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CAR LOUDSPEAKERS

SCW10

SOUND CONCEPT

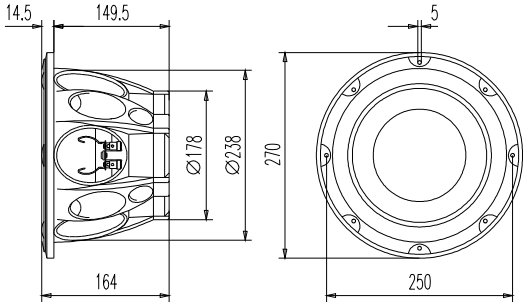
KEY FEATURES

- Excellent power handling (200 W RMS)
- High mechanical resistance fiber glass cone
- Designed for subwoofer and woofer applications

TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm. 10 in.
Nominal impedance	4 ohms
Power handling / Program power	200 W RMS / 400 W
Sensitivity	90 dB 1w @ 1m
Frequency range	30 - 1500 Hz
Voice coil diameter	51.7 mm. 2 in.
Bl factor	9.8 N / A
Moving mass	0.060 Kg.

DIMENSION DRAWINGS

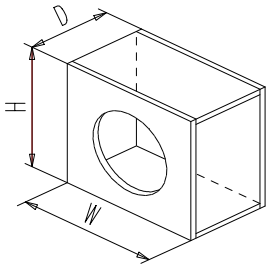


THIELE-SMALL PARAMETERS

Resonance frequency, fs	47 Hz
D.C. resistance, Re	3.5 ohms.
Mechanical quality factor, Qms	5.82
Electrical quality factor, Qes	0.65
Total quality factor, Qts	0.59
Equivalent air volume to Cms, Vas	31 l
Efficiency, ηo (%)	0.5
Effective surface area, Sd	345 cm^2
Maximum displacement, Xmax	4 mm.
Displacement volume, Vd	137 cm^3
Voice coil inductance, Le @ 1 kHz	0.9 mH

CLOSED BOX

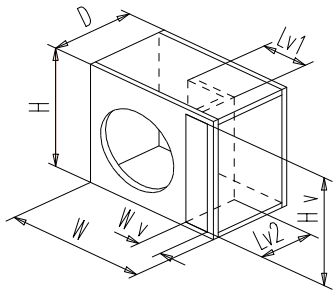
Vol = 28 liters 1 ft^3
H = 300 mm. 11.81 in.
W = 480 mm. 18.90 in.
D = 280 mm. 11.02 in.
Wall thickness = 19 mm. 0.75 in.



Note: the dimensions are external

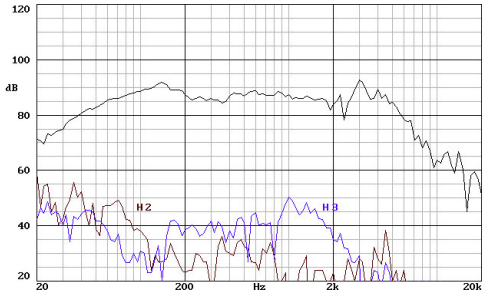
VENTED BOX

Vol = 47 liters 1.66 ft^3
H = 360 mm. 14.17 in.
W = 525 mm. 20.67 in.
D = 340 mm. 13.39 in.
Wall thick. = 19 mm. 0.75 in.
No of vents = 1
Hv x Wv = 320 mm. x 50 mm.
Lv1 = 275 mm. 10.83 in.
Lv2 = 233 mm. 9.17 in.



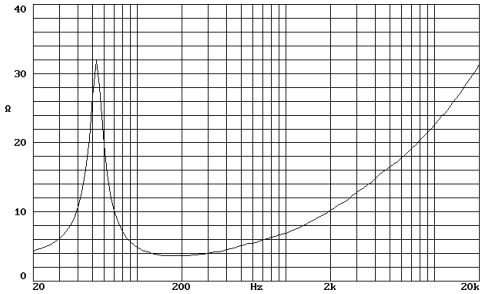
Note: the dimensions are external

FREQUENCY RESPONSE



Note: on axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1w @ 1m.

FREE AIR IMPEDANCE



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