



# XTREME SERIES

Xtreme Audio Performance  
at an Unbeatable Price!

## XTB40-4 SPECIFICATIONS



- > Xtreme Bass Response
- > Xtreme Powerful with Aluminum Body
- > Xtreme Sensitivity and Large Displacement
- > Xtreme Robust Black Steel Suspension
- > Designed in Germany

# XTB40-4 SPECIFICATIONS

## Electrical and Mechanical Properties

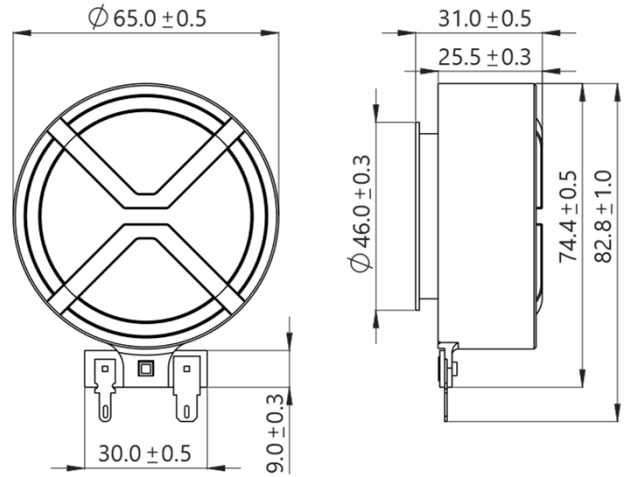
Rms Noise Test [W]	80
Long-term Max Power [W]	160
Frequency Range [Hz] <sup>1</sup>	25Hz – 1kHz
Nominal Impedance [Ohm]	4
DC Resistance [Ohm]	3.77
Le [mH] Re2 [Ohm] Le2 [mH]	0.19 14.1 0.26
Kms [N/mm]	10.0
Cms [mm/N]	0.10
Bl [N/A]	10.8
Motor Efficiency Factor $\beta$ [dB] <sup>2</sup>	14.9
Linear Xmax - IEC 60268 [mm]	$\pm 2.5$
Mechanical Xmax [mm]	$\pm 5.0$

Position Related Properties <sup>3</sup>	Magnet	Coil
Fs [Hz]	28.9	130
Mms [g]	303	15.0
Rms [Kg/s]	4.01	0.45
Qts	1.58	0.35
Qms	13.8	5.31
Qes	1.78	0.37

## Physical Properties

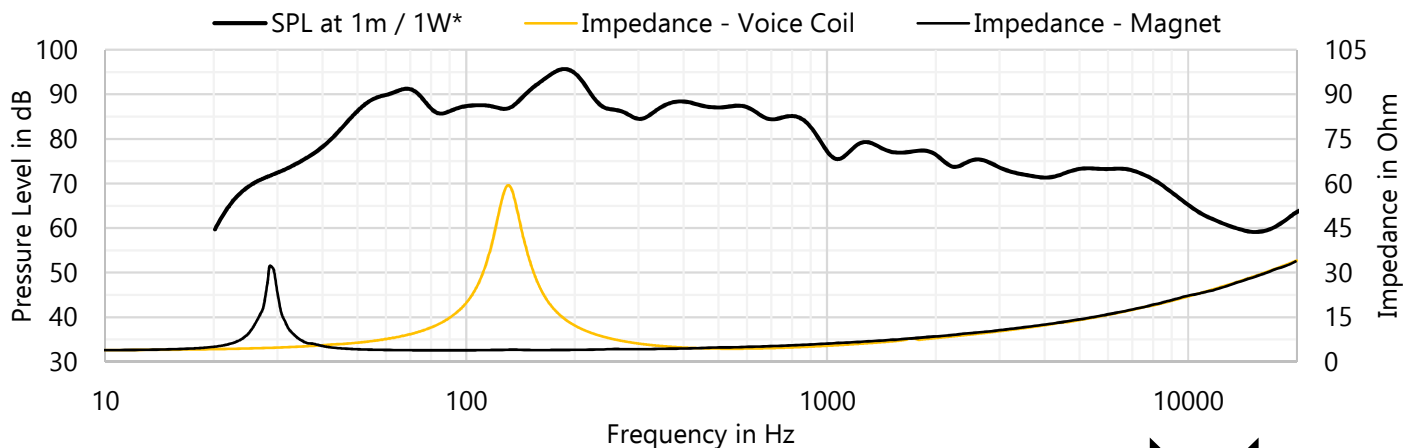
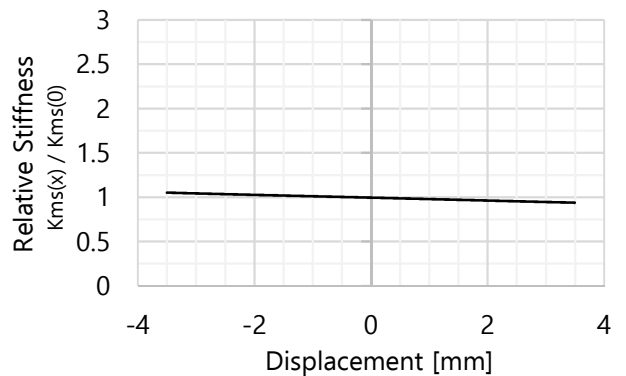
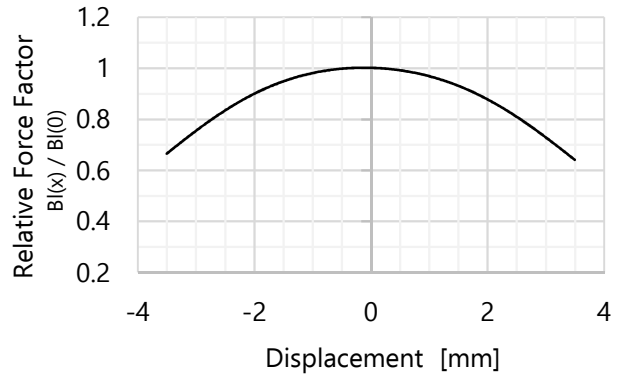
Total Weight [g]	319
Outer Diameter [mm]	65.0
Total Height [mm]	31.0
Voice Coil Diameter [mm]	40
Voice Coil Layers	4

