



SANWAY AUDIO

<https://www.china-sanway.com>

CS12

CS12 12" Subwoofer Specification Sheet:

12 inches LOW driver Nominal Diameter 12" / 31.5cm

Rated Impedance 8 Ω

Half space sensitivity (1W@1m) 95 dB SPL

Power Handling Capacity 500 W AES

Usable frequency range 35 - 1000 Hz

Speaker net mass 8Kg

Motor architecture

Magnet material - Fe

Voice coil diameter mm 76

Voice coil length mm 26

Air gap height mm 10

Electrical-Parameters

Resonance frequency F_s Hz 45

DC Resistance R_e Ω 4.7

Mechanical quality factor Q_{ms} 7.15

Electrical quality factor Q_{es} 0.4

Total quality factor Q_{ts} 0.38

Suspension compliance C_{ms} mm/N 0.1

Effective piston area S_d m^2 0.532

Equivalent Cas air load V_{as} L 40

Max linear excursion X_{max} mm ± 10

Voice-coil inductance @ 10kHz L_{e10k} mH 0.957

BL product BL Tm 19.88

Moving mass M_{ms} g 118.6

Application information

Speaker net mass 8kg

Baffle cut-out diameter (front mounting) mm 281

Bolt number & Metric diameter - 8x M5

Bolt circle diameter mm 296

Max overall dimension (on ears) mm 315

Flange height mm 16

Max magnet diameter mm 180

Max depth (front mounting) mm 132

