



TECHNICAL SPECIFICATIONS

BI-AXIAL PAGING HORN MODEL S-650

FEATURES:

PROFESSIONAL MUSIC AND VOICE QUALITY

STRUCTURAL FOAM HOUSING

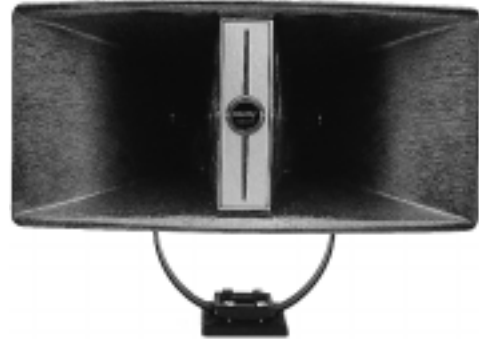
FULLY ADJUSTABLE BASE

ROTARY TAP SWITCH

WEATHER RESISTANT

SCREW TERMINAL CONNECTIONS

30 WATT COMPRESSION DRIVER



DESCRIPTION:

A vibration free foam bell and metal die cast housing Bi-Axial horn ideal for paging and sound reinforcement applications requiring a wide dispersion angle. Screwdriver connections provide secure connections for the speaker wires, and a 7 position selector switch provides 3 dB steps in the audio output level. The horn is finished in weather resistant black and gray.

SPECIFICATIONS:

SOUND PRESSURE LEVEL

113 dB at 1 Meter on Axis with 1 Watt Input at 1 kHz

POWER INPUT TO DRIVER

30 Watts Continuous

FREQUENCY RESPONSE

120 Hz to 14 kHz

DISPERSION

130° Horizontal and 60° Vertical

LINE TRANSFORMER

70 V Input; Tap Settings are

30, 15, 7.5, 3.7, 1.8 Watts

MOUNTING

Gimbal Mount Base with Steel Mounting Brackets

HOUSING AND FINISH

This horn is molded of vibration-free rigid structural material. The driver is all metal construction with gray epoxy finish.

DIMENSIONS AND WEIGHT

18.0" (45.72 cm) L x 20.0" (50.8 cm) W x 10.0" (25.40 cm) H

Weight: 14.75 lbs. (6.64 kg)

ENVIRONMENT

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

Humidity: 0-85% Non-Precipitating

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS MODEL S-650 30 WATT BI-AXIAL PAGING HORN

The bi-axial, 30 watt paging horn, Model S-650, shall be a weather-resistant, high efficiency re-entrant bi-axial (sectional) type horn speaker. It shall be equipped with a removable compression driver and gimble mount base. A removable steel mounting bracket allows easy positioning in the vertical and horizontal planes.

The frequency response of the horn shall be 120 Hz to 14 kHz. The continuous power rating of the horn shall be 30 watts. Dispersion shall be 13° horizontal and 60° vertical. Sound pressure level with a 1 watt input shall be 113 dB at 1 Meter on Axis with 1 watt input at 1 kHz.

The paging horn shall be capable of 70 volt operation and have a rotary tap switch to set the output level. The tap setting shall be 30, 15, 7.5, 3.7, and 1.8 watts.

The bell housing shall be a molded rigid structural material, black in color. The driver unit shall be all metal construction with a gray epoxy finish. The mounting base shall be constructed of steel. Dimensions shall be 18.0" (45.72 cm) L x 20.0" (50.8 cm) W x 10.0" (25.4 cm) H. Weight shall be approximately 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.