

#### KEY FEATURES



- High power handling: 1.400 W program power
- Exclusive Malt Cross® Technology Cooling System
- Low power compression losses
- High sensitivity: 100 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Optimized non-linear behaviour
- 3" DUO double layer in/out copper voice coil

- Aluminium demodulating ring
- Waterproof cone with treatment for both sides
- Extended controlled displacement:  $X_{max} \pm 7$  mm
- 48 mm peak-to-peak excursion before damage
- Weight 4,2 kg
- Optimized for bass or mid-bass high performance audio systems



#### TECHNICAL SPECIFICATIONS

Nominal diameter	380 mm	15 in
Rated impedance		8 $\Omega$
Minimum impedance		7 $\Omega$
Power capacity <sup>1</sup>		700 W <sub>AES</sub>
Program power <sup>2</sup>		1.400 W
Sensitivity	100 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		50 - 4.000 Hz
Recom. enclosure (Bass-reflex design)		V <sub>b</sub> = 60 l F <sub>b</sub> = 60 Hz
Voice coil diameter	76,2 mm	3 in
Bl factor		22,6 N/A
Moving mass		0,107 kg
Voice coil length		18 mm
Air gap height		10 mm
X <sub>damage</sub> (peak to peak)		48 mm

Notes:

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

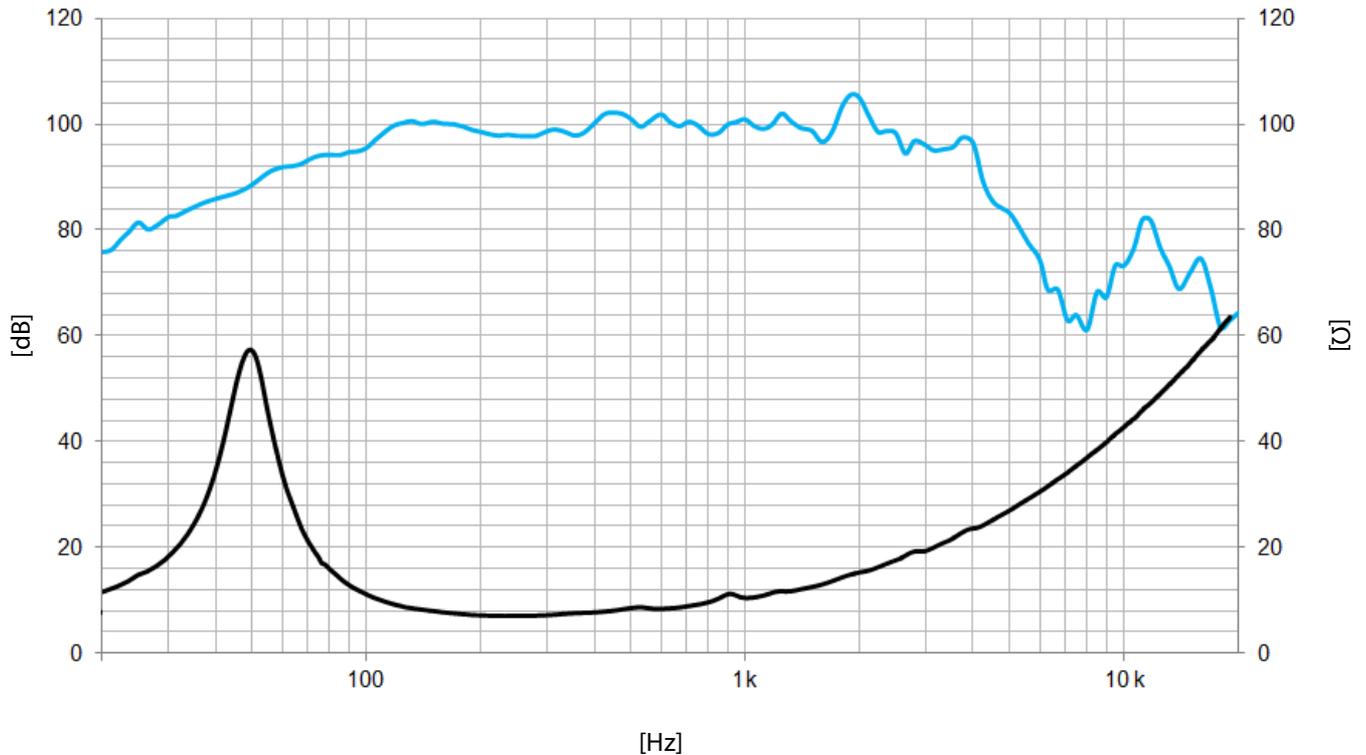
<sup>2</sup> Program power is defined as power capacity + 3 dB.

<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>	49 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,2 $\Omega$
Mechanical Quality Factor, Q <sub>ms</sub>	3,6
Electrical Quality Factor, Q <sub>es</sub>	0,34
Total Quality Factor, Q <sub>ts</sub>	0,31
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	105 l
Mechanical Compliance, C <sub>ms</sub>	96 $\mu$ m / N
Mechanical Resistance, R <sub>ms</sub>	9,2 kg / s
Efficiency, $\eta_0$	3,7 %
Effective Surface Area, S <sub>d</sub>	0,088 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	7 mm
Displacement Volume, V <sub>d</sub>	616 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,8 mH



**Note:** 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	349,5 mm	13,8 in
Depth	174 mm	6,8 in
Net weight	4,2 kg	9,2 lb
Shipping weight	5,2 kg	11,5 lb

### DIMENSION DRAWING

