

# MB-1280C 12" MIDBASS TRANSDUCER



## Features:

- Usable response to 5 kHz
- High sensitivity (99 dB 1 W/1 m)
- 76 mm (3") edgewound copper voice coil

**Diameter:** 300 mm (12 inches)  
**Nominal Impedance:** 8 ohms  
**Frequency Range:** 80 Hz to 3 kHz @ -10 dB  
**Highest Recommended Crossover Frequency:**

1500 Hz

**Power Capacity:** 400 watts, continuous

**Sensitivity:** 99 dB (@ 2.83v @1 m)

**Voice Coil Diameter:** 76 mm (3 inches)

**Voice Coil Material:** edgewound 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. 7oz)

**BL Product:** 20 Tesla Meters

**Effective Piston Diameter:** 0.26 m (10.2 in.)

**Total Moving Mass (Mms):** 46 grams

**Mechanical Compliance (Cms):** 280  $\mu$ M/N

## Small Signal Parameters:

**Fs** 53 Hz

**Qts** 0.21

**Qms** 7.5

**Qes** 0.22

**Vas** 81 L, (2.9 feet<sup>3</sup>)

**Re** 5.7 ohms

**$\eta_0$**  5.2 %

**Le** 0.9 mH

## Large Signal Parameters:

**Sd** .053 meters<sup>2</sup>, (82.2 in<sup>2</sup>)

**Xmax** 2.3 mm (.09 in.)

**Vd** 122 cm<sup>3</sup>, (7.39 in<sup>3</sup>)

## Mounting Information:

**Diameter:** 311 mm (12 1/4 in.)

**Bolt Circle:** 292 mm (11 1/2 in.)

### Baffle Cutout:

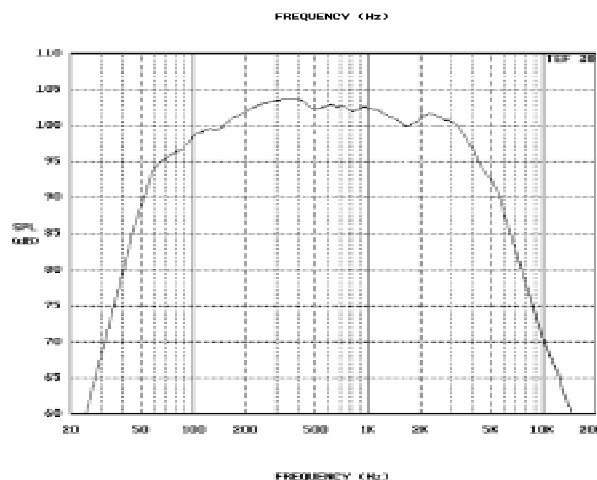
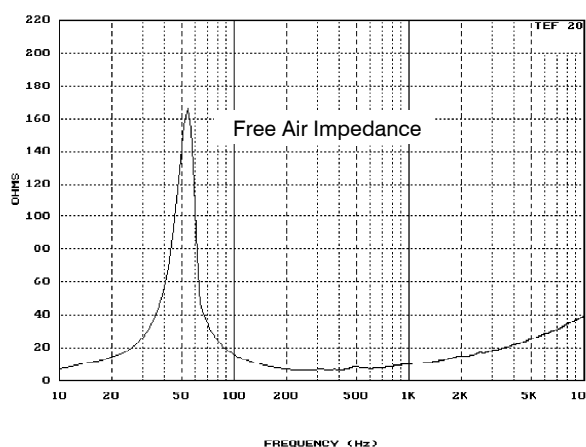
**Front mount:** 279 mm, (11 in.)

**Rear mount:** 276 mm, (10 7/8 in.)

**Overall Depth:** 127 mm (5 in.)

**Net Weight:** 9.9 kg (21 lbs. 11oz.)

**Shipping Weight:** 10.7 kg (23 lbs. 9 1/2 oz.)



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



2270 Cosmos Court, Carlsbad, CA USA 92009  
Professional Voice (760) 431-9924 Fax (760) 431-9496  
Audio Systems [www.pas-toc.com](http://www.pas-toc.com) e-mail [info@pas-toc.com](mailto:info@pas-toc.com)

The Next Phase In Loudspeaker Technology™