

# EUROPRO 150TH-V



EAU CARBURANT  
FUEL LEVEL

# EUROPRO

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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# 1. USER MANUAL

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## 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

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### 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, remember to turn off the machine.



- 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.
- 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.



- Always wear adequate body protections (glasses, gloves, overall and mask) and pay attention to long hair.



- Maintain the equipment carefully and clean it properly after every use.
- 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.



## 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.
- In case of installation of the machine on scaffolding or a plan above ground level, attach the machine to avoid any fall while operating.
- Do not install the equipment on an inclined surface to avoid the risks of unexpected moves or falls.
- Do not use in a confined space.

#### 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.
- Do not use the hoses for other materials, especially at higher pressures.

#### STORAGE

- Keep the equipment in a clean and clear area in which the temperature does not exceed +35°C.
- After each use of the compressor, drain the tank to empty the water inside.

#### THERMAL ENGINE



Starting the engine produces sparks. The sparks can ignite nearby flammable gases. This could cause an explosion or fire.



**TOXIC GAS RISK.** The engine exhaust contains carbon monoxide, a poisonous gas that could kill you in a matter of minutes. It is **INVISIBLE** and **ODOURLESS**. Even if you do not inhale exhaust, you are still at risk of breathing in carbon monoxide. If you begin to feel ill, dizzy or faint when using this machine, turn the engine off and get fresh air **IMMEDIATELY**. Seek medical attention. You may be suffering from carbon monoxide poisoning.



Gasoline and its vapors are extremely flammable and explosive. A fire or explosion can cause serious injury or death.

#### BATTERY



Contains sulphuric acid.  
Risk of chemical skin burns and corrosion.



In case of contact with eyes, rinse immediately.  
Consult an ophthalmologist.

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

## 2. WARNING (continued)

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### 2.2. FUEL RECOMMENDATIONS

**The fuel must comply the following criteria:**

- Unleaded, clean and fresh petrol.
- Minimum octane rating of 87/87 AKI (91 RON). For use at high altitudes, see below.
- Gasoline containing up to 10% ethanol (carburol) is acceptable.

**NOTICE** Do not use unapproved gasoline such as E15 or E85. Do not mix oil with petrol or modify the engine to run on alternative fuels. This will damage the engine and is not covered by the warranty.

To prevent the fuel intake system from gumming up, mix a stabiliser with the fuel. All fuels are not the same. If you experience starting difficulties or operating problems, change the supplier or change the brand of fuel. This engine is certified to run on gasoline. The emission control system for this engine is EM (Engine Modifications).

#### High altitude

At altitudes above 5,000 feet (1,524 meters), gasoline of at least 85 octane/85 AKI (89 RON) is acceptable. To maintain emission characteristics, a special high altitude setting is required. Operating the engine without this adjustment will result in reduced performance, increased fuel consumption and higher emissions. Contact an Authorized Briggs & Stratton Service Dealer for more information on the high altitude setting. Operating the engine below 2500 feet (762 meters) with the high altitude kit is not recommended. For Electronic Fuel Injection (EFI) engines, the high altitude setting is not required.

#### When refuelling

- Stop the engine and allow it to cool for at least 2 minutes before removing the fuel cap.
- Fill the fuel tank outside or in an extremely well ventilated area.
- Do not overfill the fuel tank. To allow the fuel to expand, do not fill beyond the bottom of the filler neck.
- Keep fuel away from sparks, open flames, pilot lights, heat and other sources of ignition.
- Regularly check hoses, tank, cap and tank fittings for cracks and leaks. Replace if necessary.
- If fuel has been spilled, wait for it to evaporate completely before starting the engine.

1. Clean the area around the fuel cap of dust and debris. Remove the fuel cap.
2. Fill the fuel tank with fuel. To allow for fuel expansion, do not fill beyond the bottom of the filler neck.
3. Replace the fuel cap.

### 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.

## 3. YOUR MACHINE

### 3.1. DESCRIPTION

EUROPRO 150TH-V is a powerful screw compressor designed for intensive use on all types of jobs. Equipped with a petrol engine, it operates with unleaded fuel.

Its ergonomic design, its 4 folding arms and its 4 slinging points make it a practical compressor to use and transport, without removing anything of its power.

The two air outlets with quick-connect half-coupling allow two devices to be connected at the same time.

#### TO USE WITH

Spraying machine, sandblaster, slurry & paint spray-gun, pneumatic tools...



