

## 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 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	0.11 Kgs
Compliance	0.00009 M/N
Volume Displacement	6 Litres
Connection	Metal Push Terminals
Chassis	Diecast Aluminium

#### Thiele-Small Parameters

Fs	35 Hz
Re	5.6 Ohms
Qa	3.5
Qe	0.38
Qt	0.34
Vas	150 Litres
Xmax	±7.5 mm
Sd	760 cm <sup>2</sup>
Vd	570 cm <sup>3</sup>
Le	3.4 mH

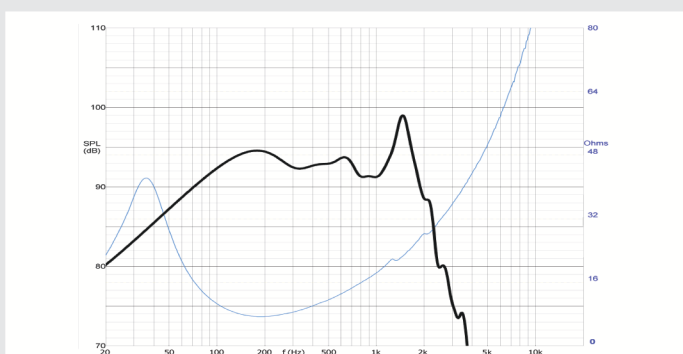
#### Mounting Information

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	16.5	17	26.5
System Q	7	7	7
-3dB Freq in Hz	43	35	30

#### Response Curve



#### Dimensions

