

MVU-125 Lightweight Model

MVU

MOBILE VENTILATION UNIT

The newest addition to the Tempest Mobile Ventilation Unit product line is the MVU-125. Featuring a carbon fiber impeller blade and a 100hp Ford engine, the MVU-125 generates over 120,000 CFM in a lightweight and a compact package.

The MVU-125 is ideal for ventilation of high-rise buildings, tunnels, airport terminal buildings and other large commercial structures. The compact design allows it to be mounted onto a truck, trailer or skid for easy transportation.

The MVU-125 was developed to offer a lightweight more compact and economical solution to your high power air movement needs.



Skid Frame mounted in truck bed



Integrated Mist Nozzles



100hp Ford Engine

MVU Applications

Tunnels: Road tunnels, train tunnels, subway tunnels and underground utility tunnels.

Multi-Story Structures: High rise buildings, basement floors, parking structures.

Airport Facilities: Passenger terminals, large frame aircraft, freight warehouses.

Large Commercial Structures: Box stores, shopping malls, convention centers.

Mass Decontamination: Mass decon of personnel and equipment with the misting system.

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Overall Specifications

Weight of ventilator, engine and scissors lift	800 lbs.
Width of ventilator shroud	61 inches
Depth of ventilator and engine	68 inches
Total height above mounting platform	83 inches
Platform area required for 370 degree rotation	89" x 89"
Shroud Material	Fiber glass
Shroud Outside Diameter	61 inches

Ventilator Specifications

Impeller Material	Carbon Fiber
Impeller (blade) Diameter	48" (1,250mm)
Impeller RPM	2,100 RPM
Air Flow Rate	approx. 123,500 cfm
Axial Thrust Pressure	2,600 Pa(N)
Engine Make	Ford 4-cylinder
Cooling System	Water cooled
Engine Power	100 HP

Engine Specifications

Max. Engine RPM	6,000 RPM
Fuel Tank Capacity	13 gallons (3 hours run time)
Electric System	12 V

Scissors Lift Options

- 24" Scissors Platform with manual hydraulic cylinder
- 50" Scissors Platform with 12v hydraulic system

Rotation System Options

- Manual Rotation System, 370 degrees (not continuous)
- 12v Electric Rotation System, 370 degrees (not continuous)

Tilt Mechanism Options

- +30° Manual Tilt with manual hydraulic cylinder
- +/- 30° Electric Tilt, only available on truck mounted configuration.

Mounting Options

- Dual Axle Trailer with Storage Compartments
- Skid Frame for Mounting on Chassis

Misting System

- Integrated misting system with 14 nozzles
- Flow Rate: 70 gpm

Wireless Remote Control

- Allows operation of unit up to 100' away
- Full function wireless remote control



Trailer Mounted



Skid Mounted