

#### KEY FEATURES



- High power handling: 600 W program power
- Exclusive Malt Cross® Technology Cooling System
- Low power compression losses
- High sensitivity: 96 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Designed with MMSS technology
- Optimized non-linear behaviour
- Waterproof cone with treatment for both sides
- 2" copper voice coil
- Aluminium demodulating ring
- Extended controlled displacement:  $X_{max} \pm 6$  mm
- 35 mm peak-to-peak excursion before damage
- Optimized for 2 or 3 way PA systems and line array for ultimate professional applications



#### TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 $\Omega$
Minimum impedance		7,5 $\Omega$
Power capacity <sup>1</sup>	300 W <sub>AES</sub>	
Program power <sup>2</sup>	600 W	
Sensitivity	96 dB	1W / 1m @ Z <sub>N</sub>
Frequency range	80 - 4.000 Hz	
Voice coil diameter	50,8 mm	2 in
Bl factor		16 N/A
Moving mass	0,025 kg	
Voice coil length	15 mm	
Air gap height	7 mm	
X <sub>damage</sub> (peak to peak)	35 mm	

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

Resonant frequency, f <sub>s</sub>	76 Hz
D.C. Voice coil resistance, R <sub>e</sub>	6,2 $\Omega$
Mechanical Quality Factor, Q <sub>ms</sub>	6,2
Electrical Quality Factor, Q <sub>es</sub>	0,29
Total Quality Factor, Q <sub>ts</sub>	0,28
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	11,6 l
Mechanical Compliance, C <sub>ms</sub>	171 $\mu$ m / N
Mechanical Resistance, R <sub>ms</sub>	2 kg / s
Efficiency, $\eta_0$	1,7 %
Effective Surface Area, S <sub>d</sub>	0,022 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	6 mm
Displacement Volume, V <sub>d</sub>	132 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,5 mH

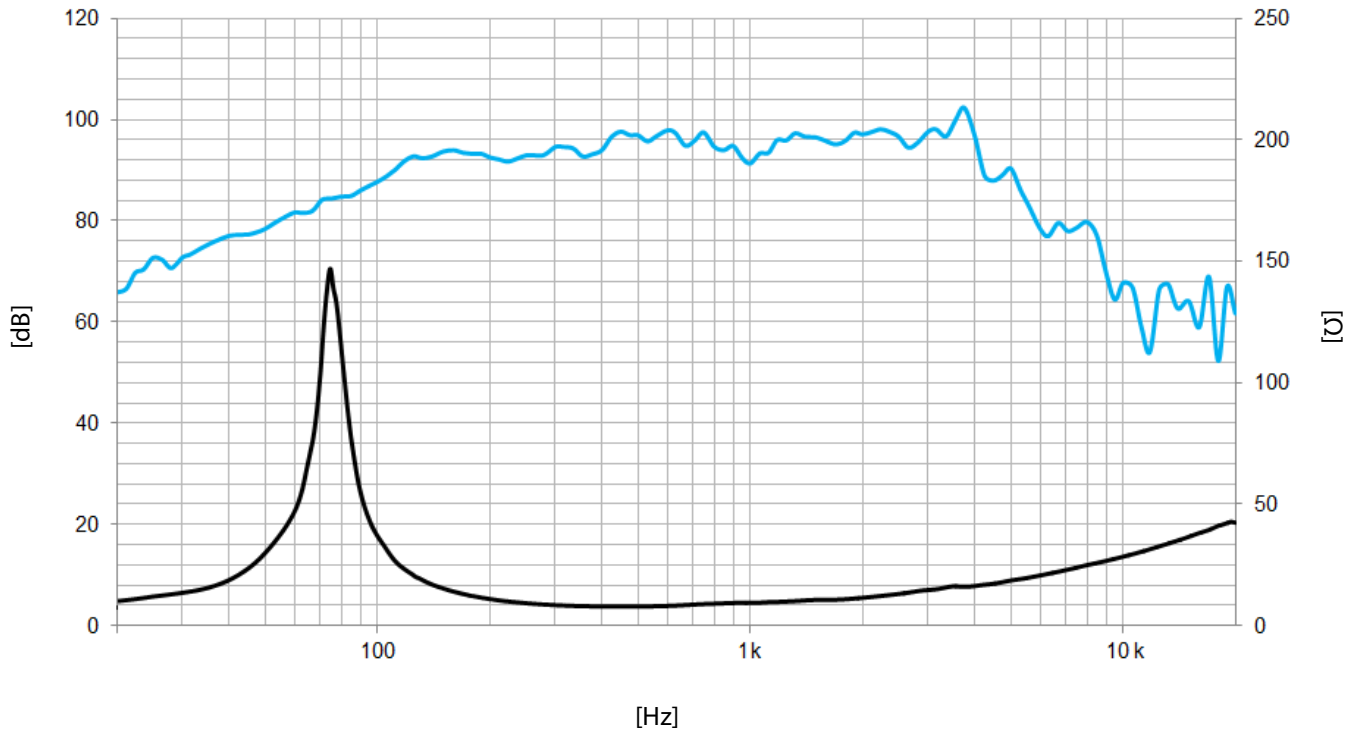
#### Notes:

<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: On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

### MOUNTING INFORMATION

Overall diameter	212 mm	8,34 in
Bolt circle diameter	195 mm	7,68 in
Baffle cutout diameter:		
- Front mount	182 mm	7,16 in
Depth	96 mm	3,78 in
Net weight	1,9 kg	4,2 lb
Shipping weight	2,2 kg	4,9 lb

### DIMENSION DRAWING

