

### KEY FEATURES

- High power handling: 600 W program power
- 2" copper wire voice coil
- High sensitivity: 94 dB (1W / 1m)
- FEA optimized ceramic magnetic circuit
- Low harmonic distortion and linear response
- Waterproof cone with treatment on both sides of the cone
- Aluminium frame
- Extended controlled displacement:  $X_{\max} \pm 6$  mm
- 32 mm peak-to-peak excursion before damage
- Wide range of applications of low and mid-low frequencies



### TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 $\Omega$
Minimum impedance		7,8 $\Omega$
Power capacity <sup>1</sup>	300 W <sub>AES</sub>	
Program power <sup>2</sup>	600 W	
Sensitivity	94 dB	1W / 1m @ $Z_N$
Frequency range	65 - 4.000 Hz	
Recom. enclosure	$V_b = 12$ l	
(Bass-reflex design)	$F_b = 70$ Hz	
Voice coil diameter	50,8 mm	2 in
BI factor		15 N/A
Moving mass	0,029 kg	
Voice coil length	15 mm	
Air gap height	8 mm	
$X_{\text{damage}}$ (peak to peak)	32 mm	

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

Resonant frequency, $f_s$	62 Hz
D.C. Voice coil resistance, $R_e$	6 $\Omega$
Mechanical Quality Factor, $Q_{ms}$	5,4
Electrical Quality Factor, $Q_{es}$	0,30
Total Quality Factor, $Q_{ts}$	0,29
Equivalent Air Volume to $C_{ms}$ , $V_{as}$	15,5 l
Mechanical Compliance, $C_{ms}$	226 $\mu\text{m} / \text{N}$
Mechanical Resistance, $R_{ms}$	2,1 kg / s
Efficiency, $\eta_0$	1,2 %
Effective Surface Area, $S_d$	0,022 m <sup>2</sup>
Maximum Displacement, $X_{\max}^4$	6 mm
Displacement Volume, $V_d$	132 cm <sup>3</sup>
Voice Coil Inductance, $L_e$ @ 1 kHz	0,9 mH

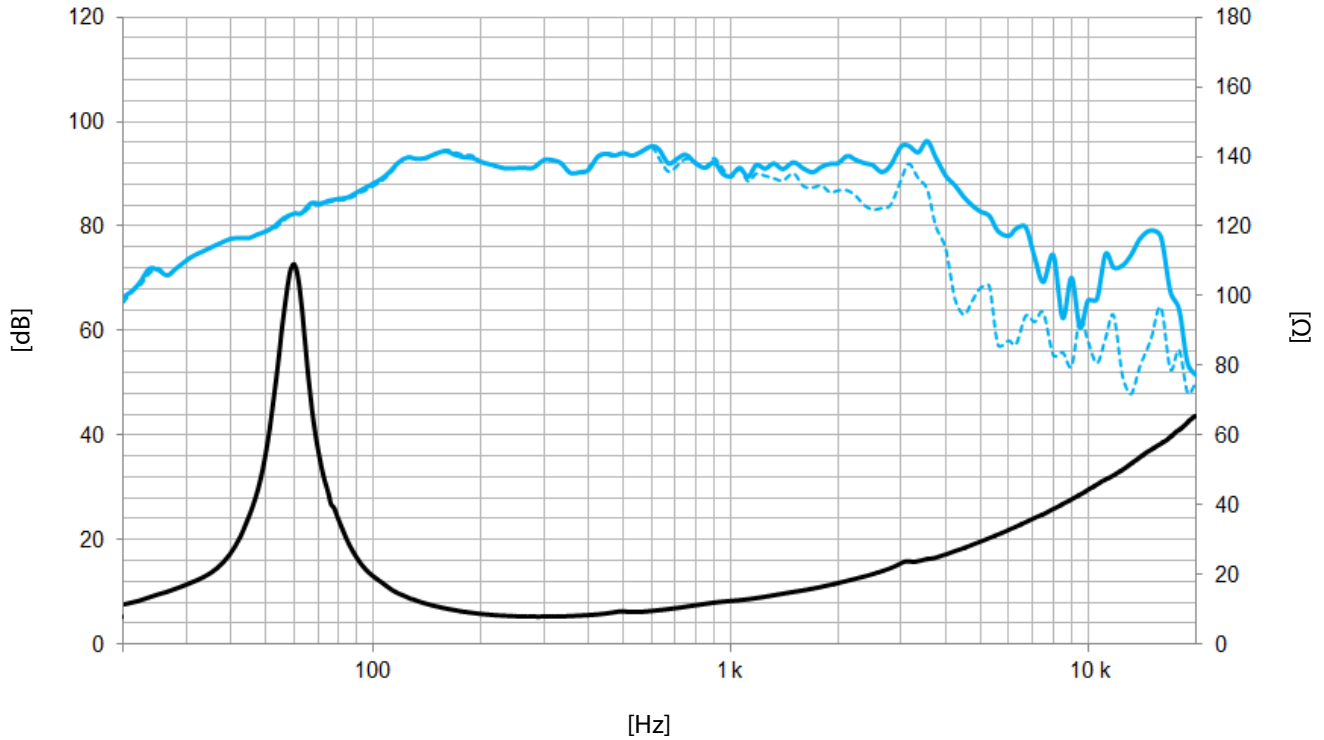
Notes:

<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  $X_{\max}$  is calculated as  $(L_{vc} - H_{ag})/2 + (H_{ag}/3,5)$ , where  $L_{vc}$  is the voice coil length and  $H_{ag}$  is the air gap height.



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

— Frequency response on axis  
- - - Frequency response 45° off axis

### MOUNTING INFORMATION

<b>Overall diameter</b>	212 mm	8,3 in
<b>Bolt circle diameter</b>	195 mm	7,7 in
<b>Baffle cutout diameter:</b>		
- Front mount	182 mm	7,2 in
<b>Depth</b>	95 mm	3,7 in
<b>Net weight</b>	3,3 kg	7,3 lb
<b>Shipping weight</b>	3,6 kg	7,9 lb

### DIMENSION DRAWING

