

10" - Bass Driver

Studio Range

Applications: Bass in Studio Monitors

- 150 Watt (AES)
- Doped Cone
- Dual Suspensions
- Symmetrical Field Magnet
- Exceptional Bass Performance
- Net Weight: 4.9 Kgs



The B250.8 features a symmetrical field magnet and long voice coil for large linear excursion capability. It also has double rear suspensions whose characteristics are matched to that of the motor assembly for stability and linearity at high drive levels. An extended centre pole is utilised to minimise distortion inducing inductance swing at high power levels. The Thiele-Small parameters are optimised for bass extension.

Specifications

Nominal Diameter	250 mm
Power Rating	150 Watt (AES)
Sensitivity (1w / 1m)	91.5 dB
Frequency Range	24 - 1000Hz
Nominal Impedance	4, 8 or 16 ohms
BL Factor	11.9 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	0.040 Kgs
Compliance	0.00061 M/N
Volume Displacement	1.1 Litres
Connection	5mm Solder Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	32 Hz
Re	6.1 Ohms
Qa	2.21
Qe	0.35
Qt	0.3
Vas	89 Litres
Xmax	±5.5 mm
Sd	323.65 cm ²
Vd	178 cm ³
Le	1 mH

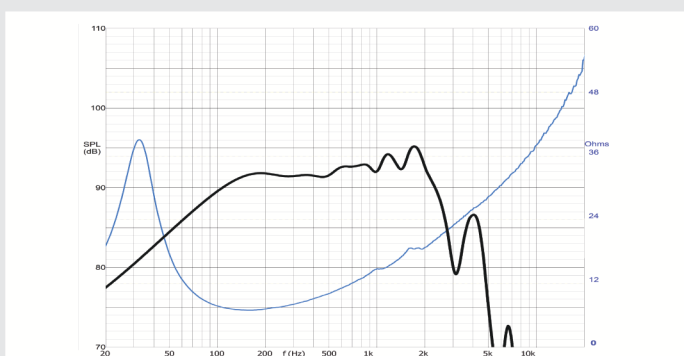
Mounting Information

Overall Diameter	285 mm
Fixing Bolt Diameter	268 mm
Fixing Holes	4 x M5
Front Mount Cut-out Diameter	253 mm
Suggested Rebate Depth	9.5 mm
Depth Below Front Flange	109.5 mm
Total Depth	119 mm
Weight	4.9 Kgs

Suggested Enclosures

Volume in Litres	35	60	90
Vent diameter in Cm	7.5	7.5	7.5
Vent length in Cm	14	11	11
System Q	7	7	7
-3dB Freq in Hz	44	38	30

Response Curve



Dimensions