- (1) The final frequency range is dependent on the panel properties  
 (2)  $10\log(\beta)$  with  $\beta = Bl^2/Re$  [ref: 1Kg/s]  
 (3) Exciters have two degrees of freedom - TSP measured by fixing one  
 \* On-axis anechoic measurement 1m/2.00V [1/3rd octave smoothing]  
 3mm acrylic panel with A=0.3m<sup>2</sup> and R=2 - fixed edges - open back  
 XTB40-4 positioned at 35% | 50% - converted from 4pi to 2pi (+6dB)

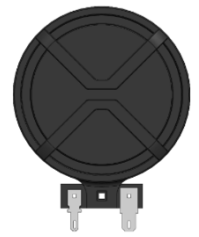


## Distortion Relevant Properties

At higher amplitudes, exciters generate nonlinear distortions primarily from  $Bl(x)$  and  $Kms(x)$ . The Xtreme Series is optimized to generate low harmonic and intermodulation distortions.



# XTREME SERIES



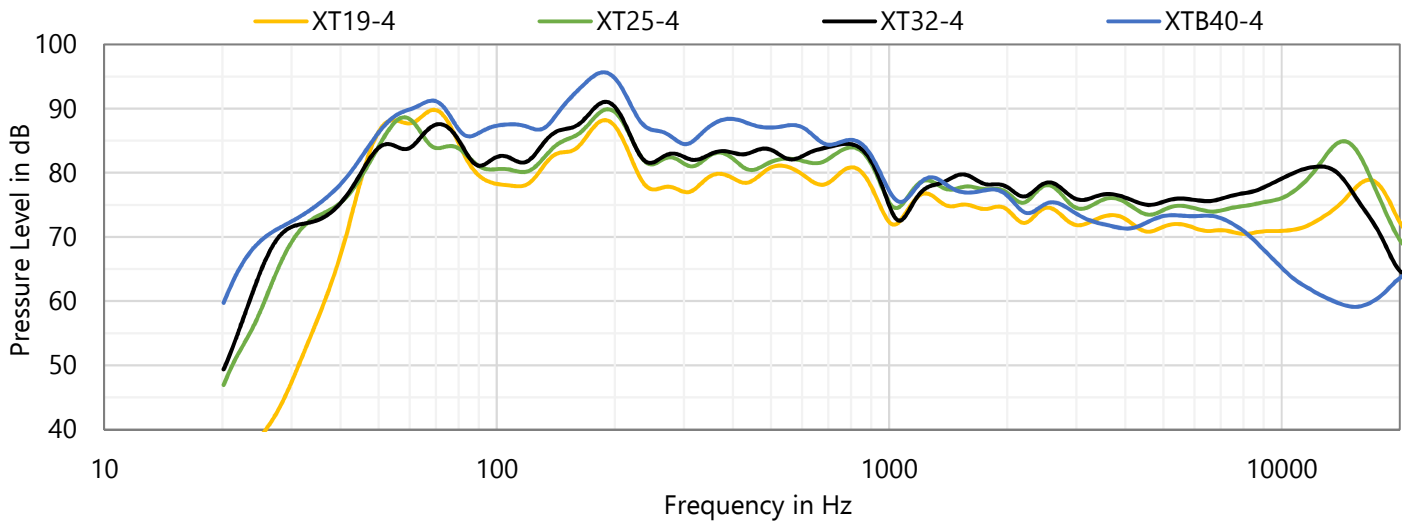
**XT19-4**

**XT25-4**

**XT32-4**

**XTB40-4**

	Xtreme Slim	Xtreme Highs	Xtreme All-round	Xtreme Bass
Long-term Max Power [W]	20	30	40	160
Frequency Range [Hz]	75Hz – 20kHz	40Hz – 19kHz	35Hz – 17kHz	25Hz – 1kHz
Fs Magnet [Hz]	83.8	44.4	40.5	28.9
Motor Efficiency Factor $\beta$ [dB]	2.44	5.88	6.97	14.9
Linear Xmax [mm]	$\pm 1.0$	$\pm 1.4$	$\pm 1.6$	$\pm 2.5$
Mechanical Xmax [mm]	$\pm 2.4$	$\pm 3.0$	$\pm 3.5$	$\pm 5.0$
Total Height [mm]	14.0	21.5	24.8	31.0
Outer Diameter [mm]	36.3	46.8	54.5	65.0
Total Weight [g]	30.0	79.3	133	319



h=14.0mm



h=21.5mm



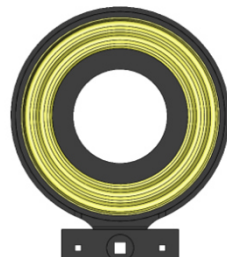
h=24.8mm



h=31.0mm



d=36.3mm



d=46.8mm



d=54.5mm



d=65.0mm