

8" - Sub Bass Driver

Studio Range

Applications: Studio Sub Bass

- 150 Watt (AES)
- Doped Cone
- Heavy duty 8" Chassis
- Symmetrical Field Magnet
- Exceptional Sub Bass Performance
- Net Weight: 4.1 Kgs



The SB220.1 has been optimised for bass performance in sub-woofer applications. It uses a vented, symmetrical field magnet system with an exceptionally long voice coil for large linear excursion capability. The cone uses a long fibred pulp for rigidity and with the dustcap, is damped by a coat of glossy black dope. Suspension stiffness and excursion is optimised for tight control over high power transients.

The Thiele-Small parameters are ideal for easy use in small sealed, vented or bandpass enclosures to give extended bass performance.

Specifications

Nominal Diameter	200 mm
Power Rating	150 Watt (AES)
Sensitivity (1w / 1m)	86 dB
Frequency Range	25 - 1000Hz
Nominal Impedance	4 or 8 ohms
BL Factor	9.5 N/A
Voice Coil Diameter	38 mm
Voice Coil Material	Copper
Maximum Excursion	30 mm (peak to peak)
Magnetic Assembly Weight	3.6 Kgs
Effective Moving Mass	0.044 Kgs
Compliance	0.00038 M/N
Volume Displacement	0.8 Litres
Connection	5mm Solder Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	39 Hz
Re	5.1 Ohms
Qa	3.95
Qe	0.61
Qt	0.53
Vas	27 Litres
Xmax	±14 mm
Sd	227 cm ²
Vd	317 cm ³
Le	1.6 mH

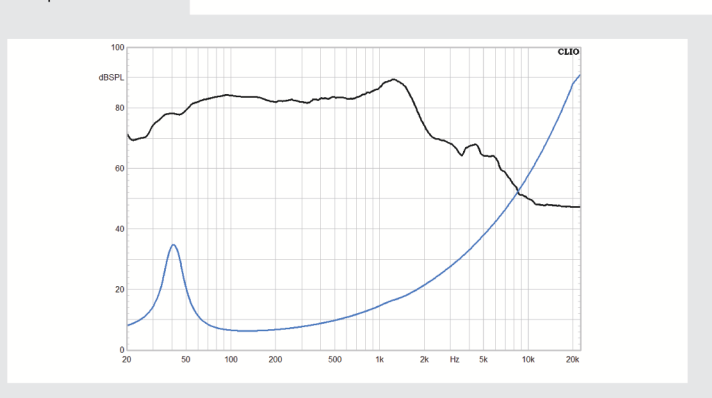
Mounting Information

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	108.5 mm
Total Depth	118 mm
Weight	4.1 Kgs

Suggested Enclosures

Volume in Litres	20	35
Vent diameter in Cm	Sealed-	5
Vent length in Cm	Box	14
System Q	0	10
-3dB Freq in Hz	53	36

Response Curve



Dimensions

