

## 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 - 3000Hz
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 <sup>2</sup>
Vd	86 cm <sup>3</sup>
Le	0.9 mH

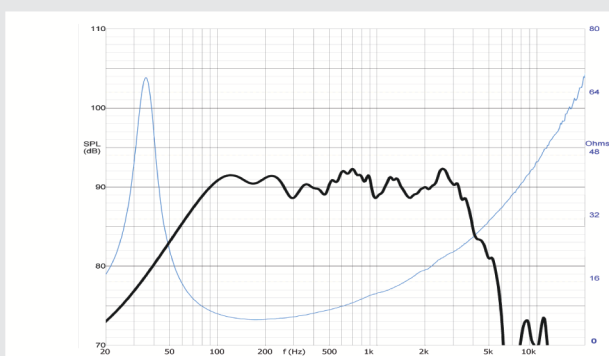
#### Mounting Information

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

