



MVU-60
60" Mobile Ventilation Unit (MVU™)
Technical Data and Specifications

Overall Specifications

Total Height:	max. 2,700 mm (107 in.)
Total Width:	max. 2,400 mm (95 in.)
Total Length:	max. 5,000 mm (197 in.)
Total Weight:	max. 6,000 kg (13,200 pounds)

Blower Assembly

Shroud Diameter:	min. 1,500 mm (60 in.)
Shroud Material:	Steel
Impeller:	7-blades, aluminum

Blower Performance

Volume of air:	min. 200,000 m ³ /h (118,000 CFM)
Velocity of air stream:	min. 35 m/s (78 MPH)

Fan Adjustment

Scissors Lift:	min. 3,000 mm (118")
Tilt:	Up/Down 25-degrees
Rotation:	min. 360-degrees continuous

Diesel Engine

Power: min. 95 kW (128 hp)
Fuel tank: min 200 liters (55 gallons)
Operating Time: min. 8 hours

Hydraulic Control System

Tank Capacity: 20 gallons (72 liters)
Impeller Motor:

- Variable delivery pump
- 2,000 RPM
- 50 gallons/minute @ 2,900 psi (180 lpm @ 194 bar)

Fan Tilt Up/Down:

- Internal gear pump
- 1,000 RPM
- 3 gallons/minute @ 2,900 psi (11 lpm @ 194 bar)

Fan Rotation: 24V Electric Motor

Control Systems (Electric and Electric over Hydraulic)

Fixed Panel with controls:

- Engine/fan RPM
- Gauges for temperature/oil pressure
- Hydraulic control pressure
- Panel light
- Engine hour meter
- Emergency shut-down switch

Remote Control:

- Portable control box with cable
- Fan, start/stop
- Tilt, up/down
- Rotation, left/right
- Scissors, up/down
- Emergency shut-down switch

Body Work

- Silencer hood mounted over diesel engine, hydraulic pump, reservoir, and oil cooler with roll-up door for access to control panel.
- Service openings for engine.

Safety Features

- Emergency shut-down switch (entire system).
- Open grid steel fence running along both sides and end of the platform.
- Acoustic warning during lowering of fan unit.

MVU Options

1. Wireless Remote Control

Allows fan movements to be controlled via wireless remote control.

2. Water Mist System

Misting Ring:	1.5" diameter stainless steel, 8 nozzles
Flow Rate:	87 gallons/minute @ 100 psi (300 lpm @ 7 bar)
Reach:	130 feet
Droplet	Size: 200 microns
Supply:	Central duct system
Coupling:	1.5" house coupling with shut-off valve

4. Custom paint for fire department or military applications.

5. Truck, trailer or skid –mounted configurations.

The MVU can be mounted onto a truck, trailer, or skid. Customer must specify the type of truck, trailer, or skid hook system to be used. A price can be quoted to include the truck or trailer. Exact vehicle or trailer specifications must be submitted before a price quote can be provided.