ZETA ZW 200

200 mm MIDWOOFER



The **ZW 200** is the 200 mm midwoofer of the ZETA series, designed for two-way and multi-way systems. With 216 cm² of cone area and a 46.8 Hz resonance it reaches deeper than the ZW 165 and carries the fundamentals up to 300 Hz in a three-way system. A 38 mm voice coil in a neodymium motor drives the NOMEX compound cone, which stays even well into the midrange. The aluminium basket with open spokes lets the air behind the cone move freely.

MEASURED DATA AND SPECIFICATIONS

Electrical

DC resistance	R_{dc}	**2.67**	Ω
Nominal impedance	Z_N	**3**	Ω
Resonance frequency	f_s	**46.8**	Hz

Voice coil

Voice coil diameter		**38**	mm
Voice coil height		**15.5**	mm

Q factors

Mechanical Q factor	Q_{ms}	**5.40**	
Electrical Q factor	Q_{es}	**0.75**	
Total Q factor	Q_{ts}	**0.66**	

Mechanical

Moving mass	M_{ms}	**25.70**	g
Effective piston area	S_d	**216.4**	cm²
Mechanical resistance	R_{ms}	**1.40**	kg/s
Compliance	C_{ms}	**0.451**	mm/N
Force factor	BL	**5.18**	Tm
Equivalent air volume	V_{as}	**29.89**	l

Efficiency

Efficiency	η	**0.39**	%
Sensitivity 1 W / 1 m	SPL	**88.1**	dB
Sensitivity 2.83 V / 1 m	SPL	**92.9**	dB

Installation and construction

Power handling RMS	**150**	W
Power handling max.	**225**	W
Linear excursion X_{max}	**± 4.75**	mm
Outer diameter	**210**	mm
Bolt circle	**198**	mm
Mounting diameter	**183**	mm
Mounting depth	**80**	mm
Cone	**NOMEX compound**	
Basket	**Aluminium**	
Motor	**Neodymium**	

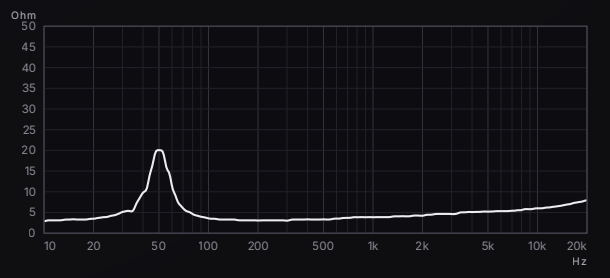
FREQUENCY RESPONSE

1 W / 1 m



IMPEDANCE

free air



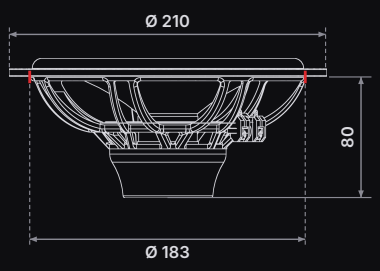
HARMONIC DISTORTION

1 W / 1 m



DIMENSIONS

dimensions in mm



- Recommended active crossover: 63 Hz high-pass, 300 Hz low-pass in a three-way system, Linkwitz-Riley 24 dB/oct. Use an 80 Hz high-pass for high-output applications.