

### KEY FEATURES

- 1.600 W program power
- High sensitivity: 101 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Forced air convection for low power compression
- Conex spider
- Weatherproof cone with treatment for both sides
- 4" DUO double layer in/out voice coil
- Extended controlled displacement:  $X_{max} \pm 7,5$  mm
- 52 mm peak-to-peak excursion before damage



### TECHNICAL SPECIFICATIONS

Nominal diameter	380 mm	15 in
Rated impedance		8 $\Omega$
Minimum impedance		7 $\Omega$
Power capacity <sup>1</sup>		800 W <sub>AES</sub>
Program power <sup>2</sup>		1.600 W
Sensitivity	101 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		40 - 4.000 Hz
Recom. enclosure		V <sub>b</sub> = 75 l
(Bass-reflex design)		F <sub>b</sub> = 59 Hz
Voice coil diameter	101,6 mm	4 in
BI factor		23,8 N/A
Moving mass		0,098 kg
Voice coil length		20 mm
Air gap height		12 mm
X <sub>damage</sub> (peak to peak)		52 mm

Notes:

<sup>1</sup> The power capacity is determined according to AES2-1984 (r2003) standard.

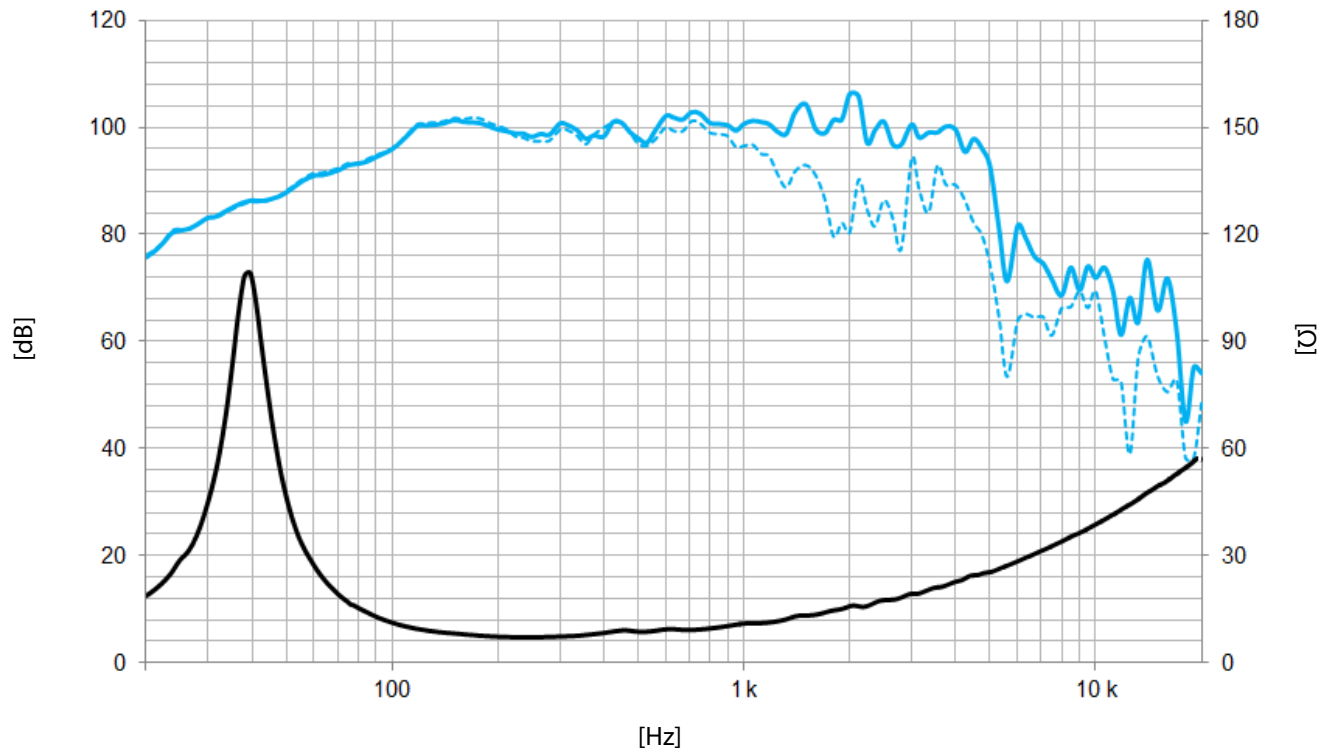
<sup>2</sup> Program power is defined as power capacity + 3 dB.

<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.

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

Resonant frequency, f <sub>s</sub>	39 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,1 $\Omega$
Mechanical Quality Factor, Q <sub>ms</sub>	5,1
Electrical Quality Factor, Q <sub>es</sub>	0,22
Total Quality Factor, Q <sub>ts</sub>	0,21
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	184 l
Mechanical Compliance, C <sub>ms</sub>	168 $\mu$ m / N
Mechanical Resistance, R <sub>ms</sub>	4,7 kg / s
Efficiency, $\eta_0$	4,9 %
Effective Surface Area, S <sub>d</sub>	0,088 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	7,5 mm
Displacement Volume, V <sub>d</sub>	660 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub>	0,8 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	388 mm	15,3 in
Bolt circle diameter	370 mm	14,6 in
Baffle cutout diameter:		
- Front mount	352 mm	13,9 in
Depth	161 mm	6,3 in
Net weight	6 kg	13,2 lb
Shipping weight	7 kg	15,4 lb

### DIMENSION DRAWING

