

## COMMERCIAL P.A. HORN SERIES

# HS - 12T

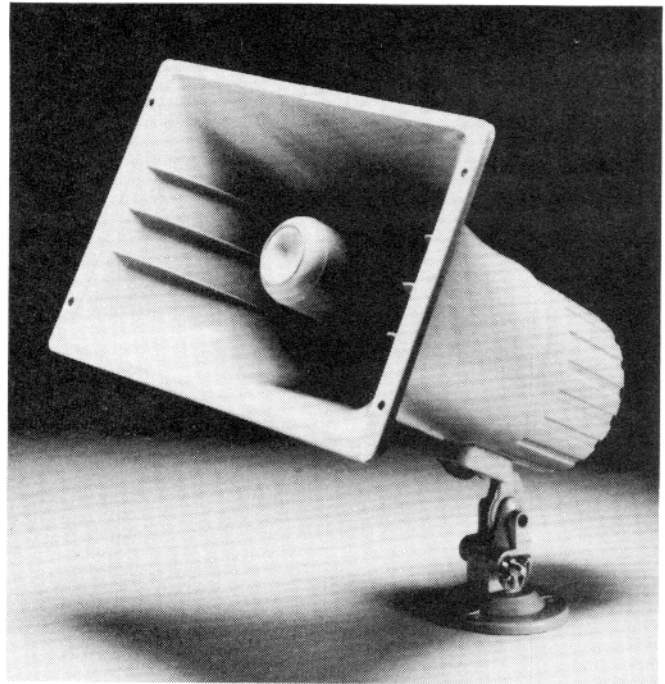
### GENERAL DESCRIPTION

The M&G\McBride HS - 12T is a high efficiency, indoor/outdoor paging horn designed for Public Address Systems to overcome ambient noise and provide a smooth intelligible response over a wide frequency range at mid level power inputs (to 32 watts of program material.).

Constructed from high impact tan ABS plastic, the HS -12T features a rugged one piece case for added strength and a corrosion free exterior. A fully adjustable metal swivel bracket is also provided for easy mounting at any attitude. The voice coil utilizes an aluminum former affording permanent coil bonding, improved heat dissipation and resistance to warping caused by temperature change, humidity and abuse.

The HS -12T features a built in 70/25 volt line matching transformer with a screw selector switch that allows quick selection of the proper line voltage and power requirement (see McBride Tech Specs for primary tap wattages).

All metal parts are plated or painted to provide protection against corrosion.



### ARCHITECTURAL SPECIFICATIONS

The M&G\McBride HS-12T 6-1/2 x 11 inch paging horn shall be a permanent magnet, resin impregnated cone type using a 10.0 ounce Hi-density isotropic ceramic magnet producing a minimum gap flux density of 12000 Gauss. The voice coil former shall be of high temperature aluminum construction and be 1-5/16 inches in diameter. Sensitivity shall be such that a sound pressure level of 120 db. (@ 1000 Hz. on axis) at a distance of one meter is produced with an input of one watt. The power handling capacity shall be 32 watts (70 volt) and 15 watts (25 volt) of program material. The voice coil shall have a nominal impedance of 8 ohms. The primary taps at 25 volts shall be 2, 4, 7.5, and 15 watts. The primary taps at 70 volts shall be 2, 4, 8, 16, and 32 watts. The screw selector switch shall be mounted on the back of the case and provide access to all primary taps. A direct 8 ohm hook-up shall also be provided. Maximum height shall be 6-5/8 inches and the maximum depth shall be 9-11/16 inches. Maximum width shall be 11.0 inches (all measurements not including mounting bracket). Overall weight shall be 3-3/4 pounds. The hook-up lead shall be 15 inches in length and be colour coded. All exposed metal surfaces shall be plated or painted to provide an attractive and rust proof finish. The case shall be one piece and constructed of high impact tan coloured ABS plastic. The bracket shall be constructed of die cast aluminum alloy.

### McBRIDE TECH SPECS

Frequency Response:	450 - 8000 Hz.
Power Handling Capacity:	25 volt - 15 watts program. 70 volt - 32 watts program.
Sound Pressure Level:	120 db. (measured 1 watt at one meter. Sound ref. .0002 dyne/sqcm.)
Cone:	One piece resin impregnated
Voice Coil:	8 ohm impedance, 1-5/16 inch dia. high temperature aluminum.
Case:	One piece tan coloured high impact ABS plastic.
Primary Taps:	25 volt - 2, 4, 7.5, 15 watts. 70 volt - 2, 4, 8, 16, 32 watts.
Mounting:	Adjustable swivel bracket.
Magnet:	10.0 ounce Hi-Density ceramic (isotropic).
Flux Density:	12000 Gauss.
Horn Terminals:	15 inch hook-up lead.
Weight:	3 3/4 lbs.
Finish (metal parts only):	Bright Zinc plating or painted.
Packaging:	6 to a carton.

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