

MID-BASS MB8G200

Professional Low Frequency Transducer

The MBG200 is a professional mid-bass woofer featuring very high output and dynamics. The equipment, used a 2" coil, fibreglass former and copper inside/outside winding, has enabled a very good transient peak response and has allowed good extension on mid-high frequencies. A specially designed M-roll surround guarantee a very low midrange distortion and perfect damping of the spurious resonances. Inverted dust cap for minimum cone break-up.

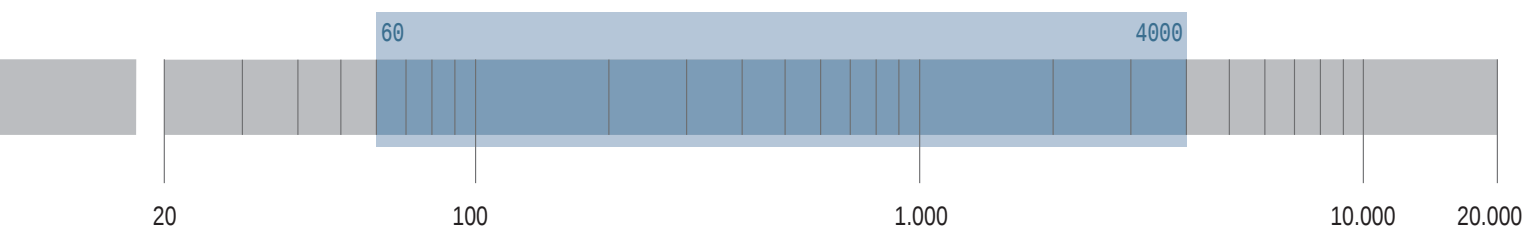
PART NUMBER **11100018**

Features

- 2-inch, fiber glass former, copper voice coil
- 400 Watt continuous program power handling
- 94 dB Sensitivity
- 60 Hz - 4 kHz Frequency range
- Exponential, high strength
- M-roll damped surround

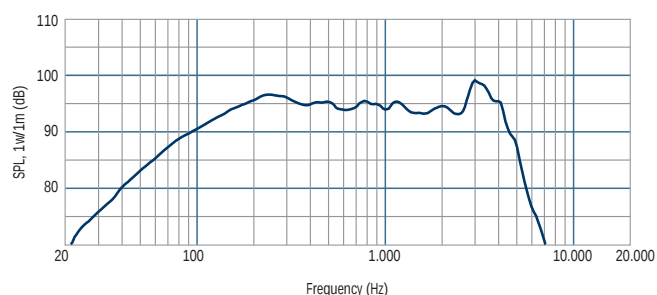
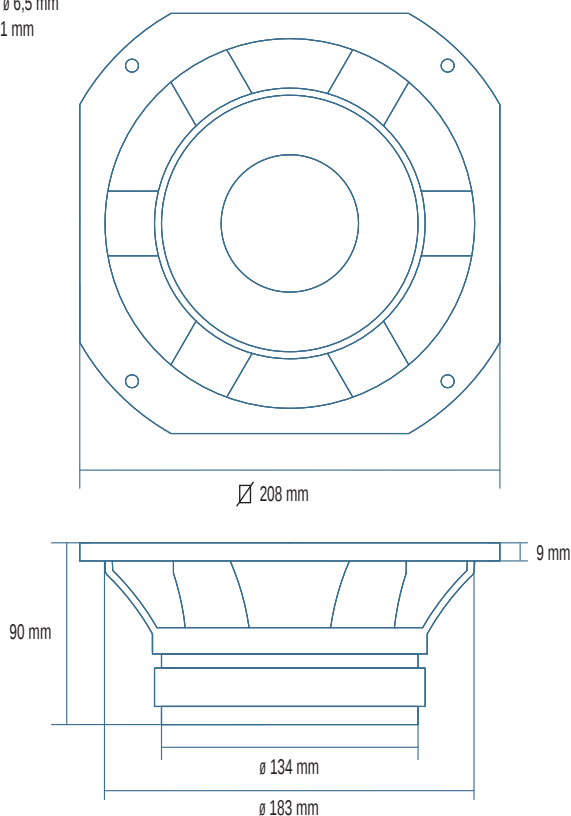
Applications

The MBG200 is the ideal low frequency transducer for very compact, high efficiency, bass reflex systems where the maximum dynamic is required. Specially designed for 2 way satellite systems.

