

AUDIOPHILE ACOUSTICS



B2[®]

SWEET LIKE DANISH

REF 8W LOUDSPEAKER

MODEL: REF8W

PRODUCT ID: REF8W20

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INTRODUCTION

Always striving for perfection has been the aim since we founded the company 2 decenniums ago. The REF8W loudspeaker sets a new benchmark for mobile acoustics. The composite cones and dustcaps combined with an enlarged soft suspension ensures every sigle transient is percieved with perfection.

Increasing efficiency in any way possible incorporates the entire design. The voice coil former with inner and outer windings, the vented high energy strontium motor and even the copper shorting ring leaves no doubt. The REF8W is a versatile loudspeaker for a plethora of applications.

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AUDIOPHILE ACOUSTICS

IS THE DNA OF B2 AUDIO. ANY PRODUCT IS DEVELOPED BY ADDING THE UNIQUENESS AND THOUGHT OF EVOLUTION IN THE SPECIFIC APPLICATION OF THE PRODUCT'S DESIGN.

KEEP IN MIND THAT CONTINIOUS EXPOSURE TO SPL ABOVE 100 DB CAN SERIOUSLY DAMAGE YOUR HEARING. TODAY'S HIGH POWER AUTO SOUND SYSTEMS CAN EASILY PRODUCE SPL ABOVE 140 DB. ENJOY YOUR PASSION WITH SENSE AND RESPECT FOR THE ENVIRONMENT.

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DESIGN FEATURES

Ref8w

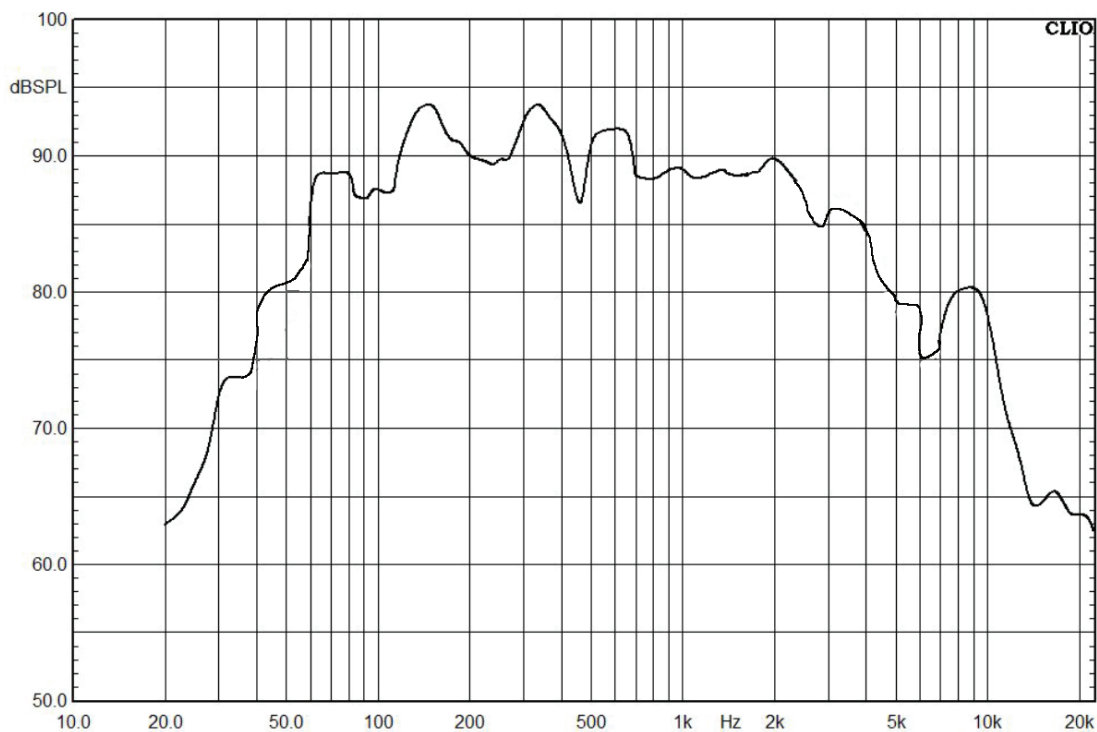
8" midwoofer / midrange loudspeaker

Midwoofer:

