

CX-1280C 12" COAXIAL TRANSDUCER



Features:

- High sensitivity (100 dB 1 W/1 m)
- Constant Coverage H.F. Horn
- Mounts any 1" exit compression driver

Diameter: 300 mm (12 inches)
Nominal Impedance: 8 ohms
Frequency Range: (LF) 80 Hz to 2 kHz
HF Coverage angles: (-6 dB points, nom.)
60° H x 30° V
HF Directivity: 11 dB, 2 kHz-16 kHz (+1,-3dB)
Recommended Crossover Frequency:

1.2 kHz (TOC™ 1R12)
Power Capacity: (LF) 300 watts
Sensitivity: (LF) 99 dB (@2.83v @1 m)
Voice Coil Diameter: 76 mm (3 inches)
Voice Coil Material: edge wound copper
Winding Length: 13 mm (0.51 inches)
Former Material: Kapton
Magnetic Gap Length: 10.5 mm (0.413 in.)
Magnet Weight: 2.7 kg (5 lb 15 oz)
Magnet Assembly Weight: 8.4 kg (18 lb 7 oz)
BL Product: 18.4 Tesla Meters
Effective Piston Diameter: 0.26 m (10.2 in.)
Total Moving Mass (Mms): 42 grams
Mechanical Compliance (Cms): 196 μ M/N

Small Signal Parameters:

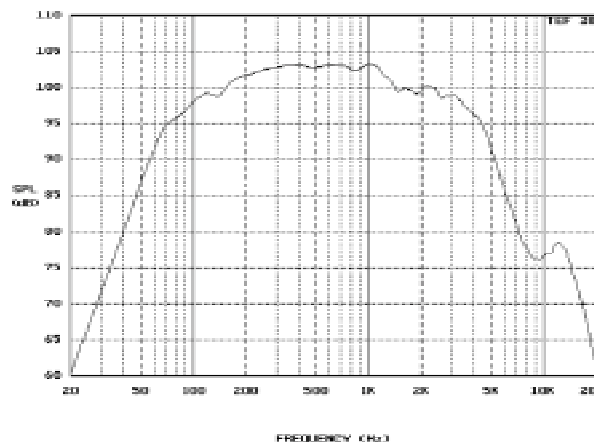
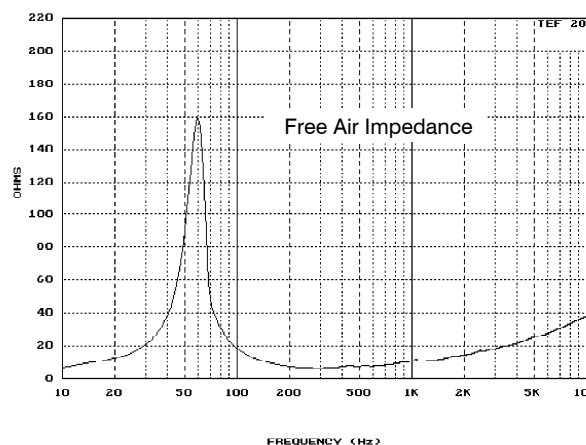
Fs 56 Hz
Qts 0.23
Qms 10.1
Qes 0.24
Vas 61 L (2.1 ft³)
Re 5.6 ohms
 η_0 4.4 %
Le 0.9 mH

Large Signal Parameters:

Sd 0.047m² (73 in²)
Xmax 1.8 mm (0.07 in)
Vd 84 cm³ (5.2 in³)

Mounting Information:

Diameter: 311 mm (12 ¼ in)
Bolt Circle: 292 mm (11 ½ in)
Baffle Cutout: 279 mm (11 in)
Depth: 143 mm (5 5/8 in)
Net Weight: 11.4 kg (25 lbs)
Shipping Weight: 12.7 kg (28 lbs)



On-axis response (above) was done Ground Plane with microphone at 3 meters. The test box is 47 ltr (1.66 ft³). Box frequency is 65 Hz. Driving voltage is 8 vrms.



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