safety instructions for the machine.....	p.31
6.4. Safety instructions for the battery.....	p.31
6.5. Automatic greasing.....	p.32
6.6. Manual greasing points.....	p.32
6.7. Preventive maintenance.....	p.33
6.8. Maintenance of the motor-compressor unit.....	p.35
6.9. Additional maintenance.....	p.39
7. LUBRICANTS.....	p.42
8. DEFECTS AND REMEDIES.....	p.43
9. VOLUME SCHEME.....	p.45
10. ELECTRICAL SCHEME.....	p.46
11. HYDRAULIC SCHEME.....	p.47
12. DECLARATION OF CONFORMITY.....	p.49
13. WARRANTY CONDITIONS.....	p.51
14. FOLLOW-UP OF REVISIONS.....	p.54

1. USER MANUAL

1.1. IMPORTANCE OF THE MANUAL

This manual is a key part for the use of your machine. It summarizes the procedures of starting-up, cleaning and maintenance of the device and also the safety instructions you need to observe.

Read carefully all the working and safety instructions and the warnings included in this manual before starting your machine.

Most of the accidents are caused by the non-compliance of the safety standards and rules.

This manual must be kept near the machine, within reach of the user and held in good condition until the final destruction of the machine.

In case of loss or deterioration of the manual, you can ask the machine manufacturer mentioned on page 4 for a copy at any moment.

1.2. RECEIVERS OF THE MANUAL

This manual is intended to any staff which will manipulate the machine :

- people in charge of the transport of the machine
- people in charge of the use of the machine
- people in charge of the cleaning and maintenance of the machine
- people in charge of the final destruction of the machine

2. WARNING

2.1. SAFETY

Using the machine in an incorrect way or in non-compliance of the safety instructions indicated in this manual can cause death or serious injuries.

Read carefully all the working and safety instructions and the warnings contained in this manual before starting your machine.



- Respect all the safety standards before running the equipment.
- Use the equipment only for the applications specified in the manual.
- Always remain alert when using the equipment.
- Transport the machine using the handles or the appropriate grips.
- During the breaks, disconnect electrically the machine.



- Run the equipment to its nominal voltage.
- Let at least 50 cm of free space between the equipment and any obstacle so that the air flow is not blocked.
- Know how to quickly stop the equipment in case of necessity.
- Never use the equipment while it is running abnormally or it is defective.
- Do not direct a water jet or flammable liquid on the machine.
- Never direct an air jet or product jet on a person or an animal.
- Do not touch warm surfaces of the equipment.
- Always wear adequate body protections (glasses, gloves, overall and mask) and pay attention to long hair.
- Never touch moving parts.
- Do not insert any object or the hands inside the protection grids to avoid any accident or damage to the machine.
- For any outside job, only use appropriate extension cords.



- Maintain the equipment carefully and clean it properly after every use.
- Disconnect the equipment before any intervention.
- Avoid absolutely to unscrew any connection while the machine is under pressure.
- Check the damaged parts.
- Do not clean the plastic parts with solvent.
- In case of needed After-Sale Service, always specify the machine model and its serial number.
- For any replacement of parts, only use genuine parts.



- Do not modify the machine.
- Do not cut or dismantle the protection grids.
- Do not open the electric box.

2. WARNING (continued)

2.1. SAFETY (continued)

WORKSPACE

- Maintain the workspace clean and clear.
- Ambient operating temperature must be from -5°C and 35°C.
- Do not use the equipment in a potentially explosive area.
- Do not place any potentially inflammable objects in close proximity to the machine.
- Take away every not qualified person from the working area of the machine, as well as children and animals.
- Do not install the equipment on an inclined surface to avoid the risks of unexpected moves or falls.

HOSES

- Always use hoses and connections adapted to the used product (genuine parts), do not try to fix it.
- Do not walk on the hoses, do not bend them.
- Do not use the hoses to pull the machine.

STORAGE

- Keep the equipment in a clean and clear area in which the temperature does not exceed +35°C.
- After every use, necessarily grease the pump with a mixture of water + storage liquid to avoid it blocking up. The storage of a not greased pump can damage it seriously.

**IN CASE OF NECESSITY, WE SAVE OURSELVES THE RIGHT TO MAKE ANY USEFUL
MODIFICATION WITHOUT ADVANCED NOTICE.**

2. WARNING (continued)

2.1. SAFETY (continued)

SAFETY SYSTEMS

This machine has been designed to allow working with the maximum safety.

So safety sensors and emergency stop has been setted on your machine without complicating your work.

We are insisting on your caring to maintain them in good condition and above all not to remove them.

In case of malfunction, please contact immediately your dealer.

HYDRAULIC

This machine is equipped with high pressure hydraulic circuits (210 bar).

The following instructions are essential for your safety:

- Never tighten a hydraulic connection while the machine is working.
- Never try to wipe an oil drop on a hose or hydraulic component with your finger while the machine is working.
- Take care of the good condition of the plumbing (a damaged or blistered rubber must be changed immediately).
- Check regularly if the circuit does not have any leak.
- In any case, do not touch hydraulic parts (even when the machine is not working) because the components shall be hot and there is a burn risk.

SAFETIES AND PROHIBITIONS

- Rising the mixer grid up causes the mixing shaft movement stop.
- Emergency stop is located on the machine control panel. Do not hesitate to use it if needed, this will immediately stop the motor. To restart the machine after emergency stop button pushed, follow this procedure:
 - Put the command buttons in central position.
 - Rearm emergency stop.
 - Command panel lamps must be lighted-up (green = correct / red = default).
 - Engage the starter with the contact key.
 - Resume spraying or pumping procedure.

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MODIFICATION WITHOUT ADVANCED NOTICE.**

2. WARNING (continued)

2.2. TRANSPORT



This machine is equipped with brakes, as its total authorised weight exceeds the 750 kg limit set by the applicable European directive.

- This machine was the object of a road homologation (**e2*2018/858*00033*00**). As such, it must be registered and can be thus dragged normally on the road network.
- The following points must be taken into account when transporting by road:
 - Observe the national traffic regulations of the country in which the machine is being driven.
 - Carry the machine's registration papers or registration certificate with you.
- The adjustable jockey wheel easily allows you to fix the helm to the harness of your vehicle.
- The adjustable helm gives you the possibility of adjusting the machine horizontally.
- An electric cable provided with a grip allows you to link the device of lighting of the trailer with the tractor truck.
If you are using a towing vehicle with a 12 V system, you can directly connect the cable to the vehicle.
- A cable of break allows to bind the device of harness of your vehicle with the machine in case of hanging problem of the helm during a travel.
It is imperative to collide this cable on the harness of the vehicle.



X-Screed D60 is not a transport trailer, it is strictly forbidden to transport people or products related to the application of the machine.

Before any road travel:

- Check the pressure of the pneumatics which has to be 4,5 bar max.
- Check the tightening of the nuts of wheels.
- Check the tightening of the nuts of the articulated helm and the presence of pins.
- Clean reflectors.
- Clean and check the functioning of the device of lighting.
- Collide the cable of break.

2. WARNING (continued)

2.2. TRANSPORT (continued)

HANDBRAKE

The handbrake, which is supported by a gas spring suspension, serves for safe parking of the machine. The handbrake adjusts automatically when the frame is moved backwards.

Operation of the version with gas spring suspension: pull the handbrake for parking to a standstill. To release the brake, the lever must be returned to the zero position through the neutral gear.

HOLDING DEVICE

If the towing vehicle brakes or goes downhill, the drawbar is pulled in, depending on the level of drawbar force, so that the brake responds.

Also when reverse gear is engaged, the brake responds at first. As the brake drum moves backwards, the brake effect is practically eliminated. When adjusting the locking device, make sure that it is parallel to the main drawbar. If not, the brakes will not work.

TOWING DRAWBAR

The towing drawbar is equipped with an adjustment aid. This enables easy and convenient height adjustment for the transport coupling.



Before each journey, check the safety of the tow bar.

- When adjusting the height, make sure that the holding device is parallel to the drawbar. Check that the toothed heads are correctly connected to each other, that the locking lever is correctly tightened and that the safety catch is correctly inserted. If this is not the case, it is not guaranteed that the brakes will work.
- If a headstock is fitted, check that the headstock is correctly attached to the ball of the towing vehicle.
- Only change the height on level ground.
- Secure the machine against rolling with the brake chock, then release the handbrake.

If a certain height is maintained for a longer period of time, rust may appear on the gear connection and cause damage to the gear connections, which is why regular cleaning of the gear connections is recommended.

The maintenance of these elements should be carried out regularly and the condition of the gearheads as well as the threads, bolts and fixing handles should be checked. If excessive wear is detected, the corresponding part must be replaced.



The safety hitch is absolutely necessary. It must be replaced in the event of loss or wear. Check the condition of the brake cable of the overrunning hitch and the safety cable at regular intervals.

2. WARNING (continued)

2.2. TRANSPORT (continued)

SUSPENSION AXLE

The suspension axle is maintenance-free and must not be greased, as grease can attack the rubber parts.



Do not carry out welding work on the axle.

PNEUMATIC WHEELS

When replacing the wheel, ensure that the correct hubs are used for the wheel connections.

- Tighten the ball screws to the marked torque.
- The rims must correspond to the axle data.

OVERRUNNING BRAKE



Have brakes repaired only by an authorised workshop and only with original parts.

The wheel brakes comply with the regulations for toxic substances and EU regulations.

BRAKE SUPPORT AND CHOCKS



Secure the wheels with both brake chocks, both on level ground and on slopes, to prevent the vehicle from rolling away.

