

8" - Bass Mid Driver

Studio Range

Applications: Bass Mid in Compact Studio Monitors

- 150 Watt (AES)
- Doped Polymer Cone
- Double Suspensions
- Symmetrical Field Magnet
- Exceptional Frequency Range
- Net Weight: 4.1 Kgs



The BM220.8 uses a symmetrical field magnet system for large linear excursion capability. Double rear suspensions guarantee transient stability at high drive levels. The plastic cone is critically doped for minimal colouration over a wide frequency range with a smooth upper roll off. The Thiele-Small parameters are optimised for relatively small enclosures to give a bass performance that complements the extended midband enabling excellent 2-way systems. This unit combines powerful bass performance with extended low colouration midrange.

Specifications

Nominal Diameter	200 mm
Power Rating	150 Watt (AES)
Sensitivity (1w / 1m)	90 dB
Frequency Range	30 - 5000Hz
Nominal Impedance	8 or 16 ohms
BL Factor	11 N/A
Voice Coil Diameter	38 mm
Voice Coil Material	Copper
Maximum Excursion	25 mm (peak to peak)
Magnetic Assembly Weight	3.6 Kgs
Effective Moving Mass	0.029 Kgs
Compliance	0.0007 M/N
Volume Displacement	0.8 Litres
Connection	5mm Solder Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	34 Hz
Re	5.5 Ohms
Qa	5.04
Qe	0.29
Qt	0.27
Vas	47 Litres
Xmax	±4 mm
Sd	213.82 cm ²
Vd	86 cm ³
Le	0.9 mH

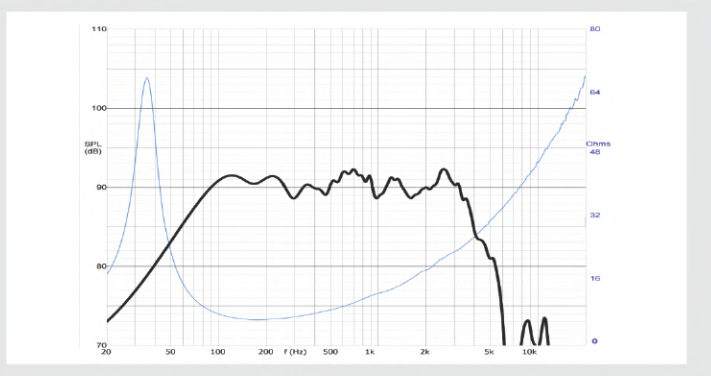
Mounting Information

Overall Diameter	235 mm
Fixing Bolt Diameter	218 mm
Fixing Holes	4 x M5
Front Mount Cut-out Diameter	192 mm
Suggested Rebate Depth	9.5 mm
Depth Below Front Flange	96.5 mm
Total Depth	106 mm
Weight	4.1 Kgs

Suggested Enclosures

Volume in Litres	20	35	50
Vent diameter in Cm	5	5	5
Vent length in Cm	8	7	7
System Q	7	7	7
-3dB Freq in Hz	50	40	35

Response Curve



Dimensions

