



MMT HUNTER 35 hp

USER MANUAL

1. TECHNICAL SPECIFICATIONS

Technical Specifications	Explanations		
Chassis dimensions	Width	Length	Height
	160 cm	170 cm	180 cm
	Chassis base size: Width: 90 cm Length: 125 cm		
Device weight	430 kg (dry weight)		
Motor	Lombardini LDW 1404 35 HP (26 kW) 3600 d/d 4 cylindrical starter-chargeable		
Fuel	Diesel fuel		
Fuel tank capacity	22 Liters		
Fuel Consumption (avg.)	3-5 Liters /hour		
Micro-dosing system	VCL 2001 with ceramic check valve 0-1000 ml 12 V 2 PE tank with 5 lt capacity, with suction filter and level sensor		
Pump	Annovi reverberi RK 1520 7,5 HP (8,59 kW) (0-200 bars discharge: 15 L/min) Rpm: 1450		
Battery	12 V DC 72 Amps		
Pesticide tank capacity	400 L PE (polyethylene)		
Clean water tank (wash tank)	15 liters PE		
System wash tank capacity	60 liters PE		
Core spray system	ULV, mist blower, pulverizer		
Nozzle type	Lechler ceramic conic spray type (6 pcs)		
Pulverizer	Self-motorized power spray gun with spooling and unwinding, with 50 meters hose and barometer		
Applicable chemical formulation types	EC, EW, SC (for ULV and Mistblower) EC, EW, SC, ME, SE, MC, WP, WDG (For Pulverizer)		
Device noise level	90 dB (full throttle)		
Controller	Fan movement control with a joystick and remote control panel, ULV and Mist application control device, an on-off button with 5 m cable.		
ULV cap rotation range	Horizontal (Right and left) 350° max Vertical (Up and down) 75° max		
Compressor type	High-pitched snail fan, coupled with the motor from the left side		
Fan type	Centrifugal fan 500-112 high-pitch (blade count: 38)		

2. SAFETY

1. Do not allow unauthorized people to operate the mist blower to avoid injuries and breakdowns.
2. Stop the machine immediately and call an authorized person in case there is oil leakage, abnormal vibration; or the warning light indicators are on.
3. Mist blower works with diesel fuel. Turn the engine off before refueling and ensure the use of refined diesel fuel.
4. Never touch the running components of the mist blower during operation to avoid any fatal injuries. Turn the engine off before maintenance. Maintenance must be carried out by an authorized person. Take all necessary precautions in case of maintenance while the engine is running. Keep your hands, scarves, or hair away from the air intake port.
5. Exhaust gas contains toxic substances, therefore always use the machine outdoors. Never operate the machine indoors, ducts, cabins, and other enclosed spaces.
6. Keep the mist blower away from inflammables and caustic materials during operation.
7. The machine has its own engine cooling system. The engine may warm up in excess weather conditions. In such cases, stop the engine for a while time to cool off.
8. The machine cab and exhaust system may heat during operation. Avoid direct contact with the machine and take necessary precautions.
9. Mist blower noise may damage hearing. Wear earplugs to protect your ears during operation.
10. The fan system of the machine blows pressurized air. Avoid operation near the face or the animals.
11. Take necessary safety precautions when carrying the machine to transport vehicles. If the machine is to be operated on transport vehicles, it must be done after it has been installed.
12. Follow the chemical manufacturer's instructions and safety precautions when using any chemicals with the mist blower.
13. Prevent any fuel contact with your eyes, hands or clothing. Battery fluid contains diluted sulfuric acid and is caustic. In case of contact, wash with plenty of water.

WARNING! Modification on the machine is prohibited. Never set the engine or engine speed limiter screws (motor maximum speed limitation bolts, fuel quantity setting, etc.) by yourself. Any modifications to be performed on the machine other than the authorized service causes the expiry of the warranty.

3. OPERATING PRINCIPLE

MMT HUNTER Mist Blower-ULV – Pulverizer



The four-stroke air-cooled diesel engine moves the propeller of the snail fan. The pesticide solution is delivered to the spray nozzles by a pump driven by the diesel engine through the belt-pulley. The maximum operating pressure of the pump is 50 bars, and the pesticide flow rate can be adjusted from the nozzles. The ideal operating pressure was set at 20 bars.



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How to Operate & Use

1. Wait until the engine heating lamp turns off (approximately 20 seconds). Turn the switch key to the start position. Release the key when the engine starts. **Caution: Serious faults may occur if the key is kept in the continuous start position.**
2. Fill the main water tank with water.
3. Add the pesticide in the chemical tank. Make sure both tanks are filled. If necessary, fill the other tank with only water.
4. Turn on the dosing system. Adjust the dose according to the pesticide to be used.
5. Set the pump system main valve to the on position.
6. Raise the engine speed using the button.
7. Turn the spray button according to the selected spraying type (mist or ULV).
8. Adjust the fan direction (left and right) with the joystick.
9. When working at night, the application area can be illuminated with a headlamp.
10. Operate the warning lamp in all sprayings.
11. In case of an emergency, shut off the machine entirely using the emergency stop button on the electrical panel.
12. Turn off the ignition switch to stop the engine.

CAUTION

Valves should be cleaned, and the system should be set to the cleaning mode after each spraying.

Make sure that the water in the chemical tank is clean. Because the nozzles are very thin, dirty water may cause blockages.

The instructions on the label of the valves on the side of the chemical tank provide the information for the system to be easily operated.



Instead of ULV and Mist application, permanent surface applications can be done with a hose of 50 m length as a pulverizer. Pump pressure adjustment is not needed for this purpose. If necessary, the pump pressure can be reduced down to 20 bars. In the pulverizer system, hose spooling and unwinding is done quickly by an electric motor.



The fan system can rotate 350° in horizontal directions. Also, the fan is able to move vertically about 75°. In this way, the pesticide can be more effectively applied to the desired area.