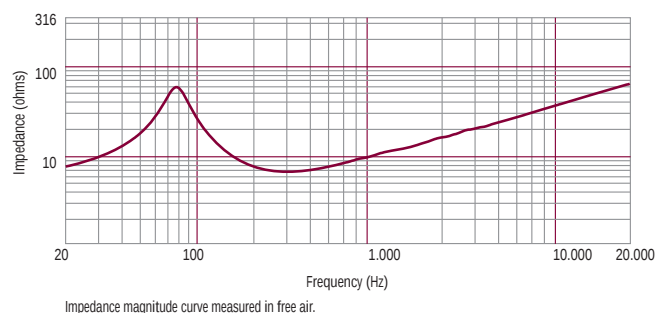




4 holes $\varnothing$ 6,5 mm
on $\varnothing$ 221 mm



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 litres (21.2 cu.ft) enclosing the rear of the driver.



Impedance magnitude curve measured in free air.

Notes to Specifications

1 Program Power is defined as 3 dB greater than AES power. - 2 AES standard. - 3 Sensitivity measurement is based on a 200-2 kHz 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. - 5 The maximum linear excursion is calculated as: $(Hvc - Hg)/2 + Hg/4$ where Hvc is the voice coil depth and Hg the gap depth. - 6 Calculated for front mounting on 18 mm thick board.

General Specifications

Nominal Diameter	200/8	mm/inch
Rated Impedance	8	ohm
Program Power ¹	400	Watts
Power handling capacity ²	200	Watts
Sensitivity ³	94	dB
Frequency Range	60 - 4000	Hz
Effective Piston Diameter	165/6.5	mm/inch
Max Excursion Before Damage (peak to peak)	30/1.2	mm/inch
Minimum Impedance	6.2	ohm
Voice Coil Diameter	51/2	mm/inch
Voice Coil Material	Copper	
Voice Coil Winding Depth	16/0.6	mm/inch
Number of layers	2	
Kind of layer	outside	
Top Plate Thickness	8/0.3	mm/inch
Cone Material	No pressed pulp	
Cone Design	Curved	
Surround Material	Polycotton	
Surround Design	M - roll	

Thiele - Small Parameters ⁴

Resonance frequency	Fs	76	Hz
DC resistance	Re	4.8	ohm
Mechanical factor	Qms	3.7	
Electrical factor	Qes	0.37	
Total factor	Qts	0.33	
BL Factor	BL	12.5	T · m
Effective Moving Mass	Mms	25	gr
Equivalent Cas air load	Vas	11	liters
Effective piston area	Sd	0.021	m ²
Max. linear excursion (mathematical) ⁵	Xmax	6.0	mm
Voice - coil inductance @ 1KHz	Le1K	1.4	mH
Half-space efficiency	Eff	1.26	%

Mounting Information

Overall Diameter	239/9.4	mm/inch
Bolt Circle Diameter	221/8.7	mm/inch
Bolt Hole Diameter	6.5/0.3	mm/inch
Front Mount Baffle Cut-out	184/7.24	mm/inch
Rear Mount Baffle Cut-out	184/7.24	mm/inch
Depth	95/3.7	mm/inch
Volume occupied by the driver ⁶	0.8/0.03	liters/ft3

Shipping Information

Net Weight	3.1/6.8	Kg/Lbs
Shipping Weight	3.3/7.3	Kg/Lbs