

### KEY FEATURES

- High power handling: 500 W program power
- 1.5" CCAW wire voice coil
- High sensitivity: 94 dB (1W / 1m)
- Very linear extended response and low distortion
- Treated double roll cloth surround
- Optimized pressed steel frame
- Ferrite magnet
- Designed for bass and midbass applications in compact vented cabinets



### TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 Ω
Minimum impedance		6,4 Ω
Power capacity*	250 W <sub>AES</sub>	
Program power	500 W	
Sensitivity	94 dB	1W / 1m @ Z <sub>N</sub>
Frequency range	80 - 8.000 Hz	
Recom. enclosure (Bass-reflex design)	V <sub>b</sub> = 20 l F <sub>b</sub> = 74 Hz	
Voice coil diameter	38,1 mm	1,5 in
BI factor		9,6 N/A
Moving mass	0,021 kg	
Voice coil length	14 mm	
Air gap height	6 mm	
X <sub>damage</sub> (peak to peak)	29 mm	

Notes:

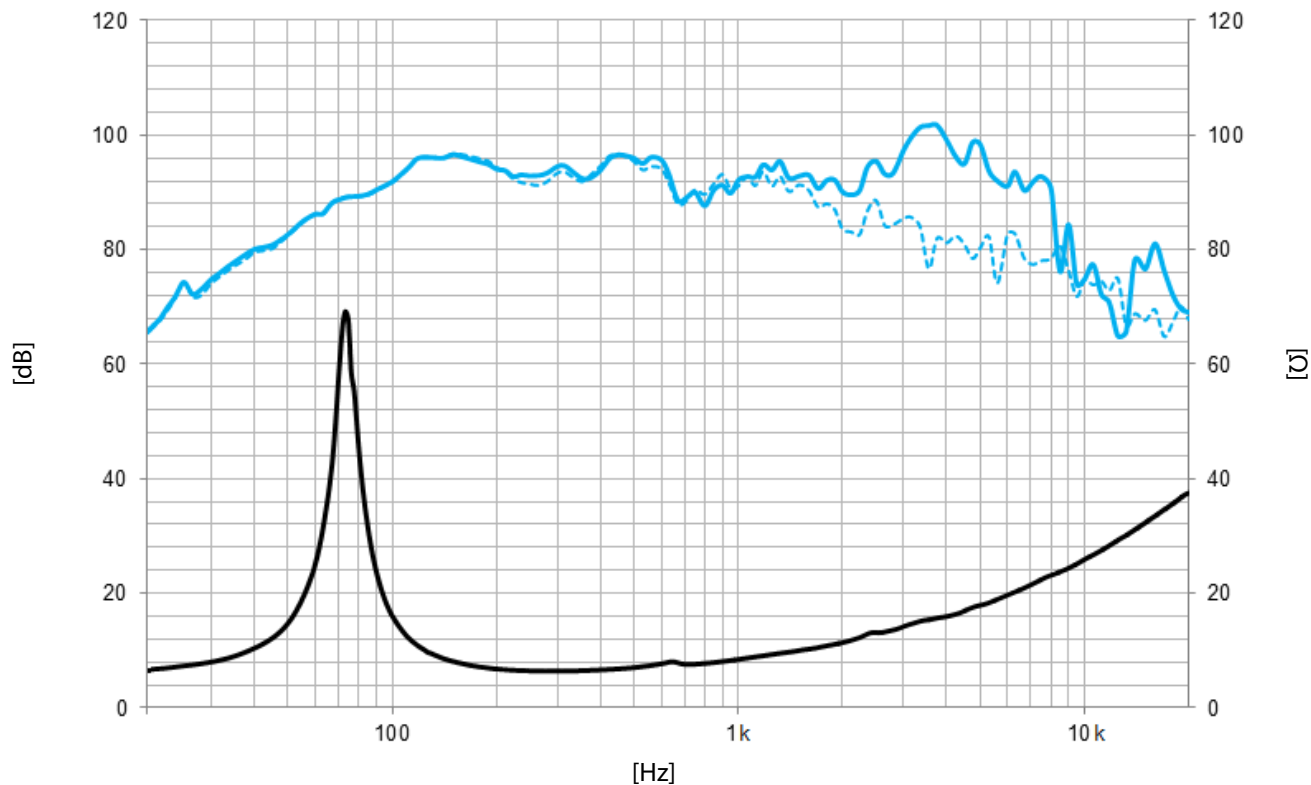
\* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

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

\*\*\* 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.

### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, f <sub>s</sub>	75 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,1 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	7,7
Electrical Quality Factor, Q <sub>es</sub>	0,55
Total Quality Factor, Q <sub>ts</sub>	0,52
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	14,6 l
Mechanical Compliance, C <sub>ms</sub>	213 μm / N
Mechanical Resistance, R <sub>ms</sub>	1,3 kg / s
Efficiency, η <sub>0</sub>	1,1 %
Effective Surface Area, S <sub>d</sub>	0,022 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***	5,7 mm
Displacement Volume, V <sub>d</sub>	125 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,6 mH



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

Overall diameter	210 mm	8,3 in
Bolt circle diameter	196 mm	7,7 in
Baffle cutout diameter:		
- Front mount	180 mm	7,1 in
Depth	92 mm	3,6 in
Net weight	2,4 kg	5,3 lb
Shipping weight	2,6 kg	5,7 lb

### DIMENSION DRAWING

