VOLT LOUDSPEAKERS

RVCXD3153

12” - Full Range Driver

Pro PA Range

Applications:
Full Range
PA Systems

- 400 Watt (AES)
- Exceptionally Low Power Compression
- Coaxial 12” Radial Chassis
- High Efficiency
- Integral Crossover and Compression Driver
- Net Weight: 12.3 Kgs

The RVCXD3153 uses the Radial chassis with a rear mounted BMS 4548 compression driver. It features excellent vocal projection and clarity along with high power handling and sensitivity. A matching crossover integrates the two transducers to give a smooth controlled response both on and off axis. Since the conventional vented magnet cooling system is not possible in a coaxial unit the front mounted Radial chassis plus a multi-finned magnet intercooler provide unequalled cooling for maximum reliability and 3dB less power compression. A diffraction horn, flush mounted in the central hub, enables a smooth full-range response unlike the normal, central horn which interferes with cone radiation. Dispersion is 90°H X 60°V for more precise coverage compared to central conical horn types.

Specifications

Nominal Diameter	310 mm
Power Rating	400 Watt (AES)
Sensitivity (1w / 1m)	98.5 dB
Frequency Range	50 - 19000Hz
Nominal Impedance	8 ohms
BL Factor	15.3 N/A
Voice Coil Diameter	75 mm
Voice Coil Material	Copper
Maximum Excursion	36 mm (peak to peak)
Magnetic Assembly Weight	8 Kgs
Effective Moving Mass	0.035 Kgs
Compliance	0.0003 M/N
Volume Displacement	3.4 Litres
Connection	80cm Flying Leads
Chassis	Diecast Aluminium
Horn Dispersion	90°H x 60°V
Crossover Frequency	3000Hz

Thiele-Small Parameters

Fs	50 Hz
Re	5.15 Ohms
Qa	6.58
Qe	0.24
Qt	0.23
Vas	95 Litres
Xmax	±4 mm
Sd	479 cm2
Vd	191 cm3
Le	0.8 mH

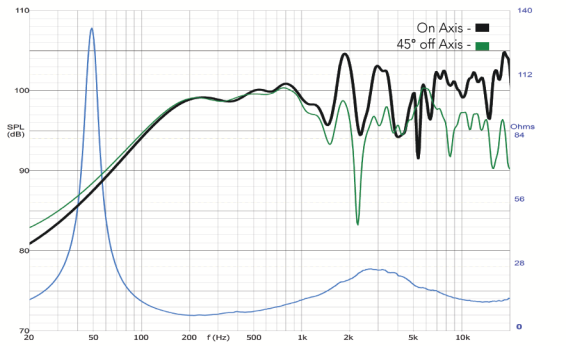
Mounting Information

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	191 mm
Total Depth	205 mm
Weight	12.3 Kgs

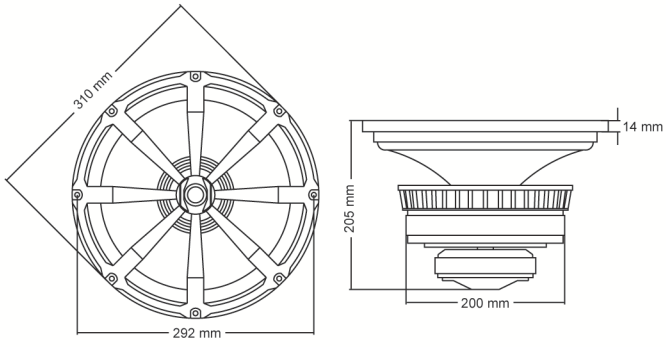
Suggested Enclosures

Volume in Litres	20	35	50
Vent diameter in Cm	7.5	7.5	10
Vent length in Cm	5	2.7	4
System Q	10	10	10
-3dB Freq in Hz	90	70	65

Response Curve



Dimensions



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