

## S-660A EXPLOSION PROOF 30 WATT PAGING HORN

### INTRODUCTION

The S-660A is a 30 Watt Explosion Proof Paging Horn for use with any Clarity Mixer Amplifier for interior as well as exterior paging applications.

The S-660A is a combination 25/70.7 Volt paging horn.

### SPECIFICATIONS

#### Horn

Power Ratings	30 Watts
Frequency Response	250-12KHz
SPL	108 1W @1 Meter
Dispersion	120° X 60°

#### Transformer

Power Ratings	70.7 Volts 30 Watts/ 25 Volts 15 Watts
Frequency Response	60 - 20 KHz ± 1.5dB
Insertion Loss	.5dB
Impedance Secondary	8 Ohms
Terminations	Solder Lugs

#### Impedance/Volt Ratings

Impedance Ω	70.7 Volts	25 Volts
2775	1.8	--
1350	3.7	--
666	7.5	--
333	15	1.8
167	30	3.7
89	--	7.5
45	--	15

### Features

- Combination 25/70.7 Volt Transformer
- All metal construction
- Grey baked epoxy finish
- 1/2 Conduit access
- Adjustable mounting bracket

### INSTALLATION

1. Carefully remove back cover of driver assembly.
  2. Install transformer using two (2) 8-32 machine screws on the back of the magnetic drive unit.
  3. Connect secondary transformer solder lugs to voice coil leads (lugs marked 8S and 0).
  4. Connect leads to appropriate transformer primary solder lugs as designated in Ratings Chart.
  5. Feed input leads through 1/2 conduit access hole into appropriate electrical box.
  6. Prior to reinstalling driver cover make certain that the joining surfaces are free of dirt. Tighten all cover bolts completely.
- NOTE:**  
*No compound of any type is applied on the machined surfaces.*
7. Remove the mounting bracket and mount using the appropriate hardware.
  8. Re-mount horn assembly to bracket.

**NOTE:**  
*Follow all applicable regulatory requirements for installation and cabling in Hazardous Environments.*

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## TECHNICAL ASSISTANCE

When trouble is reported, verify that AC power is being supplied to the unit and there are no shorts or grounds on cabling.

Assistance in troubleshooting is available from the factory. When calling, you should have a VOM available and be calling from the job site. Call (540) 427-3505 and ask for Technical Support or (540) 427-6000 for Clarity 24-hour Automated Support. Visit our website at <http://www.clarity-com.com>.

Clarity equipment is not field repairable. Clarity maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating company name, address, phone number, contact person, and the nature of the problem. Send the unit to:

*Clarity  
Repair and Return Dept.  
5614 Hollins Road  
Roanoke, VA 24019-5056*

### 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.

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