

15" - Bass Mid Driver

Pro PA Range

Applications: Bass Mid in PA Systems

- 500 Watt (AES)
- Exceptionally Low Power Compression
- 15" Radial Chassis
- Vented Magnet
- Multi-Finned Magnet Intercooler
- Net Weight: 10.8 Kgs



The RV3813 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 temperatures exceptionally low resulting in 3dB less power compression and tight, clean bass after prolonged operation at maximum power. It has a doped linen surround, a symmetrical field magnet and performance equivalent to a unit with a 100 mm voice coil. The RV3813 is a unique loudspeaker that uses Radial Technology to enable exceptional power handling and reliability. It is ideally suited for use in two way systems with a horn and compression driver or as a stand alone driver in a bass guitar system.

Specifications

Nominal Diameter	380 mm
Power Rating	500 Watt (AES)
Sensitivity (1w / 1m)	98 dB
Frequency Range	35 - 2500Hz
Nominal Impedance	8 or 16 ohms
BL Factor	16 N/A
Voice Coil Diameter	75 mm
Voice Coil Material	Copper
Maximum Excursion	38 mm (peak to peak)
Magnetic Assembly Weight	8.3 Kgs
Effective Moving Mass	0.067 Kgs
Compliance	0.0003 M/N
Volume Displacement	6 Litres
Connection	Metal Push Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	35 Hz
Re	5.1 Ohms
Qa	2.44
Qe	0.35
Qt	0.31
Vas	251 Litres
Xmax	±4.5 mm
Sd	760 cm ²
Vd	342 cm ³
Le	0.9 mH

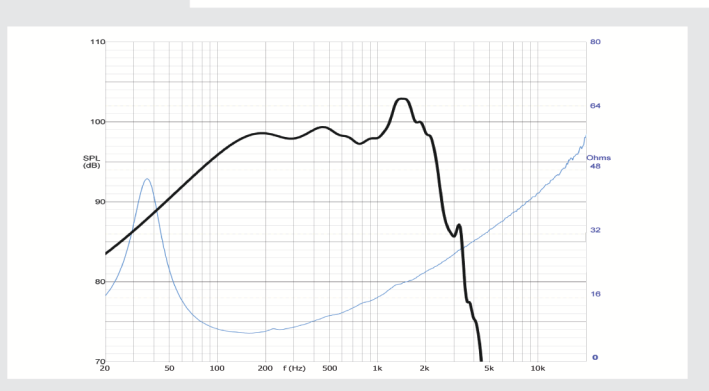
Mounting Information

Overall Diameter	387 mm
Fixing Bolt Diameter	370 mm
Fixing Holes	8 x M6
Front Mount Cut-out Diameter	357 mm
Suggested Rebate Depth	14 mm
Depth Below Front Flange	179 mm
Total Depth	193 mm
Weight	10.8 Kgs

Suggested Enclosures

Volume in Litres	70	85	100
Vent diameter in Cm	10	10	10
Vent length in Cm	9.5	6.5	4.4
System Q	10	10	7
-3dB Freq in Hz	60	55	50

Response Curve



Dimensions

