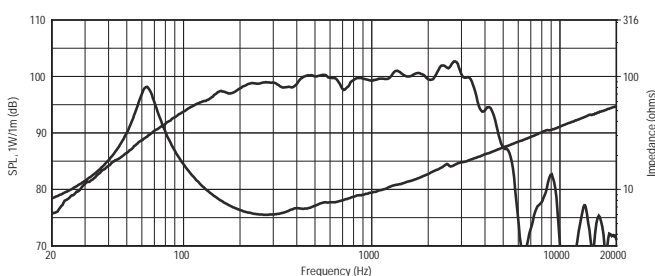


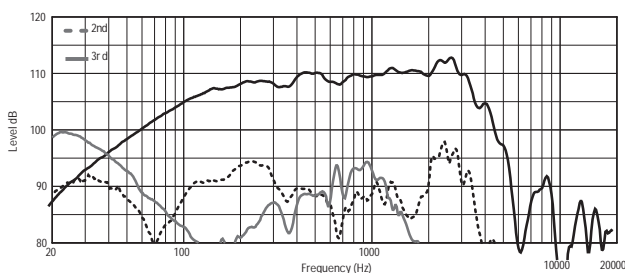


Product Features:

- High efficiency 12" Mid-Bass
- 3 inch voice coil, edgewound aluminium wire
- Excellent transient response
- Ideal for compact two way bass reflex system



Frequency response curve of the loudspeaker taken in a hemispherical, free field environment and mounted in a closed box with an internal volume of 600 liters (21.2 cu. ft.) enclosing the rear of the driver. The impedance magnitude curve is measured in free air.



2nd and 3rd harmonic distortion levels have been raised 20dB. Measurements made at 10% of rated power.

| | | | |
|--------------|-----------------|-------------|-------------------|
| MODEL | MB12G300 | CODE | 111.40.003 |
|--------------|-----------------|-------------|-------------------|

| General Specifications | | | |
|--|---------------------|---------|--|
| Nominal Diameter | 300/11,8 | mm/inch | |
| Rated Impedance | 8 | Ω | |
| Power handling capacity ⁽¹⁾ | 350 | Watts | |
| Program Power ⁽²⁾ | 700 | Watts | |
| Sensitivity 1W, 1m ⁽³⁾ | 98 | dB | |
| Frequency Range | 65 - 5500 | Hz | |
| Effective Piston Diameter | 260/10,2 | mm/inch | |
| Maximum Excursion Before Damage (peak to peak) | 36/1,4 | mm/inch | |
| Minimum Impedance | 5,9 | Ω | |
| Voice Coil Diameter | 76/3 | mm/inch | |
| Voice Coil Material | Edgewound aluminium | | |
| Voice Coil Winding Depth | 16/0,6 | mm/inch | |
| Number of layers | 1 | | |
| Kind of layer | Outside | | |
| Thickness Top Plate Depth | 10/0,4 | mm/inch | |

Thiele - Small Parameters ⁴

| | | | |
|-------------------------------------|------------------|-------|----------------|
| Resonance frequency | F _s | 61 | Hz |
| DC resistance | R _e | 5 | Ω |
| Mechanical factor | Q _{ms} | 5,2 | |
| Electrical factor | Q _{es} | 0,32 | |
| Total factor | Q _{ts} | 0,30 | |
| BL Factor | BL | 16,85 | T x m |
| Effective Moving Mass | M _{ms} | 47 | gr |
| Equivalent C _{as} air load | V _{as} | 57 | liters |
| Effective piston area | S _d | 0,053 | m ² |
| Max. linear excursion | X _{max} | 5,5 | mm |
| Voice - coil inductance @ 1KHz | L _{e1k} | 1,2 | mH |
| Half-space efficiency | Eff | 3,90 | % |

Mounting Information

| | | |
|----------------------|-------------------------|---------|
| Overall Diameter | 320/12,6 | mm/inch |
| Bolt Circle Diameter | 293 - 304 / 11,5 - 11,9 | mm/inch |
| Bolt Hole Diameter | 6,5/0,3 | mm/inch |

Baffle Cutout Diameter

| | | |
|-------------------------------|-----------|------------------------|
| Front Mount | 280/11,0 | mm/inch |
| Rear Mount | 284/11,2 | mm/inch |
| Depth | 138/5,4 | mm/inch |
| Volume occupied by the Driver | 2,60/0,1 | liters/ft ³ |
| Net Weight | 7,30/16,1 | Kg/lbs. |
| Shipping Weight | 8,10/17,8 | Kg/lbs. |

Notes to Specifications

- 1 AES standard (50 - 500) Hz
- 2 Program power is defined as 3dB greater than the nominal rating.
- 3 Sensitivity measurement is based on a 100-500Hz pink noise signal with input power of 2.83V @ 8 Ohms.
- 4 Thiele-Small parameters are measured after a 2 hour warm up period running the loudspeaker at full power handling capacity.