VOLT LOUDSPEAKERS

RV3113

12” - Bass Mid Driver

Pro PA Range

Applications:
Bass Mid in PA Systems

- 300 Watt (AES)
- Exceptionally Low Power Compression
- 12” Radial Chassis
- Vented Magnet
- Multi-Finned Magnet Intercooler
- Net Weight: 6.8 Kgs

The RV3113 features three cooling systems. In addition to the usual vented magnet it uses the patented Radial chassis, which acts as a giant heatsink, plus a multi-finned magnet intercooler. This keeps voice coil and magnet temperatures exceptionally low resulting in superb reliability, 3dB less power compression and tight, clean bass even after prolonged operation at maximum power. The RV3113 has a symmetrical field magnet for absolute linearity and transient control on high power peak inputs. It's smooth, extended midband response rolls off at 24dB/octave enabling simple crossover design. The RV3113 is a unique loudspeaker that uses Radial Technology to allow exceptional power handling and reliability. The bass and midrange are balanced to allow easy design of a small, high performance system or usage in outstanding quality bass guitar systems.

Specifications

Nominal Diameter	310 mm
Power Rating	300 Watt (AES)
Sensitivity (1w / 1m)	96 dB
Frequency Range	50 - 3000Hz
Nominal Impedance	4, 8 or 16 ohms
BL Factor	12.2 N/A
Voice Coil Diameter	75 mm
Voice Coil Material	Copper
Maximum Excursion	36 mm (peak to peak)
Magnetic Assembly Weight	5 Kgs
Effective Moving Mass	0.042 Kgs
Compliance	0.00023 M/N
Volume Displacement	3 Litres
Connection	Metal Push Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	51 Hz
Re	5.2 Ohms
Qa	5.76
Qe	0.47
Qt	0.43
Vas	75 Litres
Xmax	±4 mm
Sd	479 cm2
Vd	191 cm3
Le	1 mH

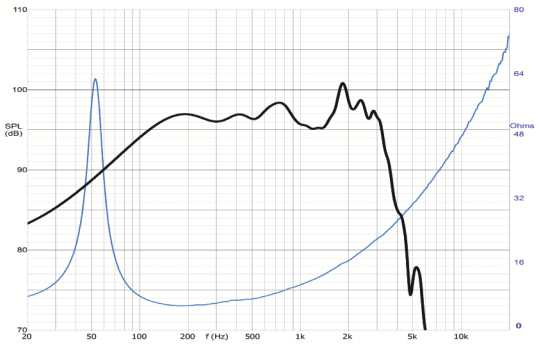
Mounting Information

Overall Diameter	310 mm
Fixing Bolt Diameter	292 mm
Fixing Holes	8 x M6
Front Mount Cut-out Diameter	280 mm
Suggested Rebate Depth	14 mm
Depth Below Front Flange	138 mm
Total Depth	152 mm
Weight	6.8 Kgs

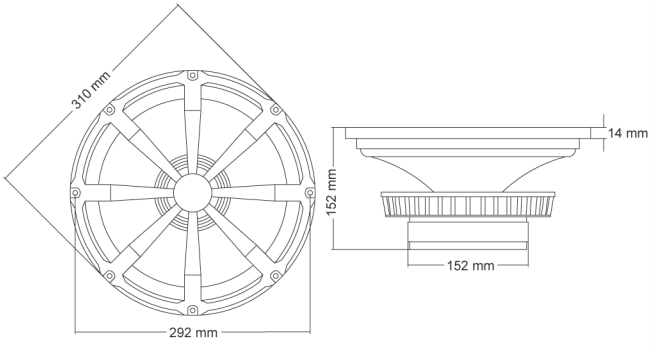
Suggested Enclosures

Volume in Litres	20	50	75
Vent diameter in Cm	Sealed-	10	10
Vent length in Cm	Box	8	5
System Q	1	10	10
-3dB Freq in Hz	95	60	50

Response Curve



Dimensions



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