

# RV4564

### 18" - Bass Driver

## **Studio Range**

# **Applications:**Bass in Studio Monitors

- 750 Watt (AES)
- Exceptionally Low Power Compression
- 18" Radial Chassis
- Optimised For Sub Bass
- 4" Voice Coil
- Net Weight: 17 Kgs



The RV4564 bass unit is optimised for accurate bass reproduction. It has a massive Xmax, a symmetrical field magnet and extended centre pole for linear excursions up to 25mm peak to peak with accuracy and control. The critically doped carbon fibre loaded cone maintains rigidity for transient punch and slam. It features three cooling systems: a vented magnet, the patented Radial chassis and a multi-finned magnet intercooler. This technology keeps voice coil temperatures exceptionally low and substantially reduces power compression to maintain the full dynamic range even after prolonged operation. Additionally the stability of the Thiele-Small parameters resulting from cooler operation preserves system bass performance at high levels. The RV4564 is intended for use in high power professional studio monitors and sub bass systems.

#### Specifications

Nominal Diameter 450 mm Power Rating 750 Watts Sensitivity (1w / 1m) 93 dB 30 - 500Hz Frequency Range Nominal Impedance 4 or 8 ohms 25.7 N/A **BL** Factor Voice Coil Diameter 100 mm Voice Coil Material Copper Maximum Excursion 44 mm (peak to peak) 11.5 Kgs Magnetic Assembly Weight Effective Moving Mass 0.235 Kgs 0.00016 M/N Compliance Volume Displacement Metal Push Terminals Connection Diecast Aluminium

#### Thiele-Small Parameters

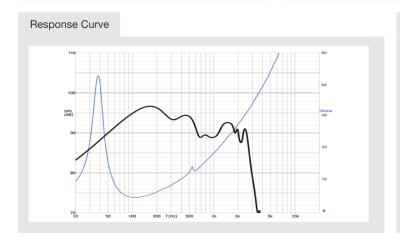
Fs	26 Hz
Re	5.8 Ohms
Qa	3.94
Qe	0.34
Qt	0.31
Vas	238 Litres
Xmax	±12.5 mm
Sd	1029 cm2
Vd	1286 cm3
Le	3.8 mH

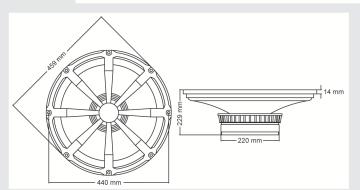
#### **Mounting Information**

Overall Diameter Fixing Bolt Diameter Fixing Holes Front Mount Cut-out Diameter Suggested Rebate Depth Depth Below Front Flange Total Depth Weight	459 mm 440 mm 8 x M6 417 mm 14 mm 215 mm 229 mm 17 Kgs
----------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------

#### Suggested Enclosures

Volume in Litres	100	200	300
Vent diameter in Cm	3x10	5x10	6x10
Vent length in Cm	48	57	64
System Q	10	10	10
-3dB Freq in Hz	37	28	23





Dimensions