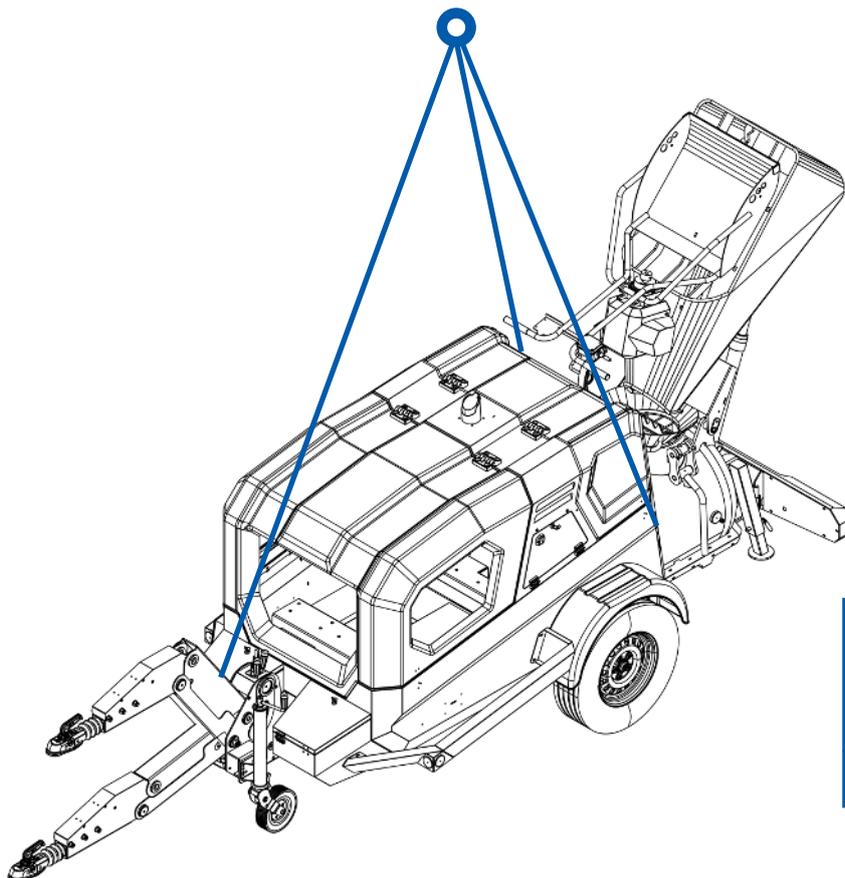
2. WARNING (continued)

2.2. TRANSPORT (continued)

TRANSPORT BY CRANE

When moving the machine by crane, the machine must be secured at two points at the rear and one point at the front (see recommended optional lifting kit).

- Remove or secure any loose parts that may fall out when lifting the machine.
- It is advisable to have a specialist attendant near the crane operator or in contact with him by loudspeaker.
- Then hang the machine on the crane.
- Only use forklifts and load carrying equipment with adequate lifting capacity (check beforehand that they have been checked and approved in accordance with local safety regulations).
- If the machine or parts of the machine with one or more lifting holes are lifted, load hooks, shackles, should be used. Do not place cables, chains or ropes directly into the lifting holes.
- Never use bent or doubled load hooks, and attach them in such a way that the load is always loaded in a straight line with the axis of the load carrier.
- If necessary, a beam can be placed between the hoist and the load. Two hoists can also be used, on condition that they are not inclined more than 30° from the vertical. The lifting capacity of a hoist is reduced if the lifting force is not vertical.
- In all cases, secure the machine so that it can be lifted vertically and cannot rotate or tilt.
- Be careful with the load and do not work with too much momentum. Acceleration and deceleration should be kept within moderate limits.
- Do not leave the load hanging on the lift.
- Ensure that no one is in the danger zone around the load.



2. WARNING (continued)

2.3. END OF LIFE OF THE PRODUCT



At its end-of-life, the machine must not be eliminated with the other household waste. The uncontrolled elimination of waste can harm the environment or human health. Individuals are invited to contact the distributor which sold them the product or to inquire with their city hall to know where and how to get rid of the product so it can be recycled while respecting the environment.

For any further information, please contact our hotline +33 4 42 29 08 96 or conseil@euromair.com.

3. YOUR MACHINE

3.1. DESCRIPTION

Thermal motorised machine designed for mixing and transporting materials, ideal for all dry, semi-dry or wet screed applications, with products such as mortar, sand or light products such as arlite. Manufactured in Spain, it is equipped with a button control panel for easy use, an automatic accelerator, a motor and a variable flow hydraulic pump.

The safety devices comply with current standards and the hydraulic circuits are protected against possible blockage of the rotating elements. Various air exchangers are arranged in the machine to ensure that the oil temperature is kept within the correct range.

3.2. TECHNICAL CHARACTERISTICS

Motor	Kohler KDI 1903TCRE5
Motor power	42 kW
Oil	10W40
Fuel	Gasoil B7
Diesel tank	50 L
Cooling	liquid
Speed of rotation	2600 rpm
Number of cylinders	3
Consumption	9,9 L/h
Compressor flow-rate	> 5,5 m ³ /min
Hydraulic system	50 L
Engine monitoring panel	complete
Hydraulic controls	electrical
Pump speed setting	manual
Automatic accelerator control	electrical/automatic
Mixer tank capacity	200 L
Mixer tank drain plug	yes
Standard filling height	90 cm
Filling height with optional tank	40 cm
Pump pressure	8,5 bar
Maximum grain size	up to 16 mm
Mixer reverse speed	yes
Overall length with tow bar	5,23 m
Overall width	1,58 m
Height at the highest point	1,55 m
Height at the highest point with optional tank	2,20 m
Weight when full with oil and diesel	1960 kg

3. YOUR MACHINE (continued)

3.3. IDENTIFICATION OF THE COMPONENTS



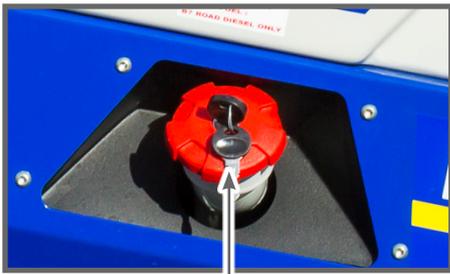
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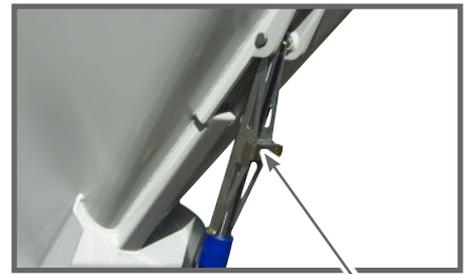
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6A

6B

10

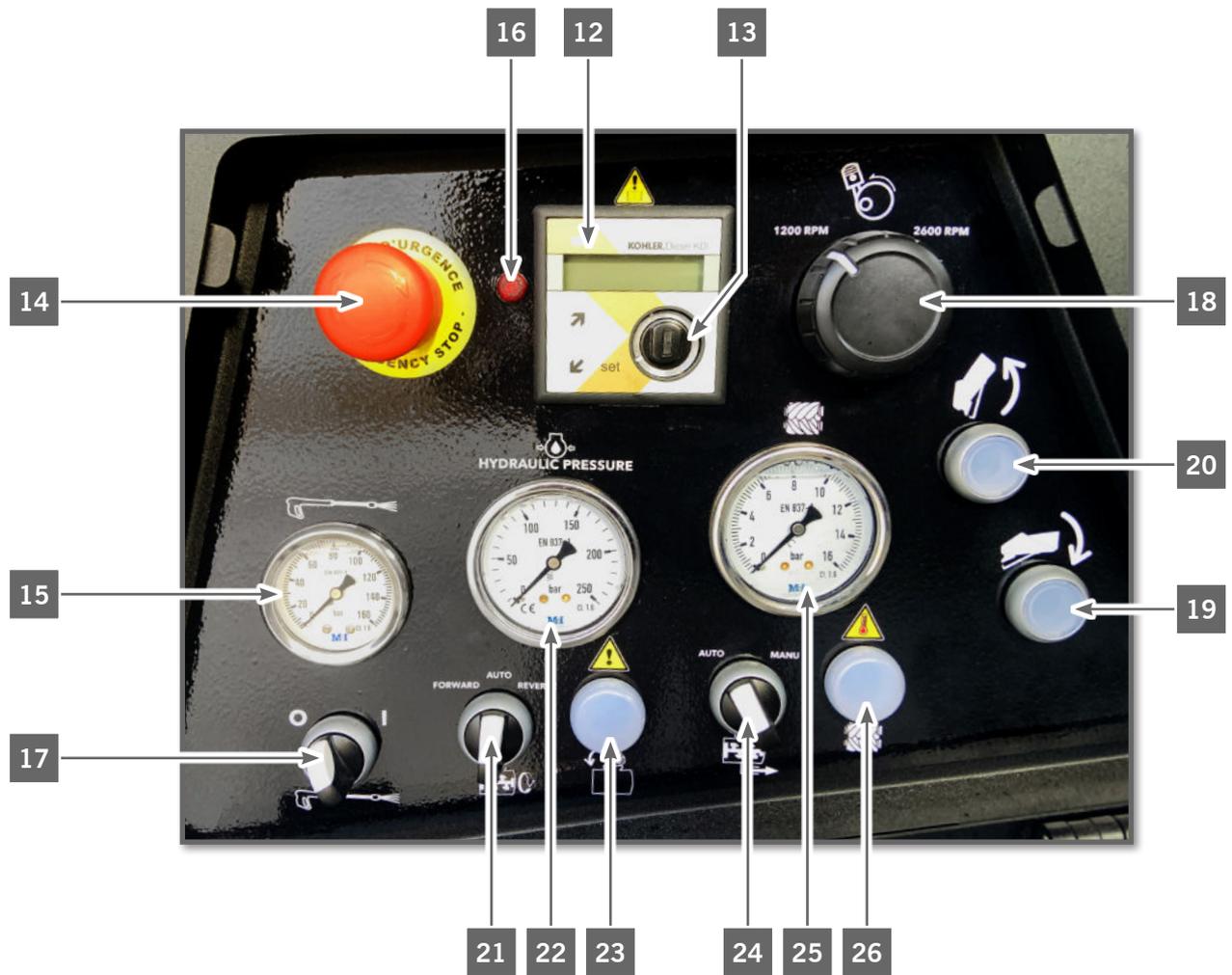
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1	Hydraulic oil level	7	Hopper cylinder safety lock
2	Engine oil level	8	Jockey wheel
3	Motor flange lubricator	9	Loading hopper (optional)
4	Diesel tank cap	10	Removable light plates
5	Automatic lubrication unit	11	Tank drainage
6	Air system valves	12	Shovel (optional)

3. YOUR MACHINE (continued)

3.3. IDENTIFICATION OF THE COMPONENTS (continued)



12	Diesel engine display
13	Switching on the machine and starting the engine
14	Emergency stop
15	Washer circuit pressure manometer Maximum pressure 150 bar.
16	Fuel indicator
17	HP washer switch: On (right position) / Off (left position)
18	Diesel engine speed adjustment selector
19	Hopper lowering control
20	Hopper raising control
21	Mixing paddle rotation control switch
22	Mixing circuit manometer
23	Tank grid safety indicator
24	Tank air control selector - Left position: AUTO - Right position: MANUAL (blows air continuously)
25	Pressure circuit manometer
26	Compressor temperature indicator

4. PREREQUISITES

4.1. SAFETY INSTRUCTIONS

- Safe and careful work begins with the selection of the installation location of the machine. On the work site, the user must first be familiarised with the working environment.
- The installation of the machine must be at a fixed, level location.
- If the machine is equipped with a loading hopper, there must be enough space at the place of installation to allow the hopper to be lowered without difficulty.
- In the case of a machine with a loading hopper, it is necessary to place the machine on a level surface, using the support legs on both sides of the mixing tank and securing them with the corresponding pins.
- In a dusty environment it must be ensured that the dust does not blow in the direction of the air intake system. The air filter becomes dirty much faster and the maintenance intervals are considerably shortened, also for the cooling system.
- Do not place the machine where an explosion could occur, unless the machine has been technically modified for this purpose. Pay particular attention to the information on electric and diesel engines.



