

KEY FEATURES

- 200 W AES power handling capacity for LF unit
- 40 W AES power handling capacity for HF unit
- High sensitivity: 92 dB (LF) and 102 dB (HF)
- Low Resonant frequency: 65 Hz
- Extended controlled displacement: $X_{max} \pm 5.5$ mm
- Extended mechanical displacement capability: X_{pp} 18 mm
- CONEX spider
- Designed with *MMSS technology*
- Common Neodymium magnet system for both units
- Low weight and mounting depth
- Excellent off-axis response

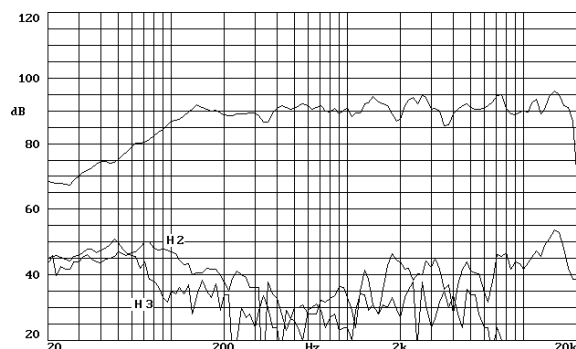
TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm. 6.5 in.
Rated impedance	8 ohms
Minimum impedance	5.9 ohms
Power capacity*(LF/HF)	200 / 40 w AES
Program power(LF/HF)	400 / 80 w
Sensitivity (LF/HF)	92 dB / 102 dB 2.83v @ 1m @ 2 π
Frequency range	60 - 20000 Hz
Recom. enclosure vol.	10 / 40 l 0.35 / 1.4 ft. ³
Voice coil diameter	51.7 mm. 2 in.
Magnetic assembly weight	1.2kg. 2.64 lb.
BL factor	10.1 N/A
Moving mass	0.017 kg.
Voice coil length	14 mm
Air gap height	9 mm
X damage (peak to peak)	18 mm

THIELE-SMALL PARAMETERS**

Resonant frequency, f_s	65 Hz
D.C. Voice coil resistance, R_e	5.3 ohms
Mechanical Quality Factor, Q_{ms}	3.58
Electrical Quality Factor, Q_{es}	0.34
Total Quality Factor, Q_{ts}	0.30
Equivalent Air Volume to C_{ms} , V_{as}	8.25 l
Mechanical Compliance, C_{ms}	324 μ m / N
Mechanical Resistance, R_{ms}	2.01 kg / s
Efficiency, η_o (%)	0.74
Effective Surface Area, S_d (m ²)	0.0135 m ²
Maximum Displacement, X_{max}^{***}	5.1 mm
Displacement Volume, V_d	68.85 cm ³
Voice Coil Inductance, L_e @ 1 kHz	0.6 mH

FREQUENCY RESPONSE AND DISTORTION

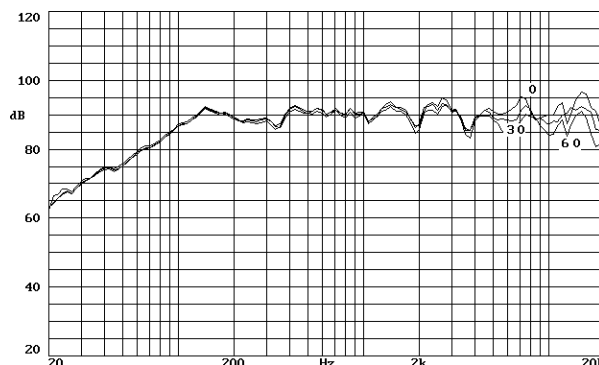


Note: on axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1w @ 1m.

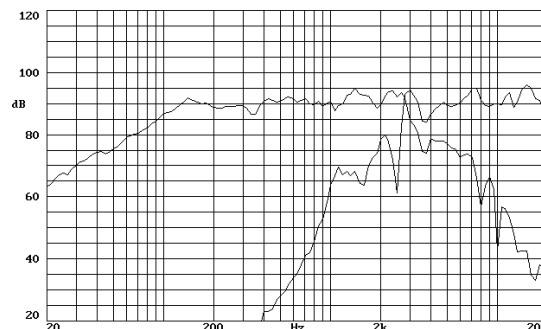
MOUNTING INFORMATION

Overall diameter	162.5 mm. 6.40 in.
Bolt circle diameter	121.62 mm. 4.79 in.
Baffle cutout diameter:	
- Front mount	145.3 mm. 5.72 in.
- Rear mount	145.3 mm. 5.72 in.
Overall depth	96 mm. 3.8 in.
Mounting depth	85 mm. 3.35 in.
Volume displaced by driver	0.55 l 0.02 ft. ³
Net weight	1.9 kg. 4.18 lb.

OFF-AXIS FREQUENCY RESPONSE



LF/HF DRIVER RESPONSE



Notes:

*The power capacity is determined according to AES2-1984 (r2003) standard.
Program power is defined as the transducer's ability to handle normal music program material.

**T-S parameters are measured after an exercise period using a preconditioning power test.

***The X_{max} is calculated as $(L_{vc} - Hag)/2 + Hag/3.5$, where L_{vc} is the voice coil length and Hag is the air gap height.