**Do not use the compressor for food or medical applications.**

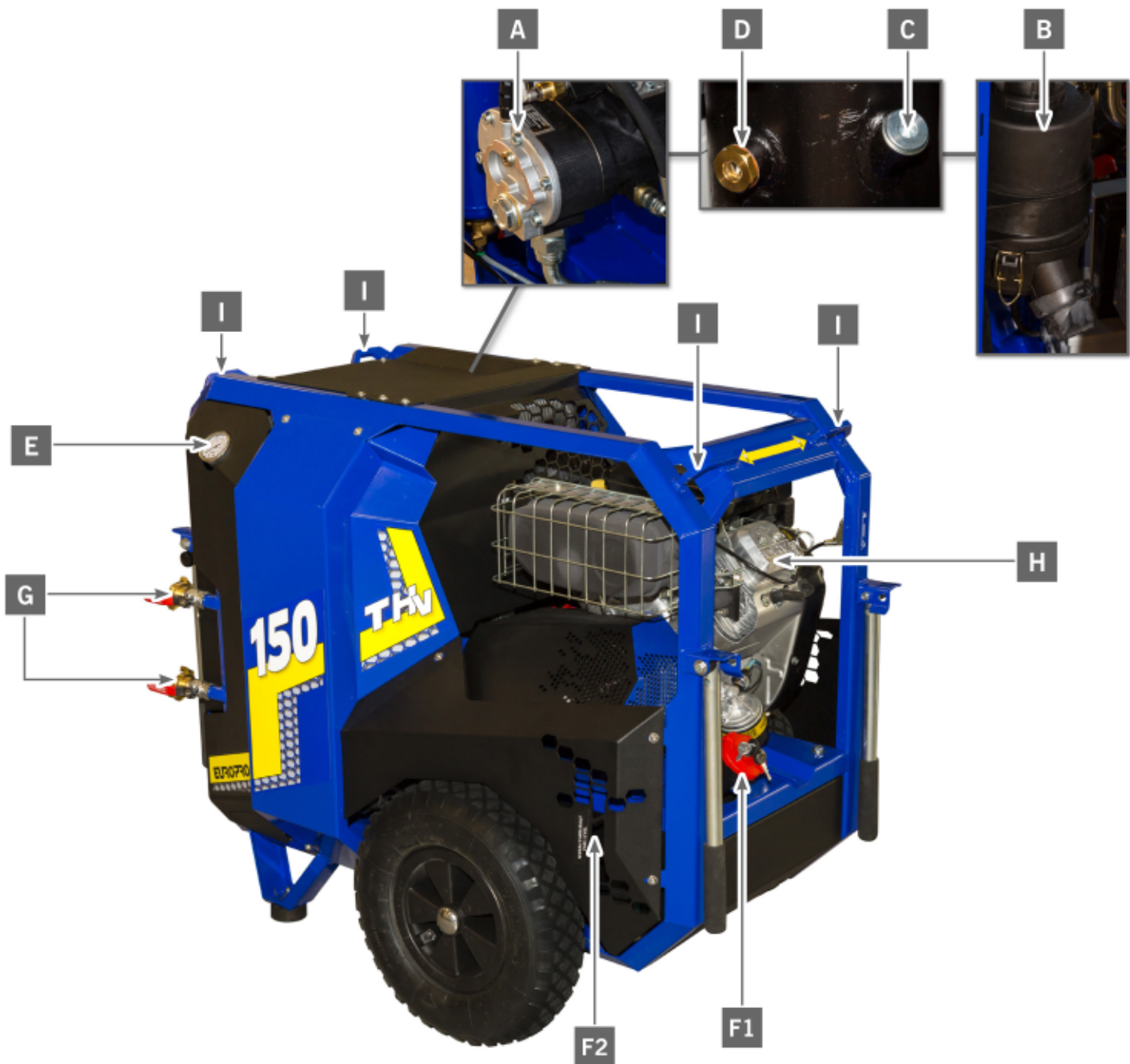
**In some applications, the addition of an air dryer and/or oil separator may be necessary.**

### 3.2. TECHNICAL CHARACTERISTICS

Screw rotation speed	6800 tr/min
Restituted air flow-rate at 6 bar	1500 L/min (90 m <sup>3</sup> /h)
Quantity of compressor oil	4 L
Motor power	11,9 kW
Transmission	by belt
Engine	Vanguard twin-cylinder
Fuel used	unleaded 98
Fuel consumption	4,2 L/h
Fuel tank capacity	24 L
Safety valve	yes
Air reservoir	3,5 L
Maximum pressure	8 bar
Air coupling	quick-connect half-coupling
Dimensions (L x w x h)	110 x 74 x 91 cm
Weight	220 kg
Noise level	101 Lwa

