

## 15" - Bass Driver

## Pro PA Range

### Applications: Bass 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 RV3823 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. The RV3823 has a symmetrical field magnet, double rear suspensions, rubber surround and a 4-layer voice coil. The RV3823 is a unique loudspeaker that uses Radial Technology to allow exceptional power handling and reliability. It is optimised for use in high power sub bass systems where sound quality and maximum dynamic range are essential.

#### Specifications

Nominal Diameter	380 mm
Power Rating	500 Watt (AES)
Sensitivity (1w / 1m)	96 dB
Frequency Range	30 - 500Hz
Nominal Impedance	8 or 16 ohms
BL Factor	20 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	0.094 Kgs
Compliance	0.00008 M/N
Volume Displacement	6 Litres
Connection	Metal Push Terminals
Chassis	Diecast Aluminium

#### Thiele-Small Parameters

Fs	58 Hz
Re	5.6 Ohms
Qa	3.47
Qe	0.49
Qt	0.43
Vas	66 Litres
Xmax	±4.5 mm
Sd	760 cm <sup>2</sup>
Vd	342 cm <sup>3</sup>
Le	0.9 mH

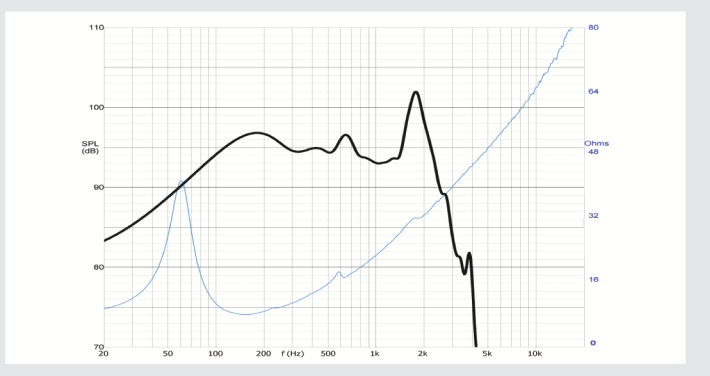
#### Mounting Information

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	85	110	150
Vent diameter in Cm	2x10	2x10	2x10
Vent length in Cm	12	9.5	9.5
System Q	10	7	10
-3dB Freq in Hz	50	45	38

#### Response Curve



#### Dimensions