Place the machine in such a way that the work site is protected against objects falling on the machine or surrounding people. Wear a protective helmet.

- Secure the machine against movement with the parking brake and chocks intended for this purpose. It is advisable to remove the lighting system from the machine and store it in a safe place.
- Operate the machine with the necessary safety devices.
- Lay the conveying hoses in a path as short as possible. For changes in direction, make the radii wide (bending radius = six times the outer diameter of the pipes) to avoid bending the pipes. The fewer fittings the better, as this facilitates the free flow of the product inside the conveying hoses.
- In case of use at heights, the hoses must be very carefully fastened with the clamps provided, so that they do not break under their own weight. The use of cloth or leather hooks for conveying hoses is strongly recommended.
- Secure all coupling joints on the connected hoses to prevent them from opening.
- Check hoses and couplings regularly for wear and tear (abrasion and ageing, see safety check sheet for optimum condition).



For safe operation, it is essential that only original EUROMAIR conveying hoses and couplings are used (or couplings approved by the manufacturer).

4. PREREQUISITES (continued)

4.2. CONVEYING HOSES AND COUPLINGS

- There are several types of conveying hoses, distinguished by their internal diameter (also called nominal diameter).
- The choice of the nominal diameter of each conveying hose depends on the material to be conveyed. The following points serve as a reference:

Material grain size from 4 to 6 mm :

Nominal diameter 50

Material grain size up to 8 mm, max. 1/3 coarser grain, washed sand, large proportion of cement:

Nominal diameter 65

Material grain size from 8 mm to a maximum of 12 to 16 mm, sticky sand, large proportion of grains, large proportion of cement:



All conveying hoses used must be of the same nominal diameter, as using different nominal diameters can easily lead to clogging and reduce the conveying performance of the machine.

- Depending on the nominal diameter of the conveying hoses, different couplings are required for a complete adaptation to the different diameters.
- Conveying hoses are subject to natural wear and tear due to abrasion and ageing and should therefore be checked at least every 3 months by a specialist or qualified person to ensure that these wear parts are in perfect condition.
- If necessary, conveying hoses and couplings should be replaced immediately.
- A reduction of the nominal diameter from 65 mm to 50 mm can be installed at the product outlet of the mixing tank. This reduction has a second function: it retains larger stones so that they cannot enter the conveying hose and cause blockages.
- The conveying hoses must be able to withstand an operating pressure of 10 bar for fluid screed machines and 40 bar for plastering or pump and spray machines.

4. PREREQUISITES (continued)

4.3. OPERATION IN CONFINED SPACES

- In general: when working in confined spaces, observe national regulations that may apply to the destination of the machine.



For diesel-engined machines operating in enclosed spaces, it must be taken into account that the exhaust gases of combustion engines contain carbon monoxide and must therefore be led out through a pipe with an inner diameter of at least 100 mm.

- Place the machine so that it does not block entrances, exits or passages if doors are open.
- Install the machine in such a way that it can be worked with without difficulty - not directly in front of a wall, so that the hot air coming out of the engine cannot be sucked back in.
- Always ensure that there is sufficient ventilation of both the room and the machine, never cut off the air supply.
- Place the machine in such a way that it cannot absorb dangerous substances (e.g. flammable solvents, etc., but also dust and other dangerous or toxic substances). This also applies to sparks.
- For maintenance, testing and repair work, a clear and well-ventilated area is required.

4.4. BEFORE STARTING UP

- Before the first start-up, the battery must be prepared for proper operation.
- Check the oil level with the machine in horizontal position. If necessary, top up with suitable oil to the top mark of the container.
- Also check the oil level in the compressor and do the same as above.



Before removing the plug on the oil filler, make sure that the pressure has been vented.

- Check that the fuel tank level is optimal for operation.
- Remove dust from the air filters by pressing the valve on the air filters.

5. OPERATION

5.1. SAFETY INSTRUCTIONS

- Observe the regulations of the professional associations, in particular the accident prevention regulations.
- Remedy immediately any defects that could affect safety.
- It is possible that the materials you are working with may endanger your health. For this reason, always wear the necessary equipment according to the manufacturer's data sheets (respiratory protection, gloves, etc.).
- Only handle and convey suitable materials in accordance with the machine description:
 - X-SCREED is a pneumatic conveying system with a mixing tank for all screed, mortar and cement products up to 16 mm grain size.
 - It can be used for plastic materials such as cement screed, anhydrite screed, lightweight concrete, mortar, clay-straw mix, mulch, blast-proof materials, bulk granular materials as well as cement, sand and coarse sand up to 16 mm grain size.



The use of other materials is only possible after prior agreement and consultation with the manufacturer.



Any improper use of the machine is prohibited.

5. OPERATION (continued)

5.2. SAFETY INSTRUCTIONS FOR NORMAL OPERATION

PRESSURE TANK

Maintenance and installation requirements:

The X-SCREED uses pressure equipment: an oil separator for the compressor and a pressure mixing tank for the product.

The operating data can be found on the nameplate of each tank:

- Maximum operating overpressure, P_s in bar.
- Maximum operating temperature, T_{max} in °C.
- Minimum operating temperature, T_{min} in °C.
- Tank content, V in litres.

1. The pressure tank may only be used for the purposes described above and corresponding to the technical data. Use for other purposes is not permitted for safety reasons.
2. State regulations regarding repetitive testing must be observed.
3. Never perform welding or other hot work on the pressure tank.
4. The pressure tank is equipped with all necessary protection and safety devices, such as pressure gauge, overpressure protection devices, safety valve, etc. Never operate the pressure tank without these devices.
5. The pressure equipment must be cleaned regularly, with the machine disconnected, and the condensate must also be drained.

SAFETY VALVE

Maintenance and repair work must be carried out by an authorised representative of the supplier.

The following tests should be carried out:

1. Check once or twice a year whether the lifting mechanism opens properly. To do so, turn the valve cap counter-clockwise.
2. Check once a year the pressure setting in accordance with local regulations. This test should not be performed on the compressor but in a suitable test room.

5. OPERATION (continued)

5.3. CHECKING BEFORE STARTING

- If the machine is equipped with the loading hopper and/or the shovel (optional), make sure that no one is near the machine in the lifting area.
- Never refuel with the engine running.
- Pay attention to the correct position of all cables. Ensure that all conveying hoses are properly secured and that the hose connections are secure (proper and undamaged).

SAFETY SYSTEMS ON THE MACHINE

- Before starting the machine, all safety installations must be in place and ready to function properly.
- The X-SCREED machine complies with all the requirements of the European regulations on the safety of construction machinery. For this purpose, the necessary safety systems are provided on the machine.

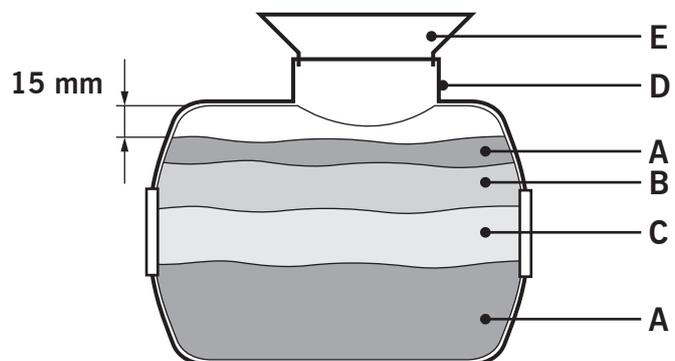


**In dangerous situations or in case of unusual noises during operation, press the emergency stop button quickly to stop the machine immediately.
The button can be activated again by turning it to the right and pulling it.**

5.4. MIXING

The mixing procedure is as follows:

1. Place the filling cone (E) over the tank opening (D).
2. Fill the mixing tank halfway with the aggregates (A) (approx. 100 L).
3. Add the binding agent (C) according to the manufacturer's instructions.
4. Add the necessary water (B).
5. Fill the mixing tank with the aggregate (A).
6. Check if more water is required and add more if necessary.
7. Before closing the lid of the mixing tank, clean the edge of the tank with a brush or similar.

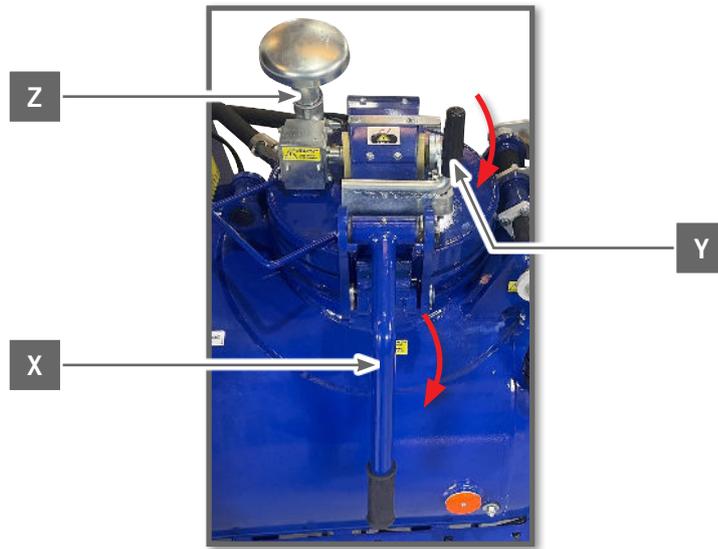


**Only fill the mixing tank to within 15 mm of the bottom edge of the filler neck.
Otherwise, the service life of the mixing tank and its wearing parts will be considerably reduced.**

5. OPERATION (continued)

5.5. CONVEYING OR PUMPING

Although material conveying with the X-SCREED is mostly done in automatic mode, there is also a manual operating mode.



AUTOMATIC MODE

1. Place the switch (21) in the FORWARD position.
2. Turn the selector (24) to the AUTO position.
3. Set the air inlet and outlet levers (6A) and (6B) to 2.5.
4. Once the product mixture has reached the desired consistency, close the lid using lever (X).
5. Then lower the safety lever (Y) to start the air injection process, the compressed air starts to flow into the tank.
6. As soon as the air pressure inside the tank is sufficient, the product conveying is activated.
7. The product is then sent in sections through the hose.



The machine is equipped with a safety system that prevents the lid of the pressure tank from being opened.

Before opening the tank lid with the lever (X), it is necessary to activate the safety lever (Y) which opens the exhaust valve (Z) located at the top of the tank, thus releasing all the pressure inside.



Never open the lid if it is under pressure!