## 3. YOUR MACHINE (continued)

### 3.3. IDENTIFICATION OF THE COMPONENTS

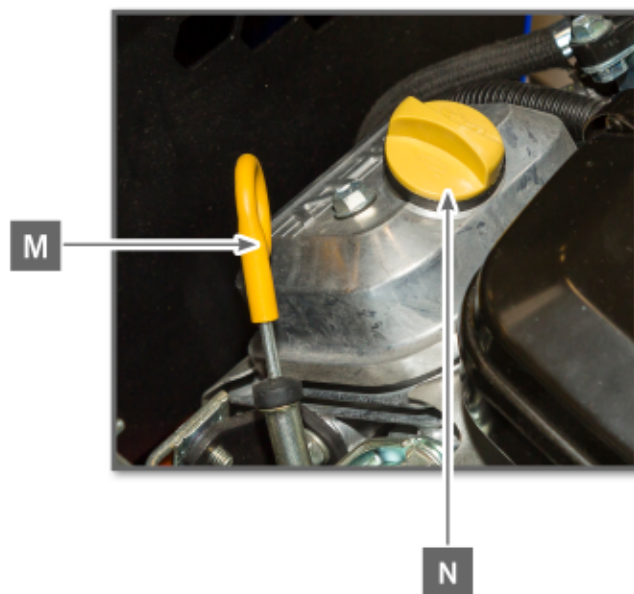
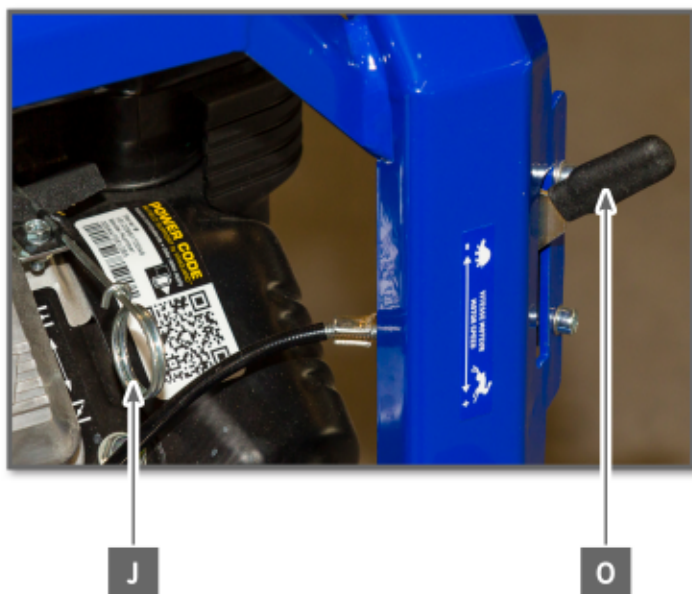


A	Compression head
B	Air filter
C	Oil tank cap for compression head
D	Oil level eye for compression head
E	Tank pressure manometer
F	Fuel tank
G	Air outlet connections
H	Engine
I	Slings points



## 3. YOUR MACHINE (continued)

### 3.3. IDENTIFICATION OF THE COMPONENTS (continued)



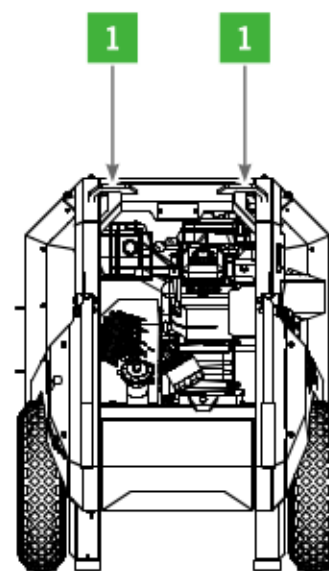
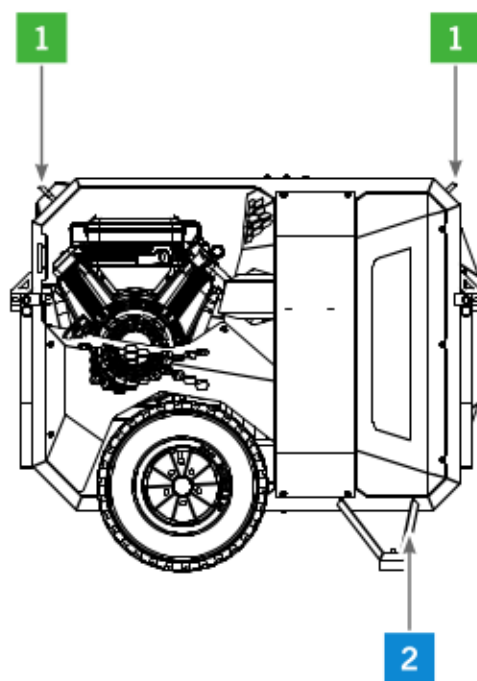
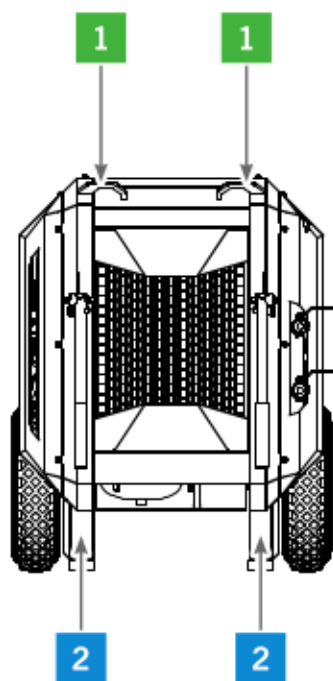
J	Starter
K	Launcher
L	Engine start key
M	Engine oil level gauge
N	Engine oil filling cap
O	Engine accelerator

