

# TEMPEST

● *Fighting for performance*

## A POWERHOUSE OF OUR MOBILE VENTILATION LINE

380,000 OPEN AIR FLOW CFM (645,000 m<sup>3</sup>/hr)

## THE MVU<sup>®</sup>-48 MOBILE VENTILATION UNIT



The **TEMPEST** MVU<sup>®</sup>-48 is a slightly scaled down version of the MVU<sup>®</sup>-60, about 4,000 lbs (1,814 kg) lighter. As the name implies, it showcases a still massive 48" (1.2 meters) seven (7) blades aluminum impeller and steel shroud. With its calculated 380,000 nominal CFM (645,624 m<sup>3</sup>/hr), the 48 is able to complete any ventilation job in a few minutes saving precious time, money, resources and lives. Although it's smaller than the MVU<sup>®</sup>-60, it sacrifices almost none of the performance to achieve its reduced weight and more compact size.

Like the MVU<sup>®</sup>-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 engine, mounted under the MVU<sup>®</sup>'s silencer hood. Every MVU<sup>®</sup>-48 is custom built by our team of engineers and fabricators.

380,000 CFM

# THE MVU®-48

## MOBILE VENTILATION UNIT

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Model No.	Part No.	Description
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MVU-48	950-2001	Mobile Ventilation Unit with Hydraulic System, Tilt Device, with Wired Remote, with Engine
MVU-48	950-2013	Mobile Ventilation Unit with Hydraulic System, Tilt Device, with Wired Remote, without Engine - PTO Driven
MVU-48	950-2003	Hydraulic Lowering System
MVU-48	950-2004	Electric Rotation System (360°) Device
MVU-48	950-2005	Scissor Lift 9' 10" (3m)
MVU-48	950-2007	Water Misting System
MVU-48	950-2029	MVU®-48 Trailer - 20 Foot - with "Pintle" Hitch
MVU-48	950-7190	Flex Tube Ducting for Suction/Pressure - 48" x 10' Long, 4" Pitch, Yellow
MVU-48	950-7191	MVU®-48 Flex Tube Ducting Adapter

### OPTIONAL FEATURES

The MVU®-48-48 proudly offers a number of options 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.

### GENERAL SPECIFICATIONS

- Total Height: 95" (2.4 m)
- Total Width: 75" (1.9 m)
- Total Length: 177" (4.2 m)
- Total Weight: 8,800 lbs (4,000 kg)

### BLOWER (FAN) OUTPUT

#### Volume of Air:

- 130,000 Nominal Air Flow CFM (220,000 m<sup>3</sup>/hr)
- 380,000 Open Air Flow CFM (645,000 m<sup>3</sup>/hr)

#### Velocity of Air Stream:

- 78 - 94 MPH (31 - 42 m/s)

#### Impeller RPM (Max.): 1,450



### BLOWER (FAN) ASSEMBLY

- Shroud Diameter: 48" (1.2 m)
- Shroud Material: Steel
- Impeller: 7-Blades, Aluminum
- Drive: Hydraulic

### ENGINE

- Cummins Diesel or Caterpillar
- 110 HP (82 kW)
- 55 Gallon (208 Liter) Fuel Tank  
8 Hour Operating Time



### 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



### FIXED PANEL CONTROLS

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