

### KEY FEATURES

- 100 W program power
- Sensitivity: 90 dB (1W / 1m)
- Foam surround for extended bass response
- Ferrite magnet
- Steel basket
- Smooth and flat response
- Low distortion
- Extended controlled displacement:  $X_{max} \pm 5,7$  mm
- Suited for bass and midbass applications, sealed or vented small cabinets



### TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 $\Omega$
Minimum impedance		6,8 $\Omega$
Power capacity <sup>1</sup>		50 W <sub>RMS</sub>
Program power <sup>2</sup>		100 W
Sensitivity	90 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		30 - 6.000 Hz
Recom. enclosure vol.	15 / 40 l	0,5 / 1,4 ft <sup>3</sup>
Voice coil diameter	25,4 mm	1 in
BI factor		5,9 N/A
Moving mass		0,021 kg
Voice coil length		14 mm
Air gap height		6 mm
X <sub>damage</sub> (peak to peak)		21 mm

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

Resonant frequency, f <sub>s</sub>	52 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,5 $\Omega$
Mechanical Quality Factor, Q <sub>ms</sub>	5,5
Electrical Quality Factor, Q <sub>es</sub>	1,1
Total Quality Factor, Q <sub>ts</sub>	0,9
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	29,6 l
Mechanical Compliance, C <sub>ms</sub>	438 $\mu$ m / N
Mechanical Resistance, R <sub>ms</sub>	1,3 kg / s
Efficiency, $\eta_0$	0,36 %
Effective Surface Area, S <sub>d</sub>	0,022 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	5,7 mm
Displacement Volume, V <sub>d</sub>	110 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub>	0,8 mH

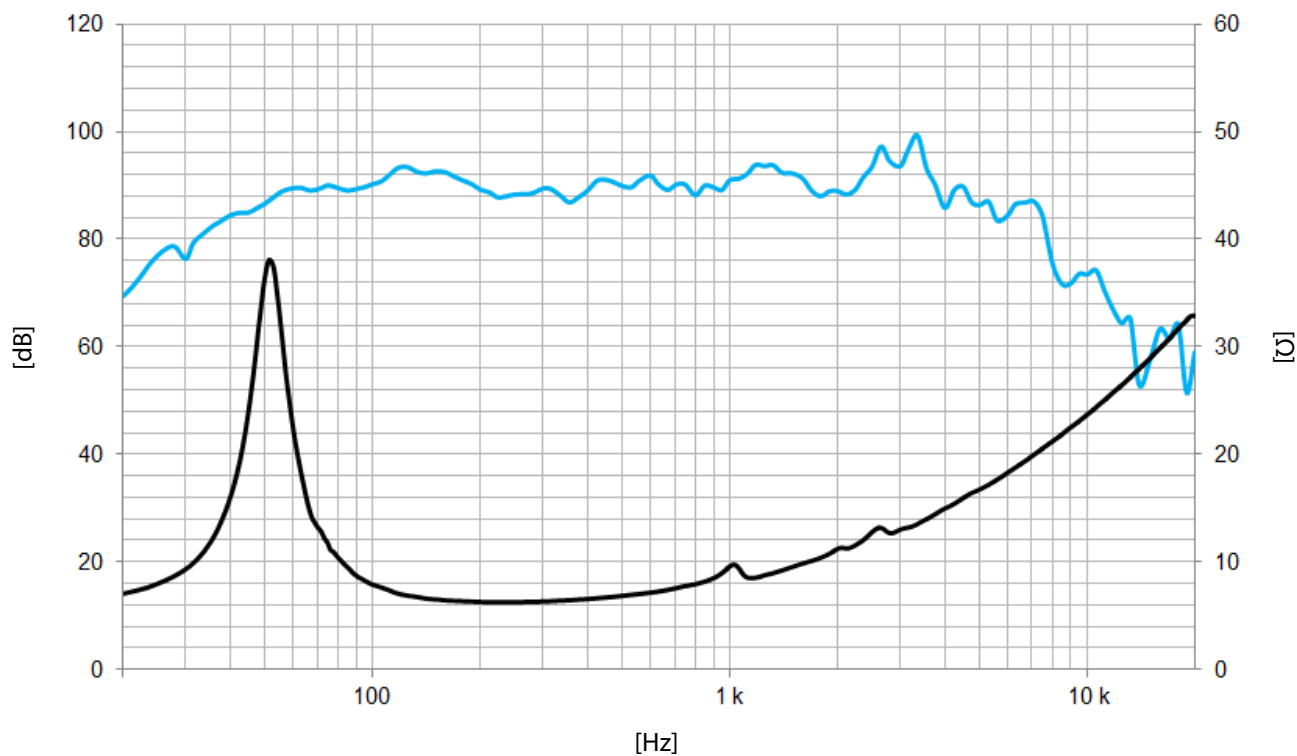
Notes:

<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  $(L_{vc} - H_{ag})/2 + (H_{ag}/3,5)$ , 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

Overall diameter	205 mm	8,1 in
Bolt circle diameter	196 mm	7,7 in
<b>Baffle cutout diameter:</b>		
- Front mount	184 mm	3,3 in
Depth	86 mm	3,4 in
Net weight	1,2 kg	2,6 lb
Shipping weight	1,3 kg	2,9 lb

#### DIMENSION DRAWING

