

# IS 8

## FEATURES

- Neutral response free of peaks and gaps over the entire audio range
- Ferrofluid cooled tweeter
- Limited power compression
- High sensitivity and low cabinet tuning resonance
- Top-end components - an 8" woofer and a 1" soft dome tweeter time aligned - thanks to which IS 8 reproduces music with hi-fi quality and surprising sound pressure levels for such compact, lightweight enclosures
- Pleasant eye-catching lines make it suitable for inclusion in any type of décor; it will therefore also be appreciated by architects as well as sound engineers

## APPLICATIONS

- Pubs, music-café, lounge areas in clubs, stores, boutiques, shopping centres, fitness-wellness centres
- High quality sound reproducing systems
- Mobile recording studios
- Television and radio studios
- Post production studios
- Audio/Video processing studios
- Quality control
- Hi-fi sound playback
- Multimedia sound systems
- Console monitors
- High quality foreground and background music distribution

## DESCRIPTION

IS 8 is a fashion style compact full range 2-way loudspeaker system with passive low-loss crossover for near-field reproduction. Comprises a long excursion 8" woofer for low and mid frequencies with rubber suspension and diaphragm in treated cellulose, and a 1" dome tweeter for the high frequencies, with ferrofluid cooled voice coil for a better heat dissipation. The loading for the low frequencies is of the phase inversion type with (reflex) tuned chamber. The system's uniform directivity from 500Hz to 4kHz has an average dispersion of 145° x 150° and an average wide-range sound coverage of 150° H and 150° V. from 500Hz to 10kHz values which are perfectly suited to a wide near-field listening area without any loss of details for the entire range reproduced. The acoustic reproduced bandwidth is 45 Hz to 22.5 kHz at -10 dB. The frequency response of the complete system is  $\pm 3$ dB from 75 Hz to 19.7 kHz. Flown in free-field it has high average wide-range sensitivity, producing 91 dB SPL 1W/1m, (120dB SPL peak). The maximum allowed power is 80 Watt AES (320 peak). The enclosure cabinet has a trapezoidal shape and is built by high quality 15 mm. phenolic glued birch with a quality wood veneer painted with black textured paint while the outer finish is in scratch-resistant, waterproof black paint. Inside, an adequate amount of suitably positioned deadening material eliminates any risk of harmful sound reflection, ensuring a mid range free from coloration and a low range that is deep but always well controlled. The connectors are terminal blocks with large diameter holes able to hold large cross-section cables. The cabinet has two M8 threaded flying points in the centre of the sides to facilitate vertical flying by means of a special optional bracket. The front protective grille consists in a sturdy painted steel mesh fitted with screws.



## TECHNICAL SPECIFICATIONS:

|   |                           |  |
|---|---------------------------|--|
| <b>FREQUENCY RESPONSE</b>                     | (-10 dB)<br>( $\pm 3$ dB) | 45 Hz $\div$ 22.5 kHz<br>75 Hz $\div$ 19.7 kHz |
| <b>AVERAGE DISPERSION</b>                     | >5 kHz                    | 145° x 135° (H x V)                            |
| <b>IMPEDANCE (<math>\Omega</math>)</b>        | Tot (min)                 | 8 (6.5 @ 50 Hz)                                |
| <b>MAX SENSITIVITY</b> (dB SPL @ 1W 1m)       |                           | 91 (Full-space)<br>97 (Half-space Bass only)   |
| <b>POWER - WATT AES</b>                       | Cont.<br>80               | Peak<br>320                                    |
| <b>MAX SHORT-TERM SPL @ 1 m, free-field *</b> |                           | 120 dB SPL                                     |

|                   |   |
|-------------------|---|
| <b>CONNECTORS</b> | Wire clamp input terminals.<br>Push Button Press Release connector.<br>Red = +<br>Black = - |
|-------------------|---|

|                                 |   |
|---------------------------------|---|
| <b>LOUDSPEAKERS AND LOADING</b> | Low 1 x 8" High pass Vented box<br>High 1 x 1" Dome tweeter |
|---------------------------------|---|

|               |                                   |   |
|---------------|-----------------------------------|---|
| <b>WEIGHT</b> | <b>Single unit</b> 7 kg (15.4 lb) | <b>Shipping (1 unit)</b> 8 kg (17.6 lb) |
|---------------|-----------------------------------|---|

|                   |                |                |
|-------------------|----------------|----------------|
| <b>DIMENSIONS</b> |                |                |
| Height            | 415 mm (16.3") | 440 mm (17.3") |
| Width             | 260 mm (10.2") | 310 mm (12.2") |
| Depth             | 285 mm (11.2") | 300 mm (11.8") |

\* calculated using +10 dB crest-factor signal

# INSTALLATION SERIES

**Outline**

DELIVERING THE TRUE AUDIENCE EXPERIENCE