

## 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
Frequency Range	30 - 500Hz
Nominal Impedance	4 or 8 ohms
BL Factor	25.7 N/A
Voice Coil Diameter	100 mm
Voice Coil Material	Copper
Maximum Excursion	44 mm (peak to peak)
Magnetic Assembly Weight	11.5 Kgs
Effective Moving Mass	0.235 Kgs
Compliance	0.00016 M/N
Volume Displacement	13 Litres
Connection	Metal Push Terminals
Chassis	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 cm <sup>2</sup>
Vd	1286 cm <sup>3</sup>
Le	3.8 mH

#### Mounting Information

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

#### Response Curve



#### Dimensions

