

Technical Specification

FEATURES:

- FIBERGLASS HORN
- 30 WATT COMPRESSION DRIVER
- UL AND CSA APPROVED
- ALL METAL DRIVER
- HEAVY DUTY STEEL MOUNTING BRACKET



DESCRIPTION:

Used for high-efficiency reproduction of voice and electronic signals in an explosive or flammable environment. These explosion proof horns are UL and CSA approved for use in Class 1, Division 1, Group C & D and Gas Atmospheres. The horn includes a fiberglass projector, 30 watt driver, 70 volt transformer and mounting bracket. Common applications include grain mills, service stations and refineries.

Specifications:

SOUND PRESSURE LEVEL

109 dB 1 W, 1 kHz at 1 Meter on axis

LINE TRANSFORMER

70 V Input

TRANSFORMER TAPS

30, 15, 7.5, 3.7, 1.8 Watts

FREQUENCY RESPONSE

250 Hz to 12 kHz

DISPERSION

120° Horizontal and 60° Vertical

POWER INPUT TO DRIVER:

30 Watts Continuous

HOUSING AND FINISH:

This horn is molded of rigid fiber glass. The driver is all metal construction with gray epoxy finish.

ENVIRONMENT:

Temperature: -20 to + 55 °C (-35 to +131 °F)

Humidity: 0 - 85% Non-Precipitating

DIMENSIONS AND WEIGHT:

14" (35.56 cm) W x 6.0" (15.24 cm) H x 17.5" (44.45 cm) D

Weight: 14.75 lbs (6.64 kg)

MOUNTING:

Removable Steel Bracket

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ARCHITECTS' AND ENGINEERS

The Explosion Proof Horn, Model S-660A shall be a high efficiency, re-entrant explosion proof horn. It shall be equipped with a removable compression driver. A removable steel mounting bracket allows easy positioning in the vertical and horizontal planes.

The frequency response of the horn shall be 250 Hz to 12 kHz. The continuous power rating of the horn shall be 30 watts. Dispersion shall be 120° horizontal and 60° vertical. Sound pressure level with a 1 watt input shall be 109 dB @ 1 W, 1 kHz, 1 Meter on axis.

The explosion paging horn shall be equipped with a 70 volt transformer with volume level taps at 30, 15, 7.5, 3.7 and 1.8 watts.

The bell housing shall be molded of gray fiberglass. The driver shall be all metal construction with a gray epoxy finish.

Dimensions shall be 14" (35.56 cm) W x 6.0" (15.24 cm) H x 17.5" (44.45 cm) D. The weight shall be 14.75 lbs (6.64 kg).

Limited Warranty

Clarity warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Clarity indicates the validity of the claim,
2. the defect is not the result of damage, misuse, or negligence after the original shipment,
3. the product has not been in any way repaired by others and that factory sealed units are unopened. (A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Clarity are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs (*major repairs will be subject to additional charges for parts and labor*).

This warranty is in lieu of and excludes all other warranties expressed or implied, and in no event shall Clarity be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.