### 3. YOUR MACHINE (continued)

#### 3.4. COMPRESSOR HANDLING, DOCKING AND LIFTING

1 Lifting points

2 Docking points



## 4. USE OF THE MACHINE

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### 4.1. PREREQUISITES

- Before each use of the compressor, check the fuel level in the tank (F) and refill if necessary.
- Check the oil level in the engine using the dipstick (M).  
**If necessary, fill with 15W40 oil until the MAX level is reached.**
- Check the oil level in the compression head with the eye (D).  
**If necessary, fill with screw compressor oil until the middle of the eye (D) is reached.**  
**Run the engine for about 10 minutes, then let the compressor stand for 30 minutes and repeat the operation until the oil level reaches the centre of the eye.**
- Open the air valve (G) to prevent the pressure in the tank from increasing.

### 4.2. STARTING UP

1. Turn on the starter (J).
2. Switch the ignition key (L) to the ON position.
3. Move the throttle lever (O) to half position.



**Never leave the ignition switched on without starting the compressor, as this may drain the battery.**

4. After a few seconds remove the starter and close the air valve (G).
5. Connect the coupled equipment (spraying machine, etc...) to the valve (G) and open it.
6. The compressor is ready for use.

### 4.3. STOPPING OF THE COMPRESSOR

1. Close the valve (G) and drain the air in the hose.
2. Disconnect the equipment connected to the compressor.
3. Turn the key (L) to the OFF position to switch off the compressor.

## 5. DEFECTS AND REMEDIES

Defects	Causes	Remedies
<ul style="list-style-type: none"><li>Compressor doesn't gain pressure.</li></ul>	<ul style="list-style-type: none"><li>Clogged filter.</li><li>Drain open.</li><li>Air leakage.</li></ul>	<ul style="list-style-type: none"><li>Replace the filters.</li><li>Screw back in or replace purge.</li><li>Check for leaks.</li><li>Contact the After-Sales Service.</li></ul>
<ul style="list-style-type: none"><li>Engine rumbles but won't start.</li></ul>	<ul style="list-style-type: none"><li>Lack of oil.</li></ul>	<ul style="list-style-type: none"><li>Check the oil level.</li></ul>
<ul style="list-style-type: none"><li>Compressor loses pressure.</li></ul>	<ul style="list-style-type: none"><li>Suction filter clogged.</li><li>Low oil level.</li></ul>	<ul style="list-style-type: none"><li>Clean the filter or replace it if it is damaged.</li><li>Top up the oil level (oil for screw compressor, ref. 14681).</li></ul>



**In case of an unknown defect or a doubt on the good running of the machine, do not try to repair it by yourself or to dismantle it.**



## 6. AIR CIRCUIT MAINTENANCE

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### 6.1. EVERY 500 WORKING HOURS

#### Replacing air filter

Unclip the air filter (B) and replace it.

#### Belt tension

Check the belt tension using a measuring device. During installation and maintenance, it is recommended that the unit be rotated 3 times without load so that the belts have an even fit. The tension should be checked after 3 to 5 minutes of operation and readjusted to the correct value if necessary.

### 6.2. EVERY 2000 WORKING HOURS

#### Changing oil

Use screw compressor oil (ref. 14681).

- Replace the oil filter.
- Replace the oil separator.
- Replace the oil control valve.



Used oil must not be discharged into the environment or sewers, but to a specialised waste disposal service.



If the compressor is used intensively, repeat these operations more frequently.

## 7. MOTOR MAINTENANCE

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For maintenance of the thermal engine, refer to Vanguard's recommendations in the booklet supplied with the machine.