Clean the edges of the tank. Replace the rubber gasket immediately if it has major cracks or if material has penetrated the gasket.

5. OPERATION (continued)

5.5. CONVEYING OR PUMPING (continued)

MANUAL MODE

- This conveying mode is used when it is desired to empty a part of the mixing tank. For example, when the daily work is finished and only a certain amount of mixture is to be conveyed.
- During conveying in automatic mode, turn the selector (24) on the control panel to the MANU position. The compressor stops automatically and the tank lid can be opened. This allows the operator to check the amount of mixture remaining in the tank.
- Once this check has been made, turn the key back to position I to continue the conveying process and empty the tank to the desired quantity, or even completely.

5.6. APPROPRIATE CONVEYING PRESSURE

UPWARD CONVEYING

- If the product is to be conveyed to higher levels, the optimum lifting pressure is between 4 and 5.5 bar. The pressure is regulated by ball valves (6A and 6B) for upper and lower air. The setting depends on the length and routing of the conveying hoses, as well as the amount of each material in the mixture in the mixing tank.
- If any of the above variables are changed, the pressure must be readjusted and checked on the manometer (25) on the control panel:
 - If the pressure exceeds 4-5 bar, close the upper valve further and open the lower valve further.
 - If the pressure falls below 4-5 bar, open the upper valve further and close the lower valve further.

DOWNWARD CONVEYING

- If the product is to be conveyed downwards, for example into a basement, the optimum delivery pressure is only 2 to 3 bar. Again, the conveying pressure is regulated by valves (6A) and (6B). The adjustment depends on the length and routing of the conveying hoses, as well as on the quantity of each material in the mixture in the mixing tank.
- Downward conveying is a difficult conveying situation, as the conveying air can pass through the material sections in the hose. For this reason, the transport hoses should be raised at regular intervals depending on the distance to be covered and the fluidity of the material (see figure further).

GROUND LEVEL CONVEYING

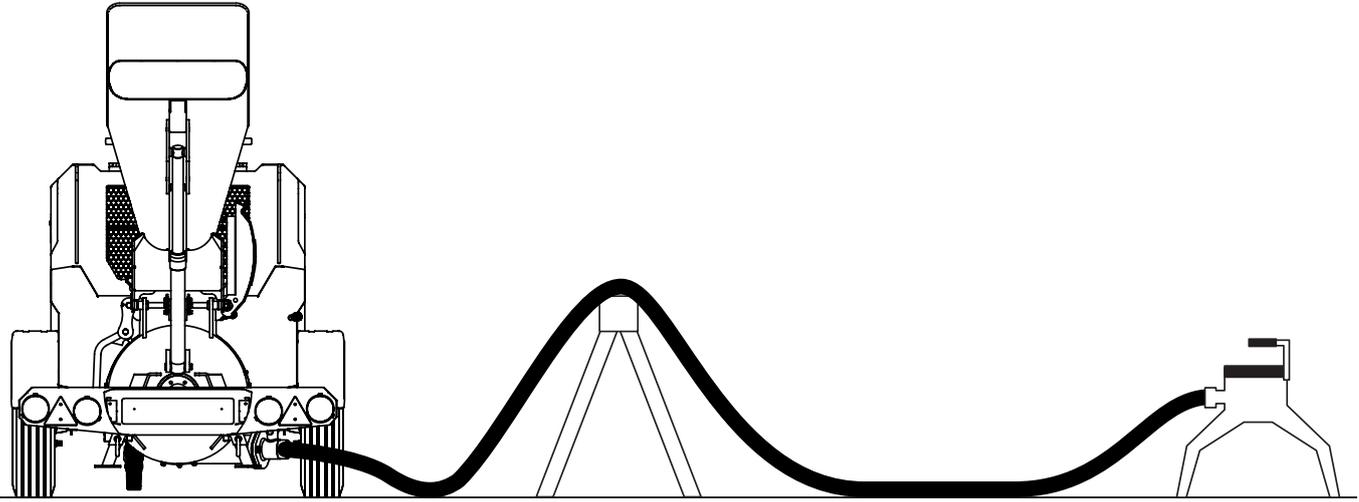
- Conveying at ground level, for example on the ground floor of the construction site, is also a rather difficult conveying situation. The optimum transport pressure is around 3 to 4 bar. For this reason, the conveying hoses must be raised at regular intervals depending on the distance to be covered and the fluidity of the product (see figure further).

5. OPERATION (continued)

5.6. APPROPRIATE CONVEYING PRESSURE (continued)

POSITIONING OF THE CONVEYING HOSES

- In addition to the pressure, the correct positioning of the conveying hose is of utmost importance for a perfect conveying of the product. Therefore, it is recommended that the conveying hose be raised immediately after the machine tank outlet. It is also advisable to raise the hoses every 15 to 20 metres on long, flat and undulating transport routes (see figure below).



END OF CONVEYING

- When the mixing tank is completely empty, the compressed air starts to flow freely through the conveying hose, which means that the conveying process is finished.
- When this process is finished, open the lid and start the next mixing process.

END OF WORK

- Check the manometer (25) on the control panel. If the pressure drops below 2 bar, the lever (X) can be pulled up. However, as mentioned before, the safety lever (Y) must be operated before opening the tank lid.

5.7. AUTOMATIC LUBRICATION

- The machine is equipped with an automatic lubrication device that allows greasing the lubrication points without the operator having to do it manually. This function is provided by a lubrication programmer integrated in the machine.

5. OPERATION (continued)

5.8. LOADING HOPPER (OPTIONAL)

- The loading hopper is an optional device for the mixing tank. It has two advantages:
 - It relieves the operator of some of his work.
 - It allows the preparation of a new screed mixture while a conveying process is in progress.
- The operation of this loading hopper is carried out by a hydraulic system on the machine. A hydraulic pump coupled to the diesel engine drives a hydraulic cylinder that raises or lowers the loading hopper by pressing the raise (20) or lower (19) buttons on the control panel.



The loading hopper only works when the machine is running.

5.9. SHOVEL (OPTIONAL)

- The hydraulically operated shovel system is used to carry the sand to the loading hopper, which is then poured into the mixing tank. The cable rewind control is located directly on the shovel.
- Shovel operation saves time and reduces operator fatigue.

REMOTE CONTROL

- The machine is controlled by the transmitter located on the hydraulically operated shovel.
- When the transmitter button is activated, the pulley rewinds the cable and the shovel moves towards the machine.
- The hydraulic motor on which the cable drum pulley is located has a free direction of rotation, so the shovel can be removed without difficulty.
- If the signal is lost, or if the LED on the transmitter does not light up, change the batteries in the transmitter (2 AA batteries are required).

MAKING AN EMERGENCY CABLE

- An electrical cable can be made to connect the transmitter directly to the power supply in the event of a malfunction of the receiver, due to interference or any other cause.
- The cable to be used must have the following characteristics: 3x1 mm², and must be assembled by connecting the brown wire to PIN 1 of the connector, the blue wire to PIN 2 and the earth wire to PIN 3, matching the numbers at both ends of the cable and with the corresponding numbering.

5. OPERATION (continued)

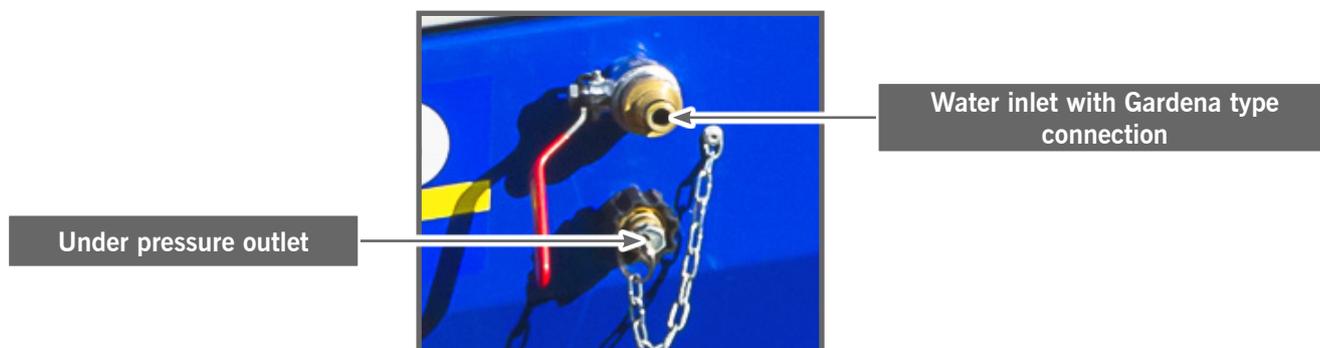
5.10. HIGH PRESSURE WASHER PREREQUISITES

- Control is carried out by the HP WASHER selector (18).
- The high pressure cleaner kit includes:
 - the quick coupler for connecting the water supply
 - the 10 m pressure hose, the gun and the lance
- Before switching on the washer, check that the water supply hose as well as the pressure hose and the complete lance are connected.



It is essential for the proper functioning and longevity of the washer that it never operates without water. Therefore, before starting the washer, it is imperative to open the water supply valve of the supply source and check that there are no knots in the supply hose.

HOSES CONNECTION :



Remember to clean the suction filter very regularly (at least once a week) to avoid cavitation of the pump. The filter is located just behind the water inlet connection.

5. OPERATION (continued)

5.11. HIGH PRESSURE WASHER STARTING UP



Always wear the appropriate personal protective equipment (goggles, gloves, etc.) so as not to injure yourself during cleaning.



This cleaner is dedicated exclusively to the cleaning of the machine.

- Move the washer starting switch to the right position.
- Press the trigger of the cleaning lance and clean the machine.

ONCE THE CLEANING IS COMPLETE:

- Move the washer starting switch to the left position.
- Turn off the water supply at the source and disconnect the supply hose.
- Press the gun on the cleaning lance to release the residual pressure in the high pressure hose.
- Disconnect the high pressure hose.
- Clean the filter behind the water inlet quick coupling.

5.12. WORK FINALISATION

CLEANING THE MACHINE

- Pay particular attention to cleaning and clean the machine daily to avoid the formation of deposits that could affect the operation of important components.



Check all fuel, engine oil and hydraulic oil lines for leaks, chafing points or damage. If necessary, repair any damage before working on the machine.

- Clean the machine with water using a brush or a high pressure washer.



When using a high-pressure washer, protect sensitive components from moisture: engine, electrical components, air filters, control devices, etc.

- Do not use aggressive detergents or diesel fuels for cleaning and use only lint-free cleaning cloths.
- Do not use flammable or caustic solvents as they may damage parts of the machine.

5. OPERATION (continued)

5.12. WORK FINALISATION (continued)

CLEANING THE MIXING TANK AND TRANSPORT HOSES

- Lift the protective grid of the tank and open it completely.
- Clean the interior of the tank with plenty of water until no material remains.



