

8" - Bass Mid Driver

Pro PA Range

Applications: Bass Mid in Compact PA Systems

- 150 Watt (AES)
- 1.5" Voice Coil
- Double Suspensions
- Symmetrical Field Magnet
- Exceptional Bass Performance
- Net Weight: 4.5 Kgs



The BM220.1 features a symmetrical field magnet, dual rear suspensions and an extended voice coil for exceptional bass performance at high power levels. It is suitable for use singly or in multiples in compact high power systems where space is at a premium. Operation in a 5 litre sealed box offers an exceptional combination of bass punch, sound level and reliability. The BM220.1 is a robust and well proven unit designed for bass-midrange use in small enclosures right down to minute sealed boxes.

Specifications

Nominal Diameter	200 mm
Power Rating	150 Watt (AES)
Sensitivity (1w / 1m)	91 dB
Frequency Range	40 - 2500Hz
Nominal Impedance	4, 8 or 16 ohms
BL Factor	12.7 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	0.030 Kgs
Compliance	0.00068 M/N
Volume Displacement	0.8 Litres
Connection	5mm Solder Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	35 Hz
Re	5.7 Ohms
Qa	1.5
Qe	0.23
Qt	0.2
Vas	43 Litres
Xmax	±5.5 mm
Sd	214 cm ²
Vd	117 cm ³
Le	1 mH

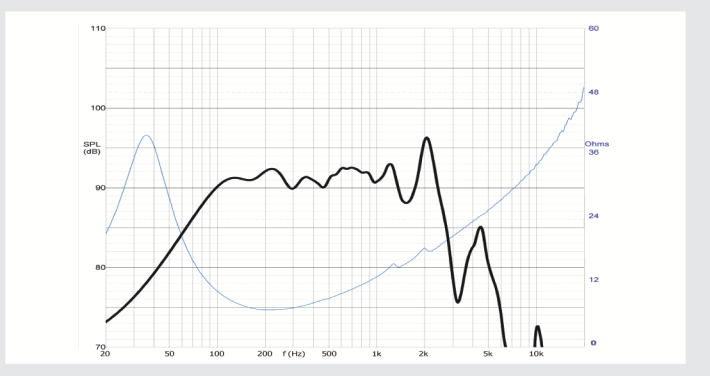
Mounting Information

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	4.5 Kgs

Suggested Enclosures

Volume in Litres	3	6	10	
Vent diameter in Cm	Sealed-	5	5	
Vent length in Cm	Box	4	10	
System Q		7	7	
-3dB Freq in Hz		120	85	65

Response Curve



Dimensions

