VOLT LOUDSPEAKERS

B2549

10” - Sub Bass Driver

Studio Range

Applications:

Studio
Sub Bass

- 200 Watt (AES)
- Doped Cone
- Heavy duty 10” Chassis
- High Linear Excursion
- Exceptional Sub Bass Performance
- Net Weight: 5.8 Kgs

The B2549 uses a heavy, doped cone, large rubber surround and a rigid plastic dustcap that can make high excursions with true piston movement. The stacked magnet assembly is rear vented for cooling and is deep enough to allow exceptional peak to peak travel well in excess of the substantial linear capability without bottoming out.
The design and construction of the B2549 is dedicated to maximising no compromise sub bass reproduction.

Specifications

Nominal Diameter	250 mm
Power Rating	200 Watt (AES)
Sensitivity (1w / 1m)	86 dB
Frequency Range	18 - 500Hz
Nominal Impedance	4 or 8 ohms
BL Factor	14.6 N/A
Voice Coil Diameter	50 mm
Voice Coil Material	Copper
Maximum Excursion	36 mm (peak to peak)
Magnetic Assembly Weight	3.7 Kgs
Effective Moving Mass	0.096 Kgs
Compliance	0.00047 M/N
Volume Displacement	1.2 Litres
Connection	Metal Push Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	24 Hz
Re	5.8 Ohms
Qa	1.80
Qe	0.39
Qt	0.32
Vas	74 Litres
Xmax	±10 mm
Sd	337 cm2
Vd	337 cm3
Le	0.95 mH

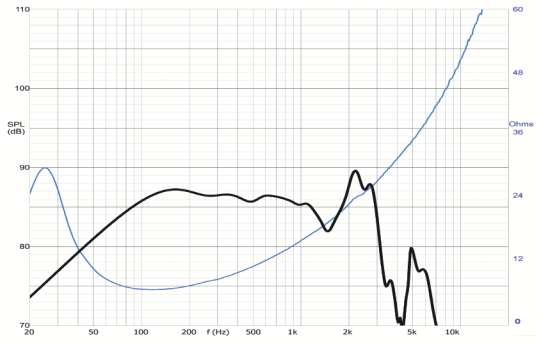
Mounting Information

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	122.5 mm
Total Depth	132 mm
Weight	5.8 Kgs

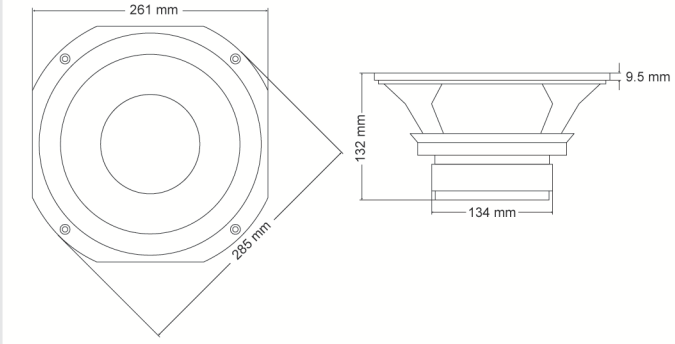
Suggested Enclosures

Volume in Litres	10	30	100
Vent diameter in Cm	Sealed-	7.5	7.5
Vent length in Cm	Box	44	31
System Q	0.7	10	20
-3dB Freq in Hz	55	30	18

Response Curve



Dimensions



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