

## EDGE212P



### PRESENTATION

3 way horn loaded, full-range, bi-amp. Integrated 'fly track' flying system.

### FEATURES

The EDGE212P is a 3 way, horn loaded system of high efficiency. The mid-bass section is equipped with two 12" loudspeakers connected in parallel and coupled on the same horn wave guide. Each cone has an impedance of 16 ohm and has a demodulation ring for reduced distortion. An elliptic-spheroid wave guide housing a special 2" compression driver reproduces the mid-high frequency band from 800 Hz upwards. This driver is internally divided into two sub-systems: a 4" annular membrane reproduces from 800 Hz to 7 kHz and the very high frequencies from 7 kHz upwards are reproduced, through a passive filter, by a 2" plastic film membrane which is mounted co-axially to the former. The wave guide used has been designed specifically to allow an excellent directivity control which is kept constant from 600 Hz upwards. This feature allows the EDGE212P to be coupled in a coherent way even in very large arrays, distributing the audio energy in a uniform way over the listening area. The wave guides of the EDGE212P are inclined downwards by 5°. In the flying configuration, such

a down-tilt makes it possible to create more rational arrays. In situations where it is not possible to fly the system, the down-tilt aids in the coverage of the listening area. The result is an improved and predictable coverage, a good audio balance across the whole array once installed, well distributed energy and an homogenous frequency response reducing many of the problems traditionally associated with large arrays of loudspeakers. This all works to improve the fidelity and intelligibility obtainable even in conditions of high reverberation.

**CODE:** EDGE212P

#### TECHNICAL SHEET

**System type:**3-way horn loaded, full range, bi-amp

**Frequency response:**125 Hz - 20 kHz (-3dB, +6dB)

**Maximum (peak) Output:**139

**High Frequency Device:**2"/4" coaxial compression driver - horn loaded

**HF Nominal impedance:**16 ohm

**HF Sensitivity:**112 dB SPL (4V @ 1m)

**HF Power rating (AES):**150

**HF Power rating (program):**300

**Mid Frequency Device:**2 x 12" woofer - 3" voice coil - horn loaded

**MF Nominal impedance:**8 ohm

**MF Sensitivity:**107 dB SPL (2.83V @ 1m)

**MF Power rating (AES):**800

**MF Power rating (program):**1600

**Coverage Angle H. (-6 dB):**50° average, 315 Hz to 20 kHz

**Coverage Angle V. (-6 dB):**40° average, 315 Hz to 20 kHz (5° downtilt)

**Trapezoidal taper:**25°

**Directivity Index (DI):**12.8 average, 315 Hz to 20 kHz

**Signal Processing:**Proel DSO26

**Flying System:**Fly Track

**Connectors:**2 Neutrik Speakon NL4MP paralleled, 1+ LF+, 1- LF-, 2+ MF/HF+, 2- MF/HF-

**Construction:**Trapezoidal. 18mm birch plywood, internally reinforced.

**Finishing:**Paint finish

**Cabinet Colour:**Black

**Weight:**86,5

**Dimensions (W x H x D):**58.5 x 98.8 x 68.5 cm

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