

MGV L125

ON ONE-AXLE TRAILER



AIR OUTPUT:

EFFECTIVE UP TO 1.000.000 m³/h
NOMINAL 220.000 m³/h

ENGINE:

**FORD 4-CYLINDER
IN-LINE ENGINE**
(GASOLINE OR DIESEL)

OPTIMAL FAN ADJUSTMENT:

**0,6 m LIFT, +/- 20° TILT,
200° ROTATION**



20 YEARS EXPERIENCE - WORLDWIDE IN SERVICE



MOBILE VENTILATION UNIT FOR VENTILATION OF LARGE STRUCTURES

For an effective ventilation of large industrial facilities, underground parking, high-rise buildings, airports, shopping centres or miles long tunnels – in tests at traffic tunnels, an air output up to 1.000.000 m³/h had been measured. Rescue and firefighting operations can be handled faster, safer and more efficient. Downtime of production in case of a fire in a manufacturing plant can be clearly reduced.

This ventilator with its powerful, reliable car engine is the ideal partner for every fire service who has to deal with fires or dangerous incidents in large structures.

POWERFUL

Nominal air output 220.000 m³/h. Depending on the constructional conditions it is possible to carry the multiple amount of air; up to 1.000.000 m³/h.

- UP TO 1.000.000 m³/h AIR OUTPUT
- 2.600 N THRUST
- TRUSTED, RELIABLE ENGINE

LIGHT-WEIGHT

The aerodynamic, clam-shell designed shroud is made with glass fibre reinforced plastics. The special designed propeller blades are made of carbon fibre reinforced plastics and allow a higher speed of the propeller.

Weight: **320 kg**

WELL-ENGINEERED ENGINE

The MGVL125 is driven by a toothed belt and a 4-cylinder in-line engine. Well-engineered car engines (gasoline or Diesel), manufactured in millions for highest reliability and low maintenance.

Engine: **Ford Duratec 1.6L VCT**

OPTIMAL FAN ADJUSTMENT

With the lift-rotation-tilt-device* it is possible to adjust the ventilator perfectly to the constructional conditions at scene of the operation, even if there are unfavourable situations for positioning and driving at the entrance opening. No blocking of escape routes and the fast and easy adjustment saves valuable time which would be lost by time consuming ranking of the MVU.



lift 0,6 m

positive tilt +20°

negative tilt -20°

rotation ± 100°



- 280 l/min (7 bar)
- UP TO 80 m

WATER MIST FOR AN EFFECTIVE COOLING

With the water mist system* it is possible to cool down objects and hold down toxic gases. The fine water mist has an excellent heat absorption capacity. The 14 nozzles are integrated in the stator for an optimal spread of water drops in the air stream. The water mist system provides safety for fire fighting operations and fire fighters.

EXTRACT AND DIRECTED VENTILATION

The ventilation hose system* allows to extract cooled down smoke and polluted air out of enclosed areas, basements, underground parking or other spaces with only one opening. The system consists of 2 adapters, which could be mounted on the pressure or intake side and in the standard package of four 6 m hoses (Ø 800 mm).

The extraction over a long distance is possible by just adding additional hoses.



OPERATED BY ONE PERSON

The colour TFT-display in the new remote control shows all relevant information: rpm, air output, power level, gas level, oil level, oil temperature, coolant temperature, coolant level, battery voltage, running hours, errors, motor diagnostics. It is possible to change languages and units.

All operations can be executed with fire fighting gloves by robust levers and switches.



LIGHTING

There are multiple lighting options* available. From a single LED-light to a light mast which can hold several LED-lights for an ideal, powerful lighting scene operation. There is no external power necessary. The battery for the lighting is charged by the MVU engine.



- EASY HANDLING
- TFT-DISPLAY
- LED-TECHNOLOGY
- UP TO 30.000 LUMEN

* optional

TECHNICAL DATA

MGV L125/105FII

Air output effective	up to 1.000.000 m ³ /h
Air output nominal	220.000 m ³ /h
Axial thrust	approx. 2.600 N
Max. air speed	50 m/s
Propeller	CFK, 6 blades
Propeller-Ø	1.250 mm
Shroud	fibre-glass reinforced plastics, clam-shell design with safety grills EN 294
Engine	Ford, 4-cyl.-4-stroke-gasoline engine, 1596 cm ³ , water cooled
Engine power / Torque	90 kW / 160 Nm
RPM of engine (at max. air output)	5.000 1/min
Drive mechanism	toothed belt (maintenance free)
RPM of propeller (at max. air output)	1.800 1/min
Tank capacity	45l
Running time	approx. 2 ¼ h
Weight (without tank)	320 kg
Dimensions (L x W x H)	1760 x 1600 x 1650 mm

WATER MIST SYSTEM*

Water output	approx. 280 l/min at 7 bar
Water drop size	approx. 220 µm
Coupling	country specific

LIFT-ROTATION-TILT-DEVICE*

Lift height	610 mm
Tilt angle	± 20°
Rotation angle	± 100°
Operation	hydraulic with foot pump o. 12V-hydraulic pump (rotation manually)

MGV L125/100FD* (DIESEL)

Engine	Ford, 4-cyl.-Diesel engine, 1560 cm ³ , water cooled
Engine power / Torque	80 kW / 230 Nm
RPM of engine (at max. air output)	3.600 1/min
Weight (without tank)	375 kg

ONE-AXLE TRAILER



	short version*	midsize version*	long version*
Platform (l x w)	2.600 x 1.560 mm	3.100 x 1.560 mm	3.350 x 2.000 mm
Dimensions (l x w)	4.000 - 4.250 x 2.070 mm	4.600 - 4.850 x 2.070 mm	5.000 - 5.400 x 2.070 mm
Height	max. 2.650 mm	max. 2.650 mm	max. 2.650 mm
Weight	700 - 1.250 kg	1.000 - 1.350 kg	1.200 - 1.500 kg
Gross vehicle weight	750 / 1.000 / 1.350 kg	max. 1.600 kg	max. 1.800 kg
Equipment	4 support devices, height adjustable drawbar with coupler ring and ball coupler (exchangeable), platform and mud guards with aluminum checker-plate rack for ventilation hose system equipment compartment		

* optional

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