

APPLICATIONS

- In fill MHF Horn
- Houses of worship
- Discotheques, clubs, dance halls
- Corporate Rental Systems

FEATURES

- Superior vertical coverage control if compared to similar products
- Sensitivity 106 dB MF, 113 dB HF
- Frequency response from 190 Hz up to 18'500Hz
- 1 x 8" High Power ND driver with 3" Voice Coil, 1x 1" ND driver (Lange 1475-8A 3" dome/coil)
- 55° Horizontal, 25° vertical (-3dB)
- 300W AES Mid frequencies, 160W AES High frequencies
- 50,0 cm W, 50,0 cm D, 42,7 cm H

DESCRIPTION

The 1531-H mid high frequency horn has been designed as a complement to our H718 as main MHF section speaker or as in-fill MHF horn and delay lines. The 1531-H Horn Loudspeaker is based on a two way concept. Critical mid frequencies are reproduced by a horn coupled to an 8" driver and proprietary concentric phase plug. High frequencies are reproduced by a 76 mm coil/dome high frequency driver developed and made by Lange Loudspeakers in Switzerland. The 1531-H has been designed primarily in order to offer excellent performance down to 190 Hz. The system offers appreciable advantages in terms of controlled coverage, low harmonic distortion and evident dynamic reserve.

The MF section includes a higher power 8" speaker if compared to the 1531 3 way system, allowing better integration with complimentary LF horns or subwoofers and a more extended LF output.

Close attention has been dedicated to the geometry and position of the horns. Radiating areas have been placed as close as possible in order to interact in a constructive form. Cabinet size has been reduced as much as possible. The frontal area of the loudspeaker can be considered completely radiating and occupied by two horn mouths.



SPECIFICATIONS

Sensitivity	106 dB MF, 113 dB HF 1W, 1 meter (single unit)
Frequency response (1)	190 Hz – 18'500 Hz +/- 3dB
AES Power Handling (2)	300W MF, 160W HF
Maximum Sound Pressure	129,0 dB MF / 132 dB HF @ 1 meter, full power, continuous
Power Compression	1 dB MF, 3 dB HF
Impedance	8 Ω
Directivity Pattern	55°H x 25°V (-3dB)
Suggested Crossover point (3)	High Pass 8" driver: 190 Hz to 450 Hz 24dB/oct. Low Pass 8" driver: 1 kHz to 2'750 Hz 24dB/oct. High Pass HF Driver: 1 kHz to 2'750 Hz 24dB/oct.
Connectors	2 x Neutrik ® NL4MP wired: 1+/ 1- MF, +2/ -2 HF (second Speakon loops trough)
Cabinet Construction	15 mm (3/4") Birch plywood, Polyurethane Horns, section angle 20°
Finish	Brown epoxy glue, texture paint
Dimensions (H, W, D)	42,7 x 50,0 x 50.0 (cm)
Weight	18 Kg
LF Driver type	1x8" ND High Power driver with 3" Voice coil, 1 x 1475 HF Driver
Spares & Accessories	Flying kits available in different configurations

(1) -6 dB point

(2) AES 1-1984 Rev. 2003

(3) Due to extended frequency response of each way the 1531-H offers different crossover point options as well as filter types.