

### KEY FEATURES

- High power handling: 450 W<sub>AES</sub>
- High sensitivity: 100 dB (1W / 1m)
- Very high efficiency (5,1%)
- Extremely linear frequency response
- Low harmonic distortion
- 3" aluminum voice coil with polyimide fiber glass former
- Large magnetic assembly for efficient heat dissipation
- Designed for high quality mid-frequency reproduction



### TECHNICAL SPECIFICATIONS

Nominal diameter	300 mm	12 in
Rated impedance		8 Ω
Minimum impedance		8 Ω
Power capacity <sup>1</sup>		450 W <sub>AES</sub>
Program power <sup>2</sup>		900 W
Sensitivity	100 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		60 - 4.000 Hz
Voice coil diameter	76,2 mm	3 in
BI factor		21,6 N/A
Moving mass		0,047 kg
Voice coil length		13,5 mm
Air gap height		10 mm
X <sub>damage</sub> (peak to peak)		24 mm

### THIELE-SMALL PARAMETERS<sup>3</sup>

Resonant frequency, f <sub>s</sub>	58 Hz
D.C. Voice coil resistance, R <sub>e</sub>	6,3 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	5,5
Electrical Quality Factor, Q <sub>es</sub>	0,23
Total Quality Factor, Q <sub>ts</sub>	0,22
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	64 l
Mechanical Compliance, C <sub>ms</sub>	163 μm / N
Mechanical Resistance, R <sub>ms</sub>	3,3 kg / s
Efficiency, η <sub>0</sub>	5,1 %
Effective Surface Area, S <sub>d</sub>	0,053 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	3 mm
Displacement Volume, V <sub>d</sub>	159 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub>	1 mH

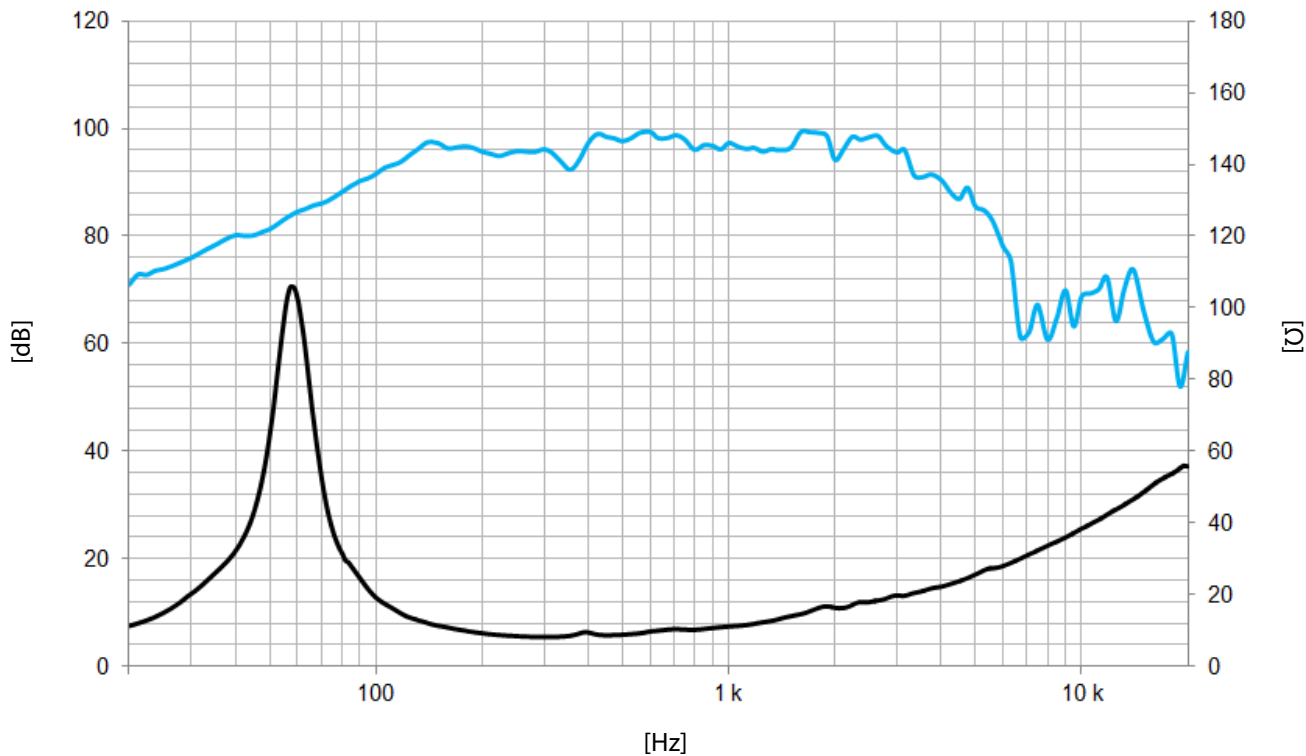
Notes:

<sup>1</sup> The power capacity is determined according to AES2-1984 (r2003) standard.

<sup>2</sup> Program power is defined as power capacity + 3 dB.

<sup>3</sup> 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).

<sup>4</sup> The X<sub>max</sub> is calculated as (L<sub>vc</sub> - H<sub>ag</sub>)/2 + (H<sub>ag</sub>/3,5), where L<sub>vc</sub> is the voice coil length and H<sub>ag</sub> is the air gap height.



**Note:** Frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

### MOUNTING INFORMATION

<b>Overall diameter</b>	312 mm	12,3 in
<b>Bolt circle diameter</b>	294,5 mm	11,6 in
<b>Baffle cutout diameter:</b>		
- Front mount	278 mm	10,9 in
<b>Depth</b>	135 mm	5,4 in
<b>Net weight</b>	7,2 kg	15,8 lb
<b>Shipping weight</b>	8 kg	17,6 lb

### DIMENSION DRAWING

