VOLT LOUDSPEAKERS

RV4504

18” - Bass Driver

Pro PA Range

Applications:
Bass in
PA Systems

- 750 Watt (AES)
- Exceptionally Low Power Compression
- 18” Radial Chassis
- Optimised For Reflex Enclosures
- 4” Voice Coil
- Net Weight: 17 Kgs

The RV4504 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. A rugged voice coil able to accept high power transients coupled with lower operating temperatures means greater reliability and a long working life. The RV4504 has double rear suspensions, special rubber surround, carbon fibre reinforced cone and a symmetrical field magnet for absolute linearity and transient control on high power peak inputs. Maximum damage limited cone excursion is 50 mm (2"). The RV4504 is a unique loudspeaker that uses Radial Technology and is optimised for ultimate bass reflex system performance.

Specifications

Nominal Diameter	450 mm
Power Rating	750 Watts
Sensitivity (1w / 1m)	96 dB
Frequency Range	30 - 600Hz
Nominal Impedance	4 or 8 ohms
BL Factor	25 N/A
Voice Coil Diameter	100 mm
Voice Coil Material	Copper
Maximum Excursion	50 mm (peak to peak)
Magnetic Assembly Weight	11.5 Kgs
Effective Moving Mass	0.16 Kgs
Compliance	0.00011 M/N
Volume Displacement	13 Litres
Connection	Metal Push Terminals
Chassis	Diecast Aluminium

Thiele-Small Parameters

Fs	38 Hz
Re	5.5 Ohms
Qa	4.09
Qe	0.34
Qt	0.31
Vas	164 Litres
Xmax	±10 mm
Sd	1029 cm2
Vd	1029 cm3
Le	2.9 mH

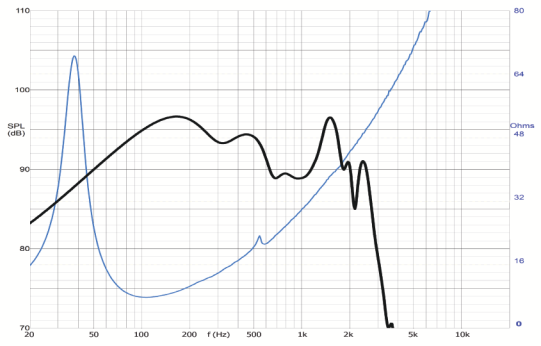
Mounting Information

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

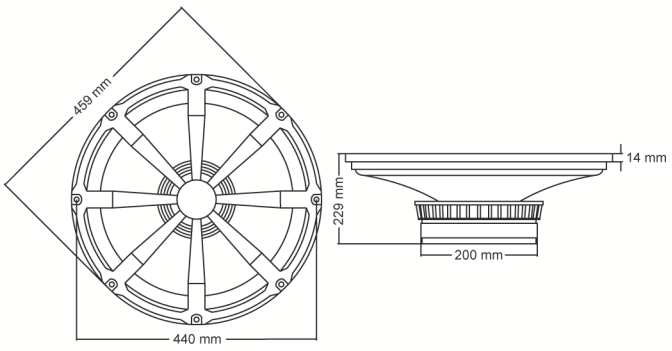
Suggested Enclosures

Volume in Litres	100	150	180
Vent diameter in Cm	4x10	4x10	4x10
Vent length in Cm	32	29	31
System Q	10	10	10
-3dB Freq in Hz	45	38	34

Response Curve



Dimensions



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