beyma

CAR LOUDSPEAKERS

Experience 12

Experience Sub

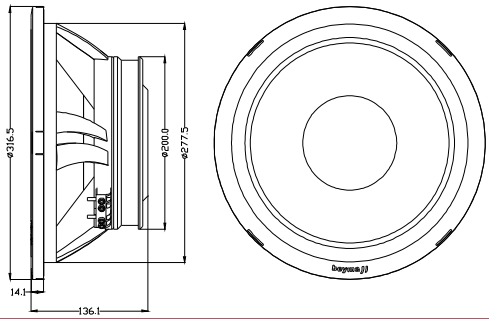
KEY FEATURES

- Superior mechanical resistance carbon fiber cone
- Enduring butyl surround
- 4 layers double winding aluminium voice coil

TECHNICAL SPECIFICATIONS

Nominal diameter	300 mm. 12 in.
Nominal impedance	2 x 4 ohms
Power handling / Max. power	2 x 150 W RMS / 2 x 300 W
Sensitivity	91 dB 1w @ 1m
Frequency range	30 - 1200 Hz
Voice coil diameter	65.5 mm. 2.6 in.

DIMENSION DRAWINGS

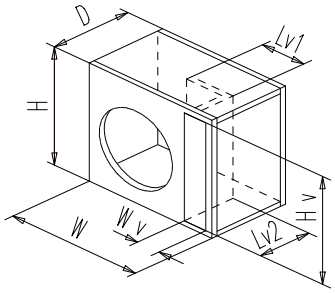


THIELE-SMALL PARAMETERS

Resonance frequency, fs	21 Hz
D.C. resistance, Re	2 x 3.1 ohms.
Mechanical quality factor, Qms	5.34
Electrical quality factor, Qes	0.20
Total quality factor, Qts	0.19
Equivalent air volume to Cms, Vas	197 l
Efficiency, ηo (%)	0.8
Effective surface area, Sd	550 cm^2
Maximum displacement, Xmax	6 mm.
Displacement volume, Vd	327 cm^3
Voice coil inductance, Le @ 1 kHz	5.3 mH

COMPACT BOX

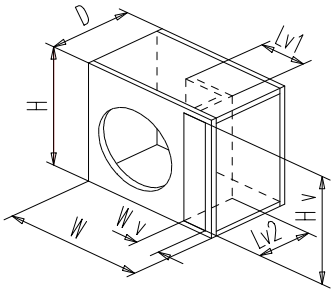
Vol = 51 liters 1.79 ft^3
H = 390 mm. 15.35 in.
W = 500 mm. 19.69 in.
D = 350 mm. 13.78 in.
Wall thickness = 19 mm. 0.75 in.
Hv x Wv = 352 mm. x 40 mm.
13.86 in. x 1.57 in.
Lv1 = 309 mm. 12.16 in.
Lv2 = 291 mm. 11.45 in.



Note: the dimensions are external

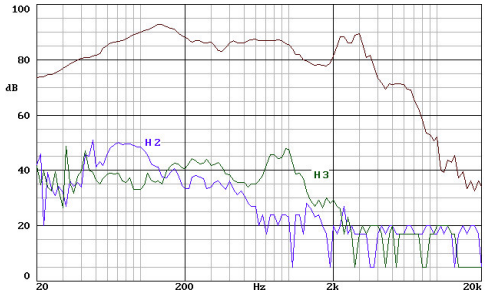
DEEP BASS BOX

Vol = 62 liters 2.18 ft^3
H = 390 mm. 15.35 in.
W = 600 mm. 23.62 in.
D = 350 mm. 13.78 in.
Wall of thick. = 19 mm. 0.75 in.
Hv x Wv = 352 mm. x 40 mm.
13.86 in. x 1.57 in.
Lv1 = 409 mm. 16.1 in.
Lv2 = 291 mm. 11.45 in.



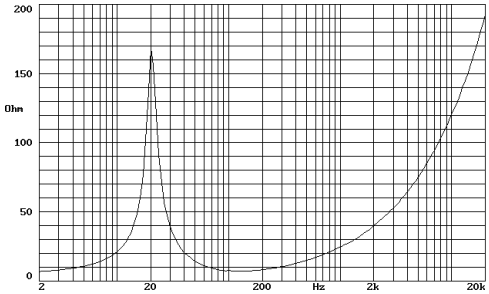
Note: the dimensions are external

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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