

3" - Midrange Dome

Studio Range

Applications: Midrange in Studio Monitors

- 100 Watt (AES)
- Smooth Frequency Response
- FEA Designed Magnet System
- 75mm Coated Fabric Dome
- Wide Dispersion
- Net Weight: 6 Kgs



The VM753E is a 8 ohm version 3" (75mm) diameter dome unit loaded by a short, front mounted horn. It uses a lightweight single layer, round wire copper coil slightly longer than the focussed magnet gap to allow for high excursions at the lower end of its operating range. The dome and surround are critically doped for smoothness and consistency of response, a second, rear surround maintains coil stability. An FEA designed magnet system uses a 155mm ceramic magnet for high efficiency and is solidly fixed to a painted, aluminium chassis. The termination braids are hidden inside the unit and are not visible, connection is by 6.4mm (0.25") spade terminals allowing soldering or push on receptacles. The entire dome/coil assembly is built onto a replaceable ring that accurately self locates so allowing easy field replacement. The unit is intended for rear mounting, M5 threaded inserts are incorporated in the flange for fixing screws.

Specifications

Nominal Diameter	75 mm
Power Rating	100 Watt (AES)
Frequency Range	450 - 4500Hz
Nominal Impedance	8 ohms
Voice Coil Diameter	75 mm
Voice Coil Height	9.5 mm
Voice Coil Layers	1
Magnet Gap Height	7.5 mm
Linear Excursion (XMax)	±1 mm
Maximum Excursion	4 mm
Volume Displacement	1 Litres
Connection	6.4mm Solder Terminals
Chassis	Machined Aluminium

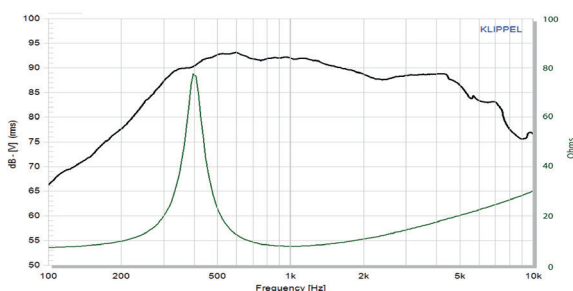
Thiele-Small Parameters

Fs	400 Hz
Re	7 Ω
Sd	57 cm ²
Qms	0.0
Qes	0.0
Qts	0.0
Cms	0.01 mm/N
Mms	16 g
Rms	0.0 Ωm
Bl	14.9 N/A
Sensitivity (1w / 1m)	92 dB
VAS	0.04 L
Le	0.19 mH

Mounting Information

Overall Diameter	190 mm
Fixing Bolt Diameter	172 mm
Fixing Holes	4 x M5
Rear Mount Cut-out Diameter	153 mm
Suggested Rebate Depth	20 mm
Depth Below Front Flange	37 mm
Total Depth	81 mm
Weight	6 Kgs

Response Curve



Dimensions

