

### KEY FEATURES



- High power handling: 1000 W program power
- 2,5" copper wire voice coil
- Malt Cross<sup>®</sup> Cooling System
- Low power compression losses
- High sensitivity: 96,5 dB (1W / 1m)

- Optimized pressed steel frame
- FEA optimized magnetic circuit
- Weatherproof cone with treatment for both sides of the cone
- Optimized for 2 or 3 way PA systems and line arrays for ultimate professional applications



### TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm	10 in
Rated impedance		8 Ω
Minimum impedance		7,2 Ω
Power capacity <sup>1</sup>		500 W <sub>AES</sub>
Program power <sup>2</sup>		1.000 W
Sensitivity	96,5 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		70 - 5.000 Hz
Voice coil diameter	63,5 mm	2,5 in
BI factor		17,6 N/A
Moving mass		0,044 kg
Voice coil length		19,5 mm
Air gap height		9,5 mm
X <sub>damage</sub> (peak to peak)		40 mm

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

Resonant frequency, f <sub>s</sub>	65 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,6 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	10,1
Electrical Quality Factor, Q <sub>es</sub>	0,33
Total Quality Factor, Q <sub>ts</sub>	0,31
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	24 l
Mechanical Compliance, C <sub>ms</sub>	136 μm / N
Mechanical Resistance, R <sub>ms</sub>	1,8 kg / s
Efficiency, η <sub>0</sub>	1,9 %
Effective Surface Area, S <sub>d</sub>	0,035 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	8 mm
Displacement Volume, V <sub>d</sub>	280 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub>	1,1 mH

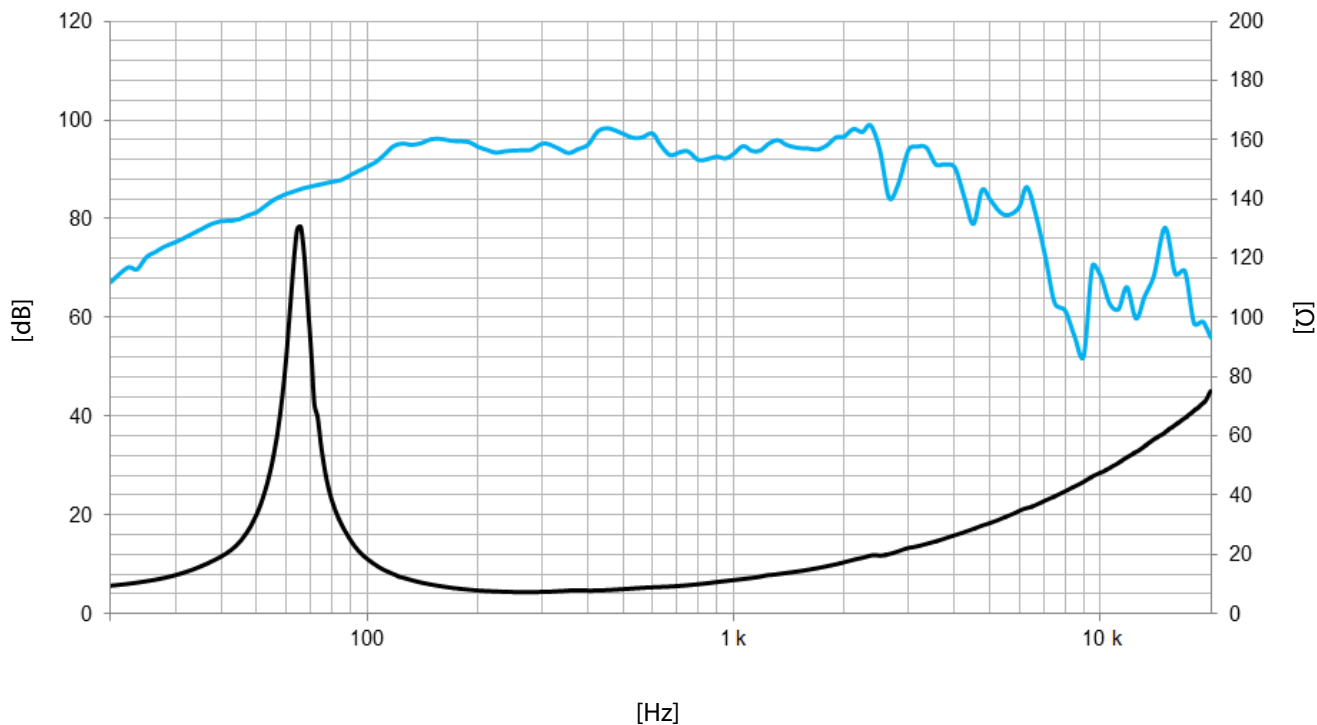
Notes:

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

### MOUNTING INFORMATION

Overall diameter	258 mm	10,2 in
Bolt circle diameter	241 mm	9,5 in
Baffle cutout diameter:		
- Front mount	230 mm	9,1 in
Depth	125 mm	4,9 in
Net weight	5,7 kg	12,6 lb
Shipping weight	6,1 kg	13,5 lb

### DIMENSION DRAWING