Pay particular attention to the ends of the tank. It is important to avoid the accumulation of dirt on the joints of the mixing shaft so as not to damage them or cause damage to the machine.

- Place the product outlet tripod in an area where the dirty water can drain away.
- Close the lid of the tank and start the machine so that the dirty water flows through the hoses and out the tripod.



Hold the tripod firmly during this operation as mortar residue, water and air under pressure are ejected.

- To finish cleaning the hoses, use the cleaning balls supplied with the machine. Disconnect the hose, insert the ball into the product outlet of the mixing tank and reconnect the hose. Then start the machine and wait for the ball to emerge at the other end. Repeat this operation until clean water comes out of the hose.
- Disconnect the air inlet and outlet hoses from the mixing tank and clean them with water.



For this operation, make sure that there is no pressure left in the air hoses.

5. OPERATION (continued)

5.13. MALFUNCTIONS IN THE CONVEYING OF MATERIAL

MATERIAL IS NOT BEING CONVEYED

If the material is not being conveyed through the hose :

1. Close the air inlet and outlet valves (6A) and (6B), to prevent unnecessary compressed air flow in the hose.
2. Switch off the machine.
3. Eliminate the cause of the problem (unsuitable product consistency, blockage in the hose, etc.).

CLOG IN THE CONVEYING HOSE

A clog in the hose blocks the escape of compressed air. The manometer in the mixing tank indicates a pressure of 7 to 8 bar.



DO NOT OPEN THE TANK LID.

The tank and hoses are safe because they can withstand a higher burst pressure than indicated above.

1. To detect the location of the blockage, tap the hose.
2. Once you have identified the clog, move the hose sharply back and forth. In most cases this will be sufficient to remove the blockage.
3. If the blockage persists, turn off the air with valves (6A) and (6B) and open the mixing tank.



Wear protective glasses and clothing to avoid injury to the user from splashing material.

4. Wait until the manometer of the tank indicates 0 bar.
5. Only then open the conveying hose at the blocked area and remove the plug.

CAUSES OF BLOCKAGES

Clogs can occur for various reasons:

- Additional material with a low percentage of coarse grain in the mixture ingredients.
- Conveying hoses with too small a nominal diameter. Only use hoses that are suitable for the grain size of the material.
- Too high a percentage of binder in the mixture ingredients: here too, hoses with a larger nominal diameter should be used.



If material comes into contact with the eyes despite wearing protective glasses, immediately rinse the eyes with plenty of cold water.
Hydraulic aggregates are aggressive and can damage the eyes. Consult a specialist immediately.

5. FONCTIONNEMENT (suite)

5.14. MALFUNCTIONS IN ROAD TRANSPORT

POTENTIAL FAULTS IN THE BRAKING MECHANISM

Defect	To check	Remedy
The braking effect is too weak.	The drawbar retracts completely during braking.	Readjust the brake pads.
	The brake pads are not yet worn.	The problem stops after a few brake applications.
	The brake pads are worn.	Change the brake pad set.
	Excessive pressure loss in the brake mechanism. Corrosion on the drawbar.	Have the mechanics checked by a specialist workshop.
Difficulties when driving in reverse.	The brake system is set too rigidly.	Have the brake system adjusted by a specialist workshop.
Overheating of the brakes.	The brake system is incorrectly adjusted.	Have the brake system adjusted by a specialist workshop.

5.15. OPERATION IN WINTER



In geographical areas with low temperatures, the work is more difficult.

The machine operates properly down to 0 °C. If the temperature falls below freezing, observe the following instructions:

- Prepare the site and the material to be conveyed correctly.
- Do not use frozen material.

PREPARING THE MACHINE

- Use fuel with a low temperature additive.
- Use engine oil with a viscosity suitable for the outside temperature.
- In case of extreme temperatures, it is recommended to remove the battery at night and store it in a warm place.
- In the case of batteries that are not maintenance-free, ensure that the acid level is correct.

6. MAINTENANCE

6.1. SAFETY INSTRUCTIONS FOR MAINTENANCE AND REPAIR



Maintenance and repair work may only be carried out by qualified staff.

- Maintenance of the machine must be carried out with the hopper at rest, at ground level and always with the machine switched off.
- If maintenance or repair work is to be carried out with the hopper in the raised position, it must be attached to a fixed point on the machine with a chain so that it is immobile and cannot be lowered accidentally.
- Use appropriate tools for maintenance and repair work.
- Only use original EUROMAIR spare parts.

6.2. SAFETY INSTRUCTIONS FOR THE USE OF TOOLS



It is imperative to use the right tools for the work to be done. If used properly and in accordance with safety standards, many accidents can be avoided.

- Some jobs require special tools. The use of these tools saves time and prevents damage to machine parts.

6.3. SAFETY INSTRUCTIONS FOR THE MACHINE

- Never remove the safety devices.
- Never put your hands in the mixing tank while the machine is running.
- Before starting any work, make sure that no unauthorised person can start the machine.
- Grease the machine after each cleaning.
- Clean the lubricator and lubrication gun thoroughly before use, as dirt and sand in the bearings cause premature wear.
- Only use the lubricants indicated and never mix different products. Some greases are not compatible and the lubricating effect could be considerably reduced.
- Grease all moving parts not mentioned in the following chapter every six months.

6.4. SAFETY INSTRUCTIONS FOR THE BATTERY

- The electrolyte contained in the batteries is a sulphuric acid solution which has serious consequences if it comes into contact with the eyes and can cause skin burns.
- Never smoke near a battery that is being charged or has just been charged. Charging creates an explosive atmosphere and is therefore dangerous for the user for several hours.
- Never disconnect the battery while the machine is running. This can cause sparks.

6. MAINTENANCE (continued)

6.5. AUTOMATIC GREASING

The automatic central greasing system automatically lubricates the following points of the machine with the right amount of grease:

- The joints of the mixing shaft in the tank on the motor side.
- The rear support of the mixing shaft on the closed side.



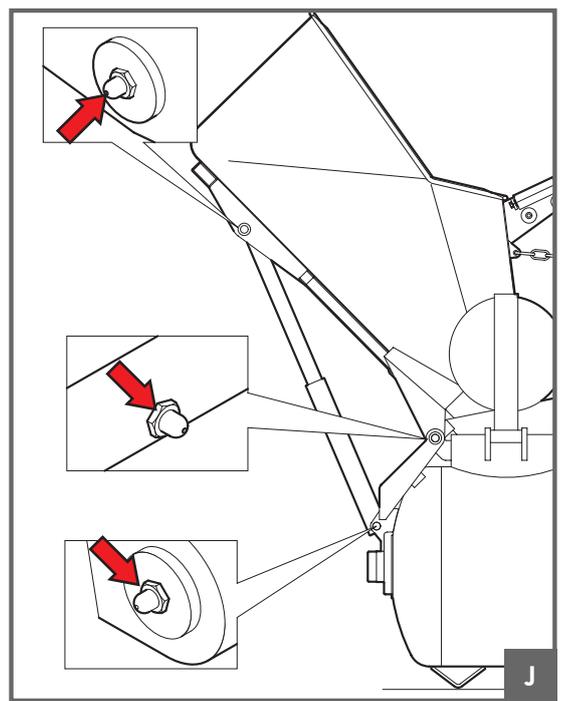
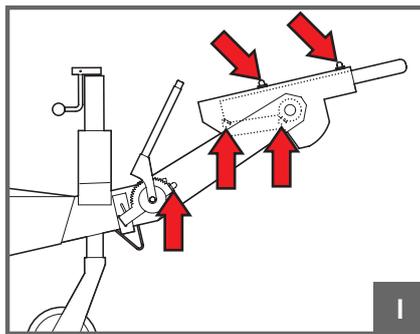
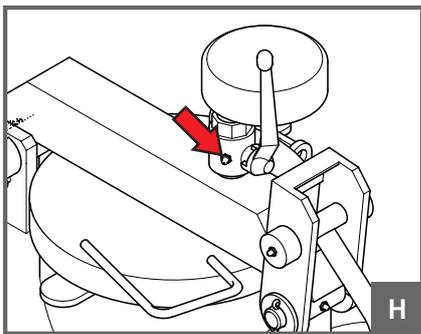
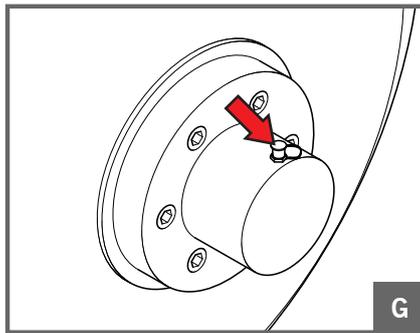
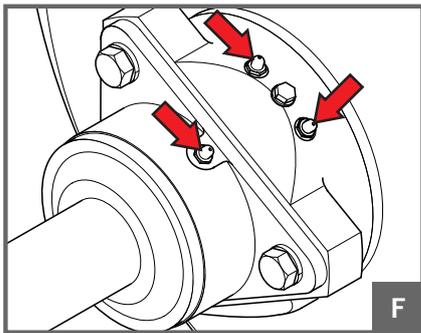
The front support of the mixing shaft should be greased once a month. The greasing point is located next to the grease reservoir of the central lubricator.

6.6. MANUAL GREASING POINTS

If the machine is not equipped with an automatic greasing device or if this one is defective, the following points must be greased.



Before applying the grease, clean the grease nipples thoroughly.
Apply the grease until it is visible.



DAILY

- Twice a day, grease the seals and the bearing of the mixing shaft (F) and (G) with the motor running.
- Once a day, grease the air release valve of the mixing tank lid (H).

WEEKLY

- Machine with optional loading hopper: grease the manual grease points on the hopper lifting cylinder (J).

EVERY SIX MONTHS

- Grease the drawbar and hand brake (I).

6. MAINTENANCE (continued)

6.7. PREVENTIVE MAINTENANCE

- The following table shows the actions to be taken for periodic maintenance of the engine and compressor.



It is essential to regenerate the machine's engine when it requires it. It is advisable to carry out this regeneration operation while the machine is running. The operation will be quicker and will have no impact on use.



For any work on the diesel engine, refer to the maintenance manual of the manufacturer.



- Wear and replacement of some parts may occur more often than indicated depending on the type of work and the environment in which the machine operates. This table is therefore intended as a guide.
- It is recommended to keep a record of all maintenance operations and replacement of parts carried out on the machine.



