

# Technical Specifications

## V-1039A Explosion-Proof Paging Horn

- One-way paging
- Quick and easy installation
- Built-in 7-Watt amplifier
- Omni-directional mounting bracket
- UL listed
- Includes V-1092 wall mount volume control
- Indoor/outdoor use



*Self-amplified one-way  
7-Watt*

### Description:

The V-1039A Explosion-Proof Paging Horn is a high-efficiency horn that is ideal for reproduction of voice and electronic signals in an explosive or flammable environment. The V-1039 Explosion-Proof Horn is UL listed approved for use in Class 1, Division 1, Group C & D and Gas Atmospheres. Common applications include grain mills, service stations and refineries.

## SPECIFICATIONS

### INPUT

Impedance: 600 Ohms (1 kHz at rated output)

### SOUND PRESSURE LEVELS

>115 dB at 4ft

### POWER REQUIREMENTS

Power supply: -24 Vdc nominal, positive ground

Operating current: 1 A at -24 Vdc

### FREQUENCY RESPONSE

250 Hz to 12 kHz

### AMPLIFIER MODULE

Rated output: 7-Watts RMS

Output load: 8 Ohms input

### DISPERSION

120° horizontal and 90° vertical

### ENVIRONMENT

Temperature: -4 to +131 °F (-20 to +55 °C)

Humidity: 0 to 95% non-condensing

### HOUSING AND FINISH

The horn is constructed of polycarbonate material. The driver is all metal construction with gray epoxy finish.

### DIMENSIONS AND WEIGHT

6.00in H x 14.00in W x 17.50in D  
(15.24cm x 35.56cm x 44.45cm)

Weight: 19.00lbs (8.55kg)

Shipping Weight: 24.00lbs (10.80kg)

### MOUNTING

Removable steel bracket

2022 Rev 7.20

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## ARCHITECTS AND ENGINEERS

The Explosion-Proof Horn, model V-1039A, shall be a high efficiency, reentrant horn consisting of a fiberglass projector, amplifier, a removable compression driver and mounting bracket.

The V-1039A Explosion-Proof Horn frequency response shall be 250 Hz to 12 kHz. Dispersion shall be 120° horizontal and 90° vertical. Sound pressure level shall be < 115 dB @ 4ft on axis.

The V-1039A Explosion-Proof Horn shall be equipped with a built-in amplifier. Amplifier output is 7 watts. Input impedance shall be 600 ohms nominal. The amplifier shall operate on a -24 Vdc, positive ground power supply. Operating current shall be 1.0 Amp at -24 Vdc. Operating temperature shall be -4 to 131 °F (-20 to 55 °C). Operating humidity shall be 0-95% noncondensing.

The V-1039A Explosion-Proof Horn bell housing shall be constructed of polycarbonate material. The driver shall be all metal construction with a gray epoxy finish. The adjustable mounting bracket shall be constructed of heavy duty steel that allows easy positioning in the vertical and horizontal planes. The V-1039A Explosion-Proof Paging Horn shall be suitable for indoor/outdoor applications.

The maximum dimensions shall be: 6.00in H x 14.00in W x 17.50in D (15.24cm x 35.56cm x 44.45cm). Weight shall be approximately: 19.00lbs (8.55kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).