

### KEY FEATURES

- High power handling: 2.400 W program power
- 4" copper voice coil
- High sensitivity: 98 dB (1W / 1m)
- FEA optimized magnetic circuit
- Low power compression losses
- Waterproof cone with treatment for both sides of the cone
- CONEX spider
- High excursion capabilities:  $X_{max} \pm 8$  mm
- Low frequency extension and high control



### TECHNICAL SPECIFICATIONS

Nominal diameter	460 mm	18 in
Rated impedance		8 $\Omega$
Minimum impedance		5,5 $\Omega$
Power capacity <sup>1</sup>	1.200 W <sub>AES</sub>	
Program power <sup>2</sup>	2.400 W	
Sensitivity	98 dB	1W / 1m @ Z <sub>N</sub>
Frequency range	30 - 2.000 Hz	
Voice coil diameter	101,6 mm	4 in
Bl factor	26,8 N/A	
Moving mass	0,221 kg	
Voice coil length	21 mm	
Air gap height	12 mm	
X <sub>damage</sub> (peak to peak)	52 mm	

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

Resonant frequency, f <sub>s</sub>	33 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,2 $\Omega$
Mechanical Quality Factor, Q <sub>ms</sub>	10,5
Electrical Quality Factor, Q <sub>es</sub>	0,33
Total Quality Factor, Q <sub>ts</sub>	0,32
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	230 l
Mechanical Compliance, C <sub>ms</sub>	105 $\mu$ m / N
Mechanical Resistance, R <sub>ms</sub>	4,4 kg / s
Efficiency, $\eta_0$	2,4 %
Effective Surface Area, S <sub>d</sub>	0,1250 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	8 mm
Displacement Volume, V <sub>d</sub>	1000 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub>	1,75 mH

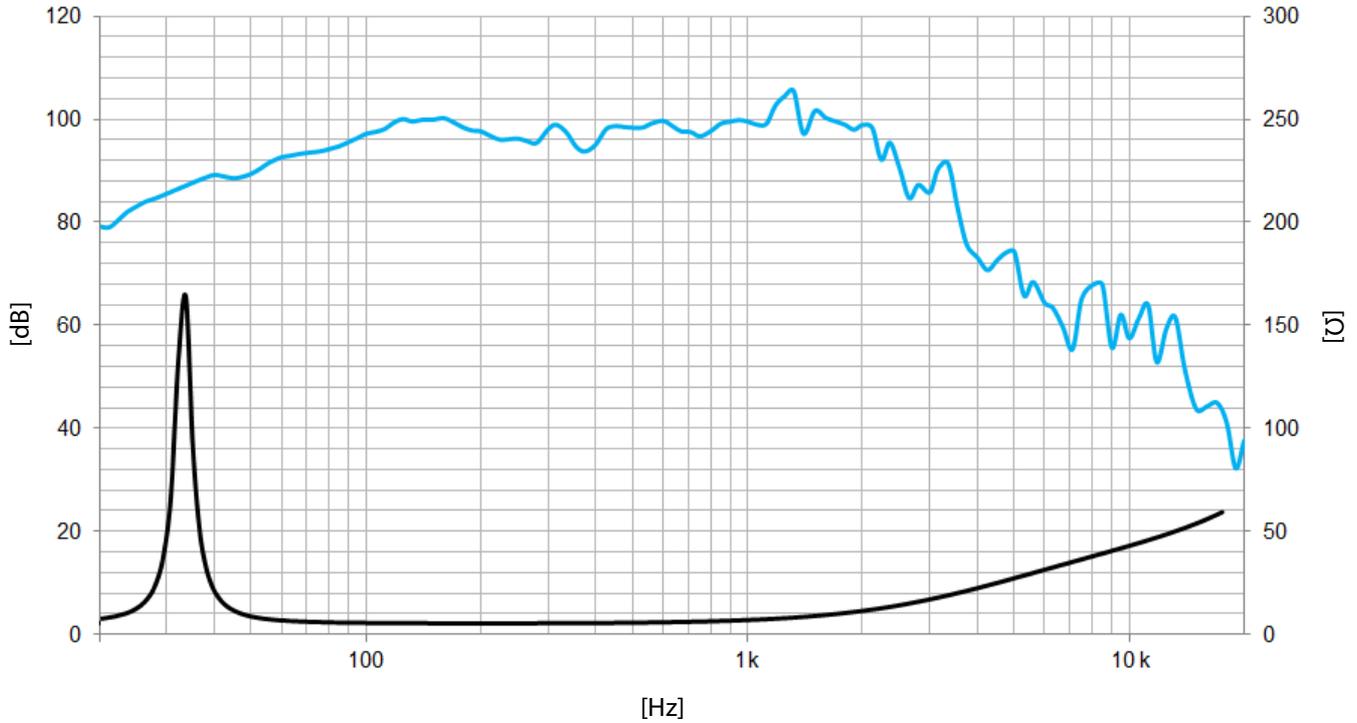
Notes:

<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

<b>Overall diameter</b>	462 mm	18,2 in
<b>Bolt circle diameter</b>	438 mm	17,3 in
<b>Baffle cutout diameter:</b>		
- Front mount	415 mm	16,3 in
<b>Depth</b>	215 mm	8,4 in
<b>Net weight</b>	13,8 kg	30,4 lb
<b>Shipping weight</b>	15,3 kg	33,7 lb

### DIMENSION DRAWING