8" Black composite cone & dustcap.
Butylene rubber surround.
Linear tall roll spider
GEI - In & Outer wound voice coil former
54 Oz Strontium ferrite slug.
Copper shorting ring.

Thiele Small data:

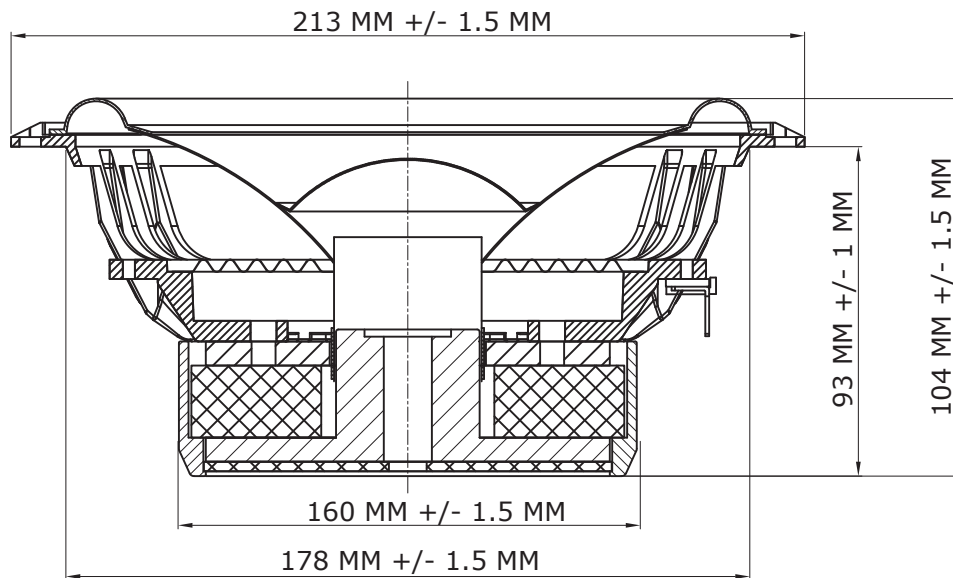
Fs:	42 Hz	Re:	3.6 Ω
Qms:	8.3	Z nom:	4 Ω
Qes:	0.16	Voice coil:	2"
Qts:	0.157	Rms:	1.09
Vas:	11.67 L	Efficiency:	1.2%
Cms:	390 $\mu\text{m/N}$	BL:	14.27 TM
Mms:	32 g	SPL:	95 dB
Power handling:	200 w	Le:	0.2 mH



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DIMENSIONAL DATA

Ref8w



INSTALLATION

Prior to installation, ensure a proper location for the speaker system.

Due to the physical dimensions of the cabin, it is wise to test various points of placements if possible. If oem position is chosen, a good tip is to reinforce the mounting with a mdf ring and seal off leakage from that position. This will enhance mid bass response as well as optimizing overall performance. Do also try with slightly angling the midwoofer to "raise" the sound.

The REF8W can also be used as a front woofer in smaller ported or sealed enclosures. Suggested enclosure space net is 6L / 0.21 cu. ft. ~ 10L / 0.353 cu.ft.

Ported enclosure space net option 1.

12L / 0.424 cu.ft. - FB 50 Hz. Port area 29 cm² / 4.49" - Port length 26.5 cm / 10.43".

Ported enclosure space net option 2.

28L / 0.99 cu. ft. - FB 40 Hz. Port area 44 cm² / 6.816" - Port length 26.6 cm / 10.46".