**If in doubt about any maintenance operation, do not carry it out!
Contact an approved after-sales service or our hotline: +33 4 42 29 08 96.**

6. MAINTENANCE (continued)

6.7. PREVENTIVE MAINTENANCE (continued)

Interval in hours of use or by periods, whichever comes first.	Hours	8	50	500	1000	2000	5000	8000	20000
	Period	Daily	Weekly	3 months	6 months	1 year	2 years	4 years	10 years
COMPRESSOR									
Check oil level		x							
Clean intake filters		x							
Check dashboard gauges		x							
Check fuel level		x							
Check the radiator cleanliness			x						
Check oil filter					x				
Check separator filter					x				
Change the oil					x ⁽¹⁾		x ⁽¹⁾		
Replace oil filter					x				
Check safety devices						x			
Replace inlet filter						x			
Replace separator filter						x			
Clean radiator							x		
Check control system							x		
Replace ventilator belt							x ⁽²⁾		
Replace nylon hoses and fittings							x		
General overhaul								x	
Replace hydraulic hoses and lines							x		
Replace bearings									x ⁽³⁾
Grease the ventilator shaft supports				x					

(1) The first oil and oil filter change should be carried out after 250 hours.

(2) In bad working conditions, the belt should be changed earlier.

(3) It is recommended to check the condition of the bearings (ultrasonic preventive maintenance or similar) at regular intervals.

Interval in hours of use or by periods, whichever comes first.	Hours	8	50	500	1000	2000	5000	8000	20000
	Period	Daily	Weekly	3 months	6 months	1 year	2 years	4 years	10 years
MOTOR⁽⁴⁾									
Check the oil level		x							
Check the fuel filter		x							
Check oil pressure during operation		x							
Clean and drain the fuel tank			x						
Check battery electrolyte level			x						
Clean coils and terminals			x						
Consult the engine manual				x					

(4) These indications refer to the most important engine maintenance operations. For any work on the motor, consult the manual supplied with this one first.

Some substances must be recycled. There are specialised waste disposal companies for this purpose.

6. MAINTENANCE (continued)

6.8. MAINTENANCE OF THE MOTOR-COMPRESSOR UNIT

OVERVIEW

- Check the general condition of screws, bodywork, supports, dashboard, electrical connections, etc.
- Check that there are no leaks in the circuits.
- Check that the fan is in good condition (no broken blades) and that the oil cooler is clean and free of cracks.

SAFETY VALVE CHECK

- The valve must be checked **at least once a year by authorised staff**.

COMPRESSOR OIL CHANGE

- The compressor oil and oil filter should be changed for the first time after 250 hours of operation.
- Oil and filter change intervals are indicated for normal suction conditions.
- When changing the oil, ensure that the oil circuit is completely drained.
- The oil filter must also be changed when the oil is changed for the first time.
- If used at pressures above 10 bar or at oil temperatures above 100°C, oil life will be reduced.



For used oil, always comply with the applicable regulations on the disposal of pollutants.

6. MAINTENANCE (continued)

6.8. MAINTENANCE OF THE MOTOR-COMPRESSOR UNIT (continued)

CHANGING AND REFILLING OIL

- After stopping the machine and releasing pressure from the circuit, remove the tank filling cap and the lower radiator cap.
- Remove the lower plugs and drain off the used oil. Check that there are no metal residues or impurities.
- Carefully tighten all the drain plugs and fill the tank to the maximum level.



Take care not to exceed this level, as overfilling will cause oil to back up and the equipment to malfunction.

- Replace and tighten the filling plugs.
- Check that they are correctly tightened and that there are no leaks.
- The radiator fills automatically when the machine is started.

- It is advisable to drain the water from the oil tank periodically. To do so, the machine should be stopped for about 3 hours. After this time, loosen the plug at the bottom of the tank and let the remaining water to drain out.

- The interval between oil changes depends largely on working conditions (ambient temperature, humidity, workload, etc.). As a guide, this interval can be estimated at 500 hours.



If the operation is carried out just after the machine has been used, the oil may be at a high temperature.



If any oil is spilt on the ground during the oil change operation, take great care when cleaning up to avoid possible falls.

ENGINE OIL CHANGE



Refer to the engine operating manual for recommended viscosity and oil change intervals.

6. MAINTENANCE (continued)

6.8. MAINTENANCE OF THE MOTOR-COMPRESSOR UNIT (continued)

MOTOR AND/OR COMPRESSOR SUCTION FILTER

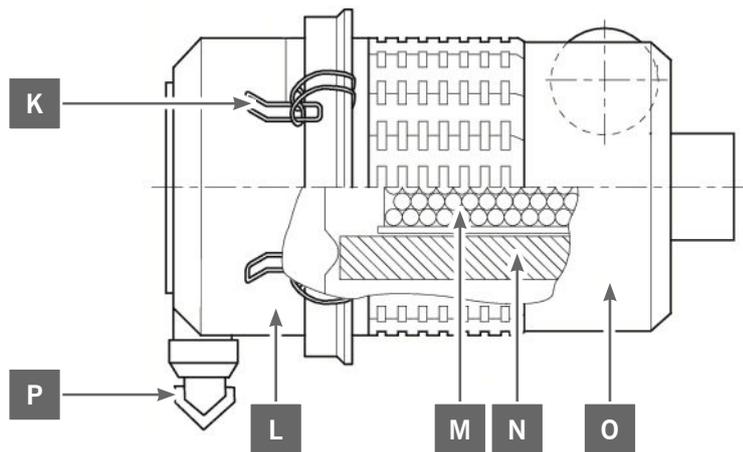
- It is essential for the life of the compressor and motor that as few foreign particles as possible enter the compressor and motor.
- To limit dust, it is therefore essential to keep the intake air filter element in perfect condition. Check, clean and renew the cartridge at regular intervals, depending on the machine's working conditions and environment.

CLEANING PROCEDURE

- This operation should be carried out daily, or even more often if working conditions are very dusty. In this case, check the air filter indicator light.



Never start the engine without the air filter in place. Do not continue to use the machine if the air filters are damaged.



- Before installation, new parts must be checked for cracks or holes.
- If part (N) is damaged, discard it.
- If the safety cartridge (M) is dirty, this means that the filter is not working properly. In this case, the filter and safety cartridge must be replaced.
- The safety cartridge cannot be cleaned and reused.

CLEANING THE DUST COLLECTOR

- To remove dust from the dust collector (L), press the dust removal valve (P) several times.

REPLACING THE FILTER

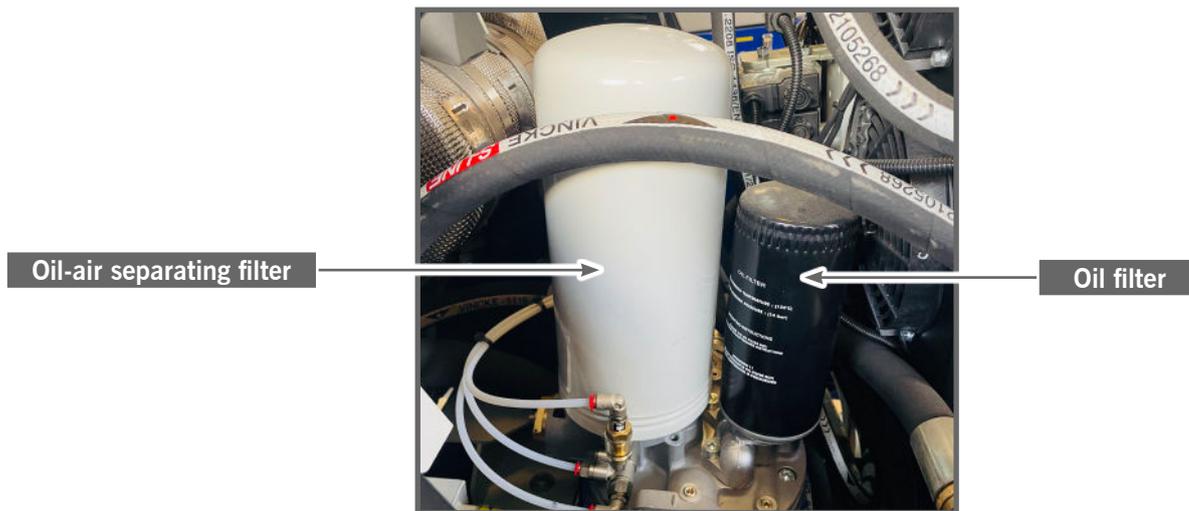
- Loosen the spring clips (K), remove the dust collector (L) and clean it.
- Remove the filter unit (N) from the housing (O).
- Reassemble the parts in reverse order.
- Check and tighten all air inlet ducts.

6. MAINTENANCE (continued)

6.8. MAINTENANCE OF THE MOTOR-COMPRESSOR UNIT (continued)

OIL-AIR SEPARATING FILTER

- This vital component considerably reduces the amount of oil in the air circuit. As a result, there is barely any oil in the air.
- The oil collected by the separator is then collected and injected back into the compressor.



OIL FILTER

- For the machine to operate correctly, there must be a sufficient quantity of oil in the compressor. As this quantity depends on the injection pressure, it is essential that the pressure drop in the oil circuit and filter is as low as possible.

AIR AND OIL RADIATOR

- Keeping the radiator clean, inside and out, is essential to ensure its efficiency. A radiator in poor condition can impair the smooth running of the machine.
- After stopping and depressurising the machine, open the radiator volute and blow out any impurities with compressed air.
- Depending on the conditions and frequency of use of the machine, repeat this operation more frequently.

6. MAINTENANCE (continued)

6.9. ADDITIONAL MAINTENANCE

EVERY 8 WORKING HOURS OR EVERY DAY

Before starting work:

- Check that hoses and couplings are in perfect condition.
- Check diesel engine oil level.
- Check compressor oil level.
- Check fuel quantity.
- Automatic greasing system: check that there is enough grease in the tank.

During operation:

- Check that the automatic lubrication system is working properly.
- Check fuel quantity.

When work is over:

- Clean the machine thoroughly. Thorough cleaning after each operation will considerably extend the machine's life.
- Check that hoses, couplings and belts are not defective or worn.
- Check air filter clogging indicators.

Before setting off :

- Check that the lighting bar is working.
- Check that the bonnet is properly closed.
- Check the brakes and towing facilities.
- After 50 km, retighten the wheel nuts.

If the optional hopper and shovel are equipped:

- *Check that the hopper is securely fastened using the locking device provided.*
- *Check that the shovel is firmly attached to the hopper.*

6. MAINTENANCE (continued)

6.9. ADDITIONAL MAINTENANCE (continued)

EVERY 50 WORKING HOURS OR EVERY WEEK

Carry out the maintenance operations described previously, as well as the following:

- Check the automatic greasing system: make sure there is enough grease in the reservoir.
- Grease the machine at the greasing points (draught, shafts, valves, etc.).
- Check the condition of the air inlet and outlet pipes.
- Clean or replace non-return valves if necessary.
- Check the air filter and clean it if necessary.
- Check tyre pressure.
- Check the condition of the blades and tank wear plates and replace if necessary.
- Replace engine oil and oil filter.
- Replace the fuel filter.
- Check air, oil and diesel circuits for leaks and repair or replace defective parts.
- Check nuts and retighten if necessary, especially those on the wheels.

