VOLT LOUDSPEAKERS

RV3863

15” - Bass Driver

Studio Range

Applications:
Bass in
Studio Monitors

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

The RV3863 features three cooling systems. In addition to a 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 compared to a conventional chassis and tight, clean bass after prolonged operation at maximum power. The symmetrical field magnet system has an extended pole for linear excursions and maximum cooling for the 4 layer voice coil. The cone is doped for minimal colouration.
The RV3863 is a unique loudspeaker that uses Radial Technology to allow exceptional power handling and reliability.

Specifications

Nominal Diameter	380 mm
Power Rating	400 Watt (AES)
Sensitivity (1w / 1m)	94 dB
Frequency Range	25 - 500Hz
Nominal Impedance	8 or 16 ohms
BL Factor	19.3 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	0.119 Kgs
Compliance	0.000253 M/N
Volume Displacement	6 Litres
Connection	Metal Push Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	29 Hz
Re	5.8 Ohms
Qa	4.03
Qe	0.33
Qt	0.31
Vas	205 Litres
Xmax	±7.5 mm
Sd	760 cm2
Vd	570 cm3
Le	3.1 mH

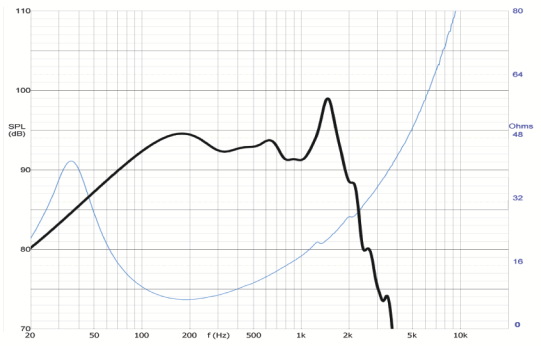
Mounting Information

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

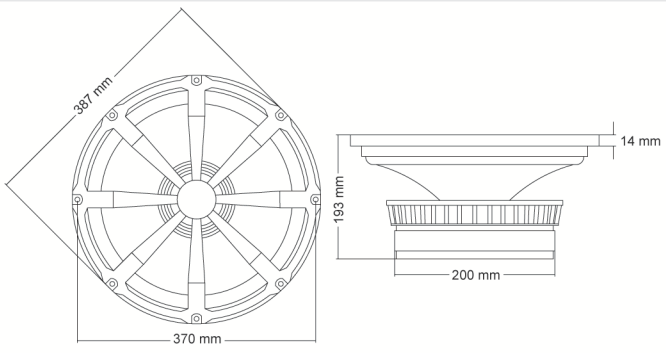
Suggested Enclosures

Volume in Litres	100	140	200
Vent diameter in Cm	2x10	2x10	3x10
Vent length in Cm	22	17	32
System Q	7	7	7
-3dB Freq in Hz	41	35	29

Response Curve



Dimensions



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