

### KEY FEATURES

- High power handling: 700 W<sub>AES</sub>
- High sensitivity: 98 dB (1W / 1m)
- FEA optimized magnetic circuit
- CONEX spider for higher resistance and consistency
- Waterproof cone with treatment for both sides of the cone
- 4" DUO double layer in/out voice coil
- Extended controlled displacement: X<sub>max</sub> ± 9 mm
- 47 mm peak-to-peak excursion before damage



### TECHNICAL SPECIFICATIONS

Nominal diameter	380 mm	15 in
Rated impedance		8 Ω
Minimum impedance		7,2 Ω
Power capacity <sup>1</sup>		700 W <sub>AES</sub>
Program power <sup>2</sup>		1.400 W
Sensitivity	98 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		30 - 1.500 Hz
Recom. enclosure (Bass-reflex design)		V <sub>b</sub> = 125 l F <sub>b</sub> = 43 Hz
Voice coil diameter	101,6 mm	4 in
Bl factor		21,1 N/A
Moving mass		0,147 kg
Voice coil length		20 mm
Air gap height		10 mm
X <sub>damage</sub> (peak to peak)		47 mm

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

Resonant frequency, f <sub>s</sub>	42 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,1 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	21,2
Electrical Quality Factor, Q <sub>es</sub>	0,45
Total Quality Factor, Q <sub>ts</sub>	0,44
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	105 l
Mechanical Compliance, C <sub>ms</sub>	92 μm / N
Mechanical Resistance, R <sub>ms</sub>	1,9 kg / s
Efficiency, η <sub>0</sub>	1,67 %
Effective Surface Area, S <sub>d</sub>	0,091 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	9 mm
Displacement Volume, V <sub>d</sub>	812 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	2,1 mH

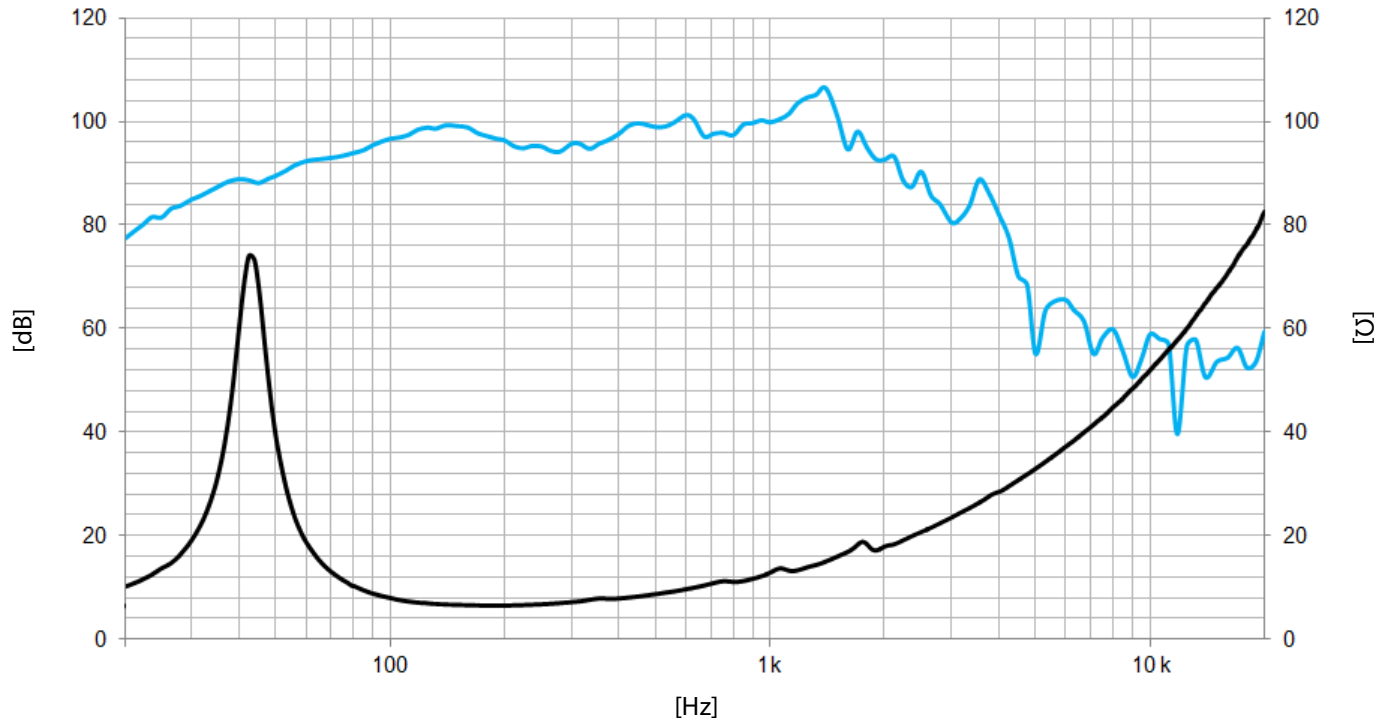
Notes:

<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	388 mm	15,3 in
Bolt circle diameter	370 mm	14,6 in
Baffle cutout diameter:		
- Front mount	352 mm	13,9 in
Depth	145 mm	5,7 in
Net weight	10,2 kg	21,4 lb
Shipping weight	11,3 kg	22,4 lb

### DIMENSION DRAWING

