

The MVU™ 48



MVU™ 48

Chicago Fire Department

Photographer Steve Redick

Photographer Steve Redick

The MVU™ 48 Description

The Tempest MVU™ 48 is a slightly scaled down version of our MVU™ 60, about 4,000 lbs (1,814 kg) lighter in fact. As the name implies, it showcases a still massive 48" (1.2 meters) seven (7) blade aluminum impeller and steel shroud. With its calculated 380,000 nominal CFM (659,604 m³/hr), the 48 is able to complete nearly any ventilation job in minutes, if not seconds; saving precious time, money, resources and possibly even lives. Although it's smaller than the 60, it sacrifices almost none of the performance to achieve its reduced weight and more compact size.

Like the MVU™ 60, all of the 48's mechanical actions, including the fan's blade rotation, are powered by a reliable hydraulic system. The hydraulic pressures are generated by its turbo charged Cummins Diesel engine, mounted under the MVU™'s silencer hood. Every MVU™ 48 is custom built by Tempest's team of engineers and fabricators.



MVU™ 48 Features

Like all of our MVU™ models, the 48 bolsters a number of standard and optional features, many of which are custom designed and built to your needs and requirements.

Standard Features

- Tilt System
+ 30° to - 30°
- Hydraulic System
Pump, Motor, Tank and Valves
- Turbo Charged Cummins Diesel Engine
110 HP (82 kW)
w/ Radiator
w/ 52 Gallon (197 Liter) Fuel Tank
- Electric Wiring
w/ 24V Battery
- Operating Panel
w/ Wired Remote Control
- Body for Engine and Hydraulic System
- Mounted on Base Frame
- Painted
(Standard Color is **Red**)



Standard Controls (Electric over Hydraulic)

Fixed Panel Controls

- Engine/Fan RPM
- Gauges for Temperature/Oil Pressure
- Hydraulic Control Pressure
- Panel Light
- Engine Hour Meter
- Emergency Shut-Down Switch

Wired or Wireless (Optional) Remote Controls

- Fan Action (Start/Stop)
- Fan Tilt (Up/Down)
- Fan Rotation (Left/Right)
- Scissor Lift (Up/Down)
- Emergency Stop Switch

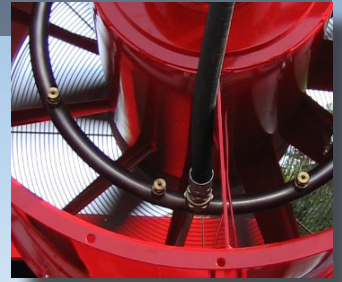
The MVU™ 48

Optional Features

The MVU™ 48 proudly offers a number of optionals in addition to its standard features that are designed to help you overcome any unique challenges you may face in your specific application. From ventilator lift, to rotation, to a high volume water misting system, these options give you the power to pick and choose exactly what you need to ensure you're properly equipped to ventilate effectively and efficiently.

Water Misting System

- Misting Ring: 1.5" diameter stainless steel, 8 nozzles
- Flow Rate: 87 gallons/min at 100 psi (300 l/m at 7 bar)
- Reach: 130 ft (40 m)
- Droplet Size: 200 microns (0.2 mm)
- Supply: Central Duct System
- Coupling: 1.5" house coupling with shut-off valve



(1) Ventilator Rotation (2 Options)

- Electric (24V) Rotation System (360° Continuous)
- Hydraulic Rotation System (180° x 2)

NOTE: Both rotation options are controlled via wired or wireless (optional) remote.

(2) Ventilator Scissor Lift

- 9.75' (3 m) Scissor Lift

NOTE: Controlled via wired or wireless (optional) remote.

(3) Wireless Remote Control

- Replaces the included wired remote control

(4) Mounting Configurations

- Tandem Axel Goose Neck Trailer
- Railcar
- Hook-Lift Skids (shown)
- Vehicle Chassis
- Other

NOTE: All mounting options can be provided and installed by Tempest.

Custom Unit Colors Available

- Standard Color is **Red**