

12" - Bass Mid Driver

Pro PA Range

Applications: Bass Mid in PA Systems

- 400 Watt (AES)
- Exceptionally Low Power Compression
- 12" Radial Chassis
- High Efficiency
- Multi-Finned Magnet Intercooler
- Net Weight: 9.9 Kgs



The RV3153 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 RV3153 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 RV3153 is a unique loudspeaker that uses Radial Technology to allow exceptional power handling and reliability. This unit is balanced for use in efficient, compact satellite systems where midrange clarity and projection are critical. It is an ideal complement to subwoofers using the RV3823 or RV4504.

Specifications

Nominal Diameter	310 mm
Power Rating	400 Watt (AES)
Sensitivity (1w / 1m)	98.5 dB
Frequency Range	50 - 3000Hz
Nominal Impedance	4, 8 or 16 ohms
BL Factor	13.9 N/A
Voice Coil Diameter	75 mm
Voice Coil Material	Copper
Maximum Excursion	36 mm (peak to peak)
Magnetic Assembly Weight	8.1 Kgs
Effective Moving Mass	0.033 Kgs
Compliance	0.0003 M/N
Volume Displacement	3 Litres
Connection	Metal Push Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	51 Hz
Re	5.1 Ohms
Qa	6.58
Qe	0.28
Qt	0.27
Vas	96 Litres
Xmax	±4 mm
Sd	479 cm ²
Vd	191 cm ³
Le	0.95 mH

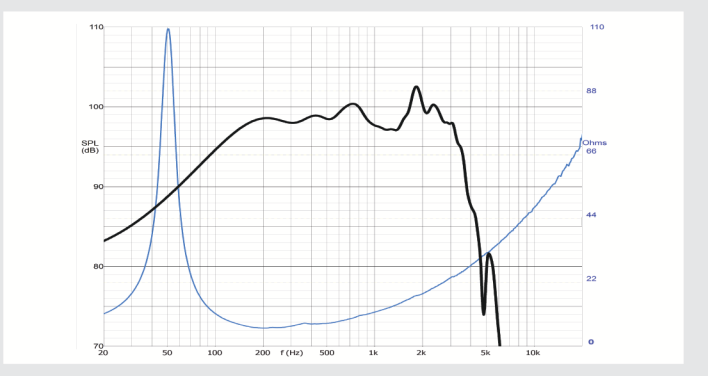
Mounting Information

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	145 mm
Total Depth	159 mm
Weight	9.9 Kgs

Suggested Enclosures

Volume in Litres	20	30	40
Vent diameter in Cm	7.5	10	10
Vent length in Cm	5.5	5	5
System Q	7	7	7
-3dB Freq in Hz	95	85	80

Response Curve



Dimensions

