



PRECISION DEVICES

MADE IN ENGLAND

PD.123 ER



- Heavy duty 12" 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 21.4 T/m for dynamic voicing
- Extended mid range response up to 5kHz

APPLICATION NOTES

Perfectly suited to either direct radiating or popular horn loaded mid/high applications, the extended frequency range makes this unit an excellent choice where a small format high frequency unit dictates a higher crossover point than would be achievable with other, more conventional, 12" transducers.

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

Also suitable for vocal performances as the PD.123ER covers the critical vocal range in a single, highly effective unit.

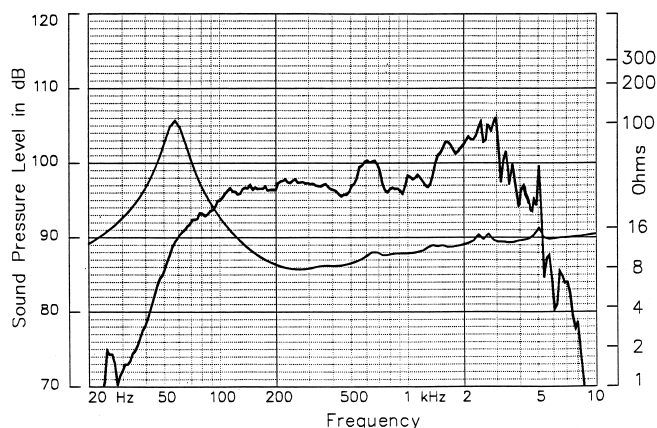
WORLD HEADQUARTERS

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FACTORY