If the optional hopper is equipped:

- *Replace the hydraulic oil filter in the hopper system.*

EVERY 500 WORKING HOURS OR EVERY 6 MONTHS

Carry out the maintenance operations described previously, as well as the following:

- Check the battery and its connections.
- Clean radiator (interior).
- Replace belts (alternator, fan).
- Replace upper and lower air non-return valves if necessary.
- Check wear plates and blades on tank mixer and replace if necessary.
- Clean the diesel tank filter.
- Replace PVC fuel filter.
- Check wheel bearing.
- Replace tank lid gasket.
- Replace air filters and inner cartridges.

6. MAINTENANCE (continued)

6.9. ADDITIONAL MAINTENANCE (continued)

EVERY 1000 WORKING HOURS OR EVERY YEAR

Carry out the maintenance operations described previously, as well as the following:

- Change gearbox oil (3 litres SAE 90).
- Check the compressor safety valve.
- Check that the mixing tank and compressor oil separator reservoir are in perfect condition.
- Replace the compressor oil separator filter.
- Adjust the engine valve clearance.

If the optional hopper and shovel are equipped:

- *Replace the hydraulic tank return filter.*

LIGHTING

- Check the operation of the lighting equipment before setting off. Replace defective bulbs immediately.

TYRES AND CHASSIS

- If the machine is to be stationary for an extended period, it is advisable to lift it on chocks to take the strain off the tyres and prevent them from deforming.
- Grease all moving parts of the chassis.



After changing tyres or on a new machine, it is advisable to retighten the wheel nuts after the machine has been moving for a few metres.

7. LUBRICANTS

DIESEL ENGINE OIL

- Viscosity: **SAE 10W40 - E679/SAPS/CJ4.**
- First fill: **approx. 9 L.**
- Following fills with filter change: **approx. 8,5 L.**

GEAR OIL

- Viscosity: **SAE 90.**
- Quantity: **approx. 5 L.**

COMPRESSOR HYDRAULIC OIL

- Viscosity: **ISO HLP 46 or VG46.**
- First fill: **approx. 14 L.**
- Following fills with filter change: **approx. 10 L.**

HYDRAULIC TANK OIL

- Viscosity: **ISO HLP 46 or VG46.**
- First fill: **approx. 48 L.**

LUBRICATING GREASE

- Lithium grease KL



Never mix different types of oil or grease! This can impair their effectiveness.



Used oil is harmful to the machine. With good quality oil, the machine will work better and last longer.

8. DEFECTS AND REMEDIES

n°	Defects	Causes	Remedies
1	The lights on the control panel do not light up when the main contact is switched on.	Faulty fuses.	Replace them with new ones.
		Battery disconnected.	The battery terminal may be disconnected, broken or sulphated.
		Battery discharged.	Recharge the battery.
2	The lights light up, but the machine does not start.	Air in diesel circuit.	A safety device prevents starting. Drain the circuit.
3	The suction unit does not charge when the solenoid valve is activated.	Suction closed.	Check for air leaks in the control circuit.
			Manually check whether the suction flap is blocked.
			Suction element blocked. Replace suction element.
4	High compressor oil consumption.	Clogged or broken separator filter.	Replace separator filter.
		Excess oil in the tank.	Check oil level (cold) and drain to correct level.
		Excess oil in particle separator. Particle filter clogged.	Fine particle discharge line blocked, dismantle and clean. If excessively clogged, replace with a new one.
		Leaks in oil circuit.	Check the circuit and repair any leaks.
		Working at low pressure.	Increase working pressure.
5	Oil leaks from the intake filter when the motor-pump unit is stopped.	Non-return valve on suction element does not close.	Replace suction element.
6	Safety valve activated due to excess pressure. The pressure exceeds the working pressure and the machine does not run at idle.	Incorrect regulation setting.	Check and readjust.
		Suction cylinder blocked.	Dismantle cylinder, check for blockages and replace if necessary.
		Air valve blocked.	Replace with a new one.
		Pressure regulator incorrectly set.	Adjust correctly.
7	When the engine is running at idle, some of the air is still being pumped into the mixing tank.	Intake manifold does not close completely.	Check that it closes properly, replace if necessary. Act on the adjustment screw.
8	After running at idle, the motor-pump unit does not return to load.	Suction cylinder clogged.	Dismantle the cylinder and check for clogging, replace if necessary.
		Solenoid valve on suction unit faulty.	Replace solenoid valve.

8. DEFECTS AND REMEDIES (continued)

n°	Defects	Causes	Remedies
9	The working pressure falls below the system's nominal value.	More air is required than the compressor can supply.	Check operation, check and correct any leaks in the system.
		The motor speed indicated in the specifications has not been reached.	Readjust the setting.
		The suction filter is blocked.	Clean or replace filter.
		Compressor suction does not open.	See points 3 and 4 of this table.
		Separator filter clogged.	
		Air leaks from separator tank.	Check and correct any leaks in the safety valve or pressure hoses.
10	The pump-motor unit stops working after a certain time.	Some safety devices have been activated.	Check and correct the fault in accordance with the previous points.
		No other apparent reason.	In any case and in case of doubt, consult the EUROMAIR technical service.
11	Oil in suspension mixed with air.	Oil leak with air inside tank.	Check and/or replace the oil filter.
			Check for any obstruction in the hose or calibrated orifice and for leaks in the oil circuit.
			Low oil level. Fill with the compressor stopped and WITHOUT PRESSURE.
		Poor system cooling.	Clean the radiator.
			Oil damaged, replace it with the compressor stopped and WITHOUT PRESSURE.
		Working position of machine too inclined.	Correct position by levelling the machine.
Blocked air inlet to the machine and/or recirculation of hot air.	Position the machine so that the cold air inlet is not obstructed and avoid any recirculation of hot air to the cold air inlet.		

9. VOLUME SCHEME

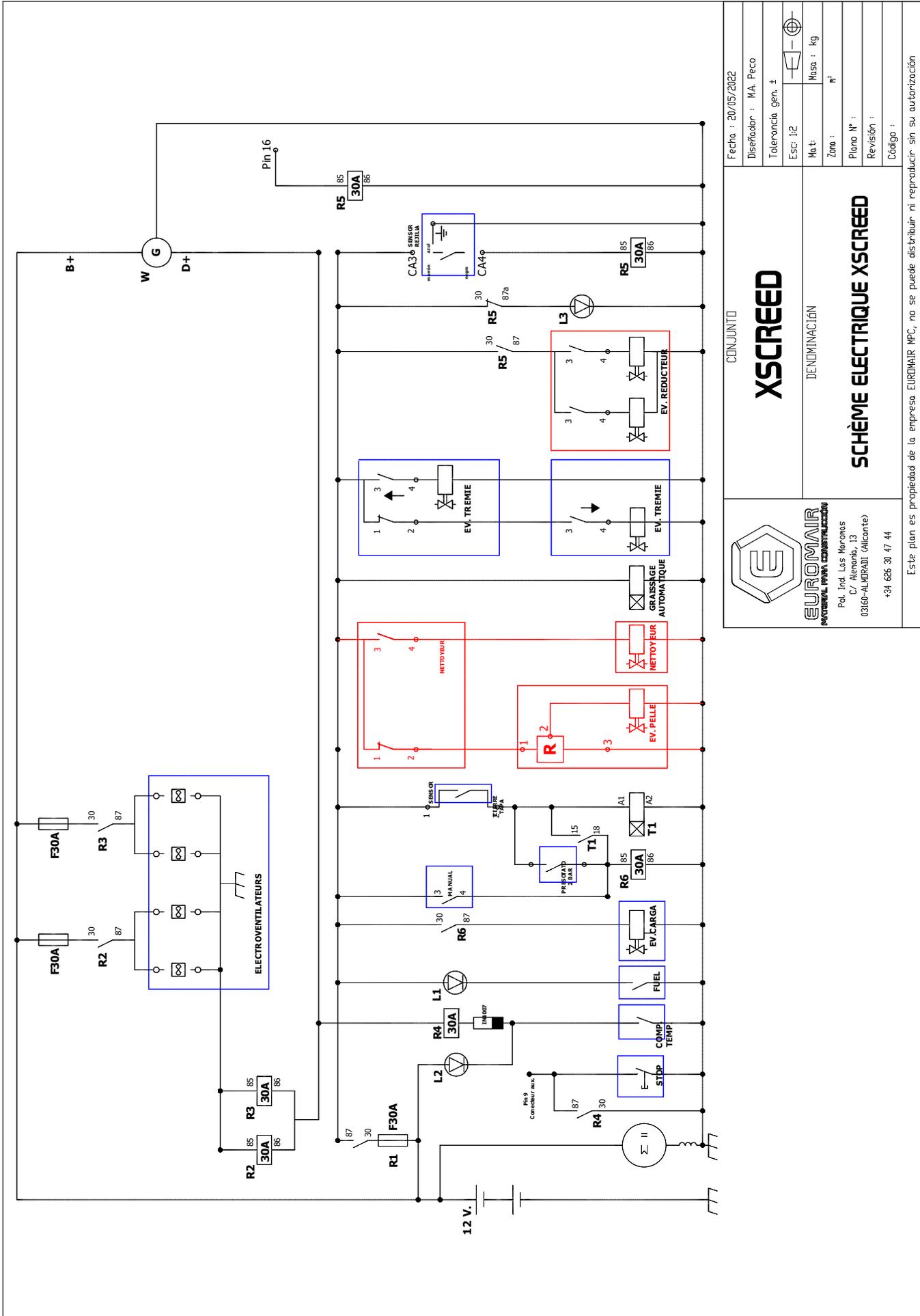
Version "basique" (malaxeur seul)

Version "premium" (frémie + kit pelle et treuil)

REV	DESCRIPTION	DATE REVISION
B	<p>EUROPE PROJECTION 228 avenue Olivier Perroy - 13790 ROUSSET Tel 04.42.29.08.96 / Fax 04.42.53.44.36</p> <p>ENSEMBLE X-SCREED-PRO</p> <p>DESIGNATION ENCOMBREMENT</p>	<p>Date : 29/11/2021 Destinataire : J. VIALA Tolérance générale ± Ech: 1:30 Mat: Surface : 72,78m² Masse : 11 66, Kg</p> <p>N° plan : 33023 Révision : B Code article : -</p>

