



PRECISION DEVICES

MADE IN ENGLAND

PD.153 ER



- Heavy duty 15" cast aluminium frame with extra wide flange for increased rigidity
- 400W_{RMS}
- 3" copper voice coil assembly
- 90 oz. ceramic magnet
- A B/L in excess of 24 T/m for dynamic voicing
- Extended mid range response up to 4.5kHz

APPLICATION NOTES

Combining excellent bass performance with the advantage of an extended, very fast mid range frequency response, the PD.153ER is an excellent choice where a small format high frequency unit dictates a higher crossover point than can be achieved with other, more conventional, 15" transducers.

A popular choice for stage wedges when a faster mid range attack is required.

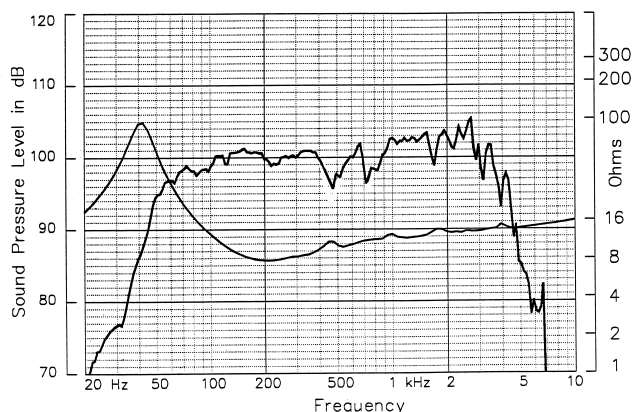
WORLD HEADQUARTERS

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FACTORY

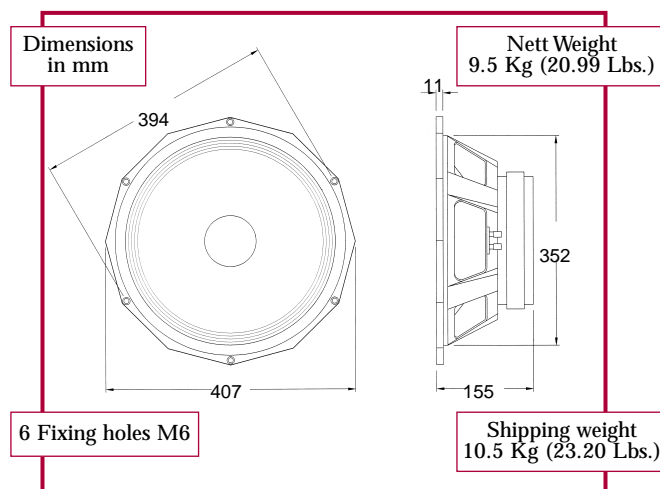
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RESPONSE & IMPEDANCE DETAIL



Response measured in a half space environment using a vented enclosure of 107 litres.

MECHANICAL DATA



TECHNICAL SPECIFICATION

Nominal Diameter	38cm (15")
Power rating ¹	400 Watts
Frequency range	Up to 4.5 kHz
Nominal Impedance	8 or 16 Ohms
Sensitivity ² (1 W 1 M)	99 dB
Resonance	40 Hz
Enc. Vol. Recommended	80 to 200 Litres
Displacement limit	13 mm (0.52")
Voice coil diameter	76 mm (3.04")
Voice coil	Copper
Voice coil winding depth	17 mm (0.68")
Suspension (Spider)	Fabric
Magnet gap depth	9 mm (0.36")
Magnet material/mass	Ceramic/2.5 Kg (90 oz.)
Magnetic assembly total mass	8.14 Kg (17.99 Lbs.)
Flux Density	13,500 Gauss
Cone type/material	Smooth Paper Fabric
Surround	Fabric
Dust dome	Paper
Connectors	Spring loaded push button metal bodied
Polarity	Positive Voltage on Red Terminal gives forward cone motion

Notes

1. AES Standard (50 to 500 Hz) Program 800 Watts
2. AES Recommended Practice.

THIELE - SMALL PARAMETERS

Fs	39 Hz
Xmax	5 mm
Revc	5.7 Ohms
Vd	$4.15 \times 10^{-4} \text{ m}^3$
Qts	0.222
No	3.90%
Qms	4.45

Pmx	400 Watts
Qes	0.234
Cms	163 $\mu\text{M/N}$
Vas	160 Litres
Mms	101 grams
Sd	830 sq cm
BL	24.55 T/m

Notes

3. Thiele - Small Parameters follow a 400 Watt preconditioning period.