

KEY FEATURES

- 700 W AES power handling capacity
- High sensitivity: 100dB
- Excellent efficiency
- Wide usable frequency range and low harmonic distortion
- Low Resonant frequency: 45 Hz
- Extended controlled displacement: $X_{max} \pm 7.5$ mm
- Extended mechanical displacement capability: X_{pp} 52 mm
- Forced air convection circuit for low power compression losses
- CONEX spider
- Designed with *MMSS technology*

TECHNICAL SPECIFICATIONS

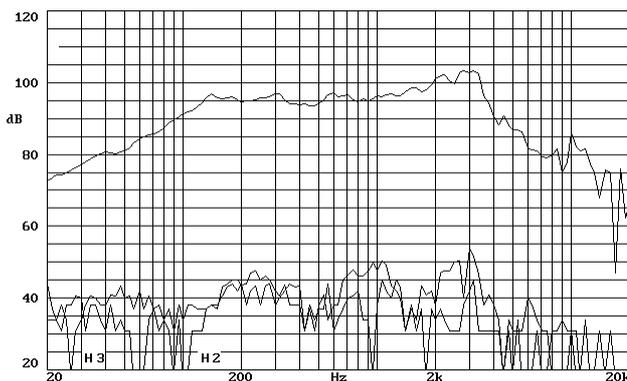
Nominal diameter	300 mm. 12 in.
Rated impedance	8 ohms
Minimum impedance	6.4 ohms
Power capacity*	700 w AES
Program power	1400 w
Sensitivity	100.3 dB 2.83v @ 1m @ 2 π
Frequency range	25 - 4000 Hz
Recom. enclosure vol.	20/ 60 l 0.7 / 2.24 ft. ³
Voice coil diameter	100 mm. 4 in.
Magnetic assembly weight	4.62 kg. 10.16 lb.
BL factor	23.7 N / A
Moving mass	0.064 kg.
Voice coil length	20 mm
Air gap height	12 mm
X damage (peak to peak)	52 mm



THIELE-SMALL PARAMETERS**

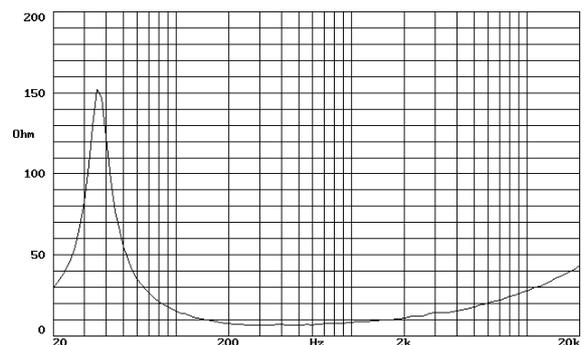
Resonant frequency, f_s	45 Hz
D.C. Voice coil resistance, R_e	5.2 ohms
Mechanical Quality Factor, Q_{ms}	5.96
Electrical Quality Factor, Q_{es}	0.17
Total Quality Factor, Q_{ts}	0.16
Equivalent Air Volume to C_{ms} , V_{as}	82.7 l
Mechanical Compliance, C_{ms}	196 μ m / N
Mechanical Resistance, R_{ms}	3.04 kg / s
Efficiency, η (%)	4.34
Effective Surface Area, S_d (m ²)	0.055 m ²
Maximum Displacement, X_{max}^{***}	7.5 mm
Displacement Volume, V_d	cm ³
Voice Coil Inductance, L_e @ 1 kHz	1.2 mH

FREQUENCY RESPONSE AND DISTORTION



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

FREE AIR IMPEDANCE CURVE



MOUNTING INFORMATION

Overall diameter	314 mm. 12.36 in.
Bolt circle diameter	297 mm. 11.69 in.
Baffle cutout diameter:	
- Front mount	292 mm. 11.5 in.
- Rear mount	281 mm. 11.1 in.
Depth	130 mm. 5.12 in.
Volume displaced by driver	4 l 0.14 ft. ³
Net weight	5.6 kg. 12.32 lb.

Notes:

*The power capacity is determined according to AES2-1984 (2003) 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 measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).