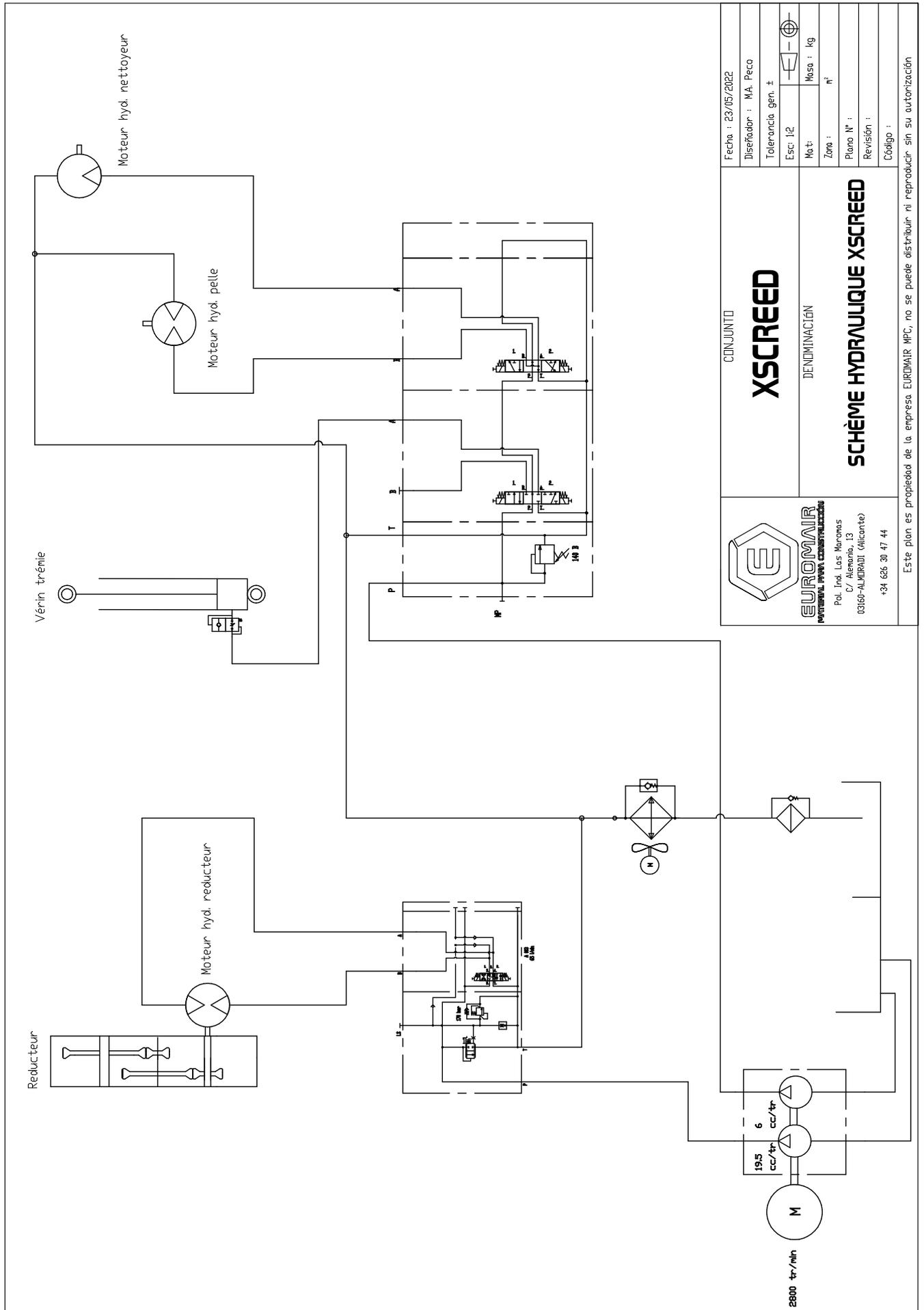
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10. ELECTRICAL SCHEME



CONJUNTO	
XSCREED	
DENOMINACIÓN	
SCHEME ELECTRIQUE XSCREED	
 EUROMAIR <small>GENERAL CONTRACTOR</small>	Fecha : 20/05/2022 Diseñador : MA. Peco Tolerancia gen. ± Esc: 1:2 Ma t: Masa : kg Zona : n° Plano N° : Revisión : Código :
Este plan es propiedad de la empresa EUROMAIR MPC, no se puede distribuir ni reproducir sin su autorización	

11. HYDRAULIC SCHEME



Fecha : 23/05/2022	
Diseñador : MA. Peco	
Tolerancia gen. ±	
Esc: 1:2	Masa : kg
Mdt:	nr
Zona :	
Plano N° :	
Revisión :	
Código :	

CONJUNTO

X-SCREED

DENOMINACIÓN

SCHEMA HYDRAULIQUE X-SCREED

EUROMAIR
HYDRAULIC PUMPS CONSTRUCTION

Poi. Ind. Las Moras
C/ Almorio, 13
03160-ALIBADÍ (Alicante)
+34 626 30 47 44

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12. DECLARATION OF CONFORMITY

THE MANUFACTURER : EUROPE PROJECTION
228, avenue Olivier Perroy
13790 ROUSSET

DECLARES THAT THE EQUIPMENT DESIGNATED BELOW:

Trademark: EUROPE PROJECTION

Type: Screed machine

Model: X-SCREED D60

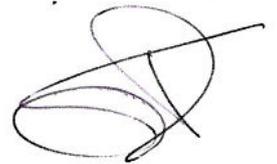
COMPLIES WITH THE DIRECTIVES:

- Machines 2006/42/CE
- Low voltage 2014/35/UE
- CEM 2014/30/UE
- ROHS 2011/65/UE
- Noise emissions 2005/88/CE

This machine was the object of a road homologation (**e2*2018/858*00033*00**). As such, it must be registered and can be thus dragged normally on the road network.

ROUSSET, JANUARY 20th 2023

Patrick BOREL
President



EUROPE PROJECTION - 228, avenue Olivier Perroy 13790 ROUSSET
Tél : +33 (0)4 42 29 08 96 – Fax : +33 (0)4 42 53 44 36

SAS au capital de 400 000 € - RCS Aix-en-Provence B 394 961 510 - NAF 2892 Z - Intracom : FR 54 394 961 510

13. WARRANTY CONDITIONS

Each equipment is delivered inspected and tested.

We exclude any warranty for visible defects, not notified by the customer within 48 hours.

The equipment sold is guaranteed during the manufacturer's warranty from the date of purchase, as specified on the original proof of purchase, and under the conditions defined by the manufacturer.

This warranty covers any equipment against any manufacturing or material defect, under normal conditions of use. Insofar as the customer is presumed to be a professional of the same field of specialty, this warranty covers only the defect of conception of the equipment rendering it unfit for its use, which could not be detected by a professional buyer.

The defects or deteriorations caused by natural wear, external accident or a modification, use, storage or treatment of the equipment not planned by the manufacturer, nor specified by ourselves, are excluded from any warranty.

Are expressly excluded from the warranty the defects resulting from an improper use, the application of abrasive or corrosive products, an inappropriate installation, the negligence, an insufficient maintenance or cleaning, inappropriate conditions of storage, chemical, electronical or electric influences, any change in the normal process of use.

The following wearing parts are not covered by the warranty (non-exhaustive list): rotors, stators, driving shafts, connecting rods, seals, cleaning balls, spray guns, lance, nozzle, hose, needle kits, cylinders, piston rods, prime/spray valve assy, seal kits, membranes, suction and delivery valves, carding machine vanes, filters, oils, chains and quick-release clip.

The warranty also excludes the equipment on which the serial number was erased or made illegible, on which unauthorized people made attempts of repair, which were totally or partially dismantled.

Our equipment are covered by a manufacturer's warranty (parts and labor) of 12 months following the purchase date by the final customer, without exceeding 24 months from the date of purchase by the client.

This manufacturer's warranty shall automatically cease if the customer does not resell the equipment within 24 months of its purchase. The cases of exclusion of warranty mentioned in articles above are also applicable to our own equipment.

The manufacturer's warranty shall always be subject to the presentation of the purchase invoice.

If the defective equipment is covered by the manufacturer's warranty, it shall be repaired or replaced at our discretion free of charge.

If the defective equipment is not covered by the manufacturer's warranty, we shall issue a quote for the repair that we shall submit to the customer for approval.

Except as otherwise required by law, this manufacturer's warranty is exclusive of all other warranties, including the statutory warranty of hidden defects.

In case of intervention of our services on a breakdown caused by the customer or an incident excluded in the conditions referred to above, the costs of repair and transport shall be invoiced to the customer.

We exclude all liability for indirect damages suffered by the customer, such as, but not limited to, loss of income, turnover, loss of profits, loss of image, of any kind whatever.

13. WARRANTY CONDITIONS (continued)

In all cases, our liability shall be limited to the amount paid by the customer for non-compliant equipment.

Any legal action of the customer against us relating to the warranty of the equipment shall be barred 1 year after the date of discovery of the defect. The customer shall have to prove the date of this discovery.

Request for Warranty

For any request related to the repair of an equipment covered by the manufacturer's warranty, the customer shall have to fill the warranty form, available on our website, under After-Sale Service.

For a full dossier, the following documents shall have to be attached:

- the purchase invoice of the final user
- pictures of the defective parts of the equipment
- a description of the breakdown
- the quote of labor if the customer is certified by EUROMAIR for repairing the equipment

No invoice of labor shall be taken into account without our prior approval.

Analysis of the breakdown by our technical department

A file number shall be given to the customer and an answer shall be provided within 48 working hours after reception, provided that the request for warranty is considered as full.

In the event the equipment is covered by the manufacturer's warranty, we shall confirm the warranty to the customer and send him a quote (without price) detailing the parts to be changed and any comments.

Return of replacement parts

Replacement parts must be ordered with a warranty agreement number and will be made available to the customer at our factory.

The conditions of return of the equipment are detailed in our Delivery terms.

In the case of a warranty claim on an on-board component such as a Kohler, Honda or Vanguard engine in a machine manufactured by us, only the manufacturer of the component is able to validate the warranty coverage.

In this case, the request must be addressed directly to the manufacturer of the component or to its nearest authorised representative. The Euromair, Euromair MPC or Mixer service centres may be considered as the manufacturer's representatives if they are the closest. As this principle also applies to batteries, our supplier Parts Holding Europe, or one of its sister companies, remains your contact for your requests (<https://www.partsholdingeurope.com/>).

14. FOLLOW-UP OF REVISIONS

The verifications to be made are indicated in paragraph 6. MAINTENANCE.



The recommendations given in this manual are indicative and are not a substitute for those recommended by the engine manufacturer.

For any intervention on the engine, consult the maintenance manual supplied with the machine.

		Date	Signature	Stamp
Hours of operation	50 hours			
	250 hours			
	500 hours			
	750 hours			
	1000 hours			

EUROPRO

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SAS au capital de 400 000 € - RCS Aix-en-Provence B 394 961 510 - NAF 2892 Z - Intracom : FR 54 394 961 510

More information on www.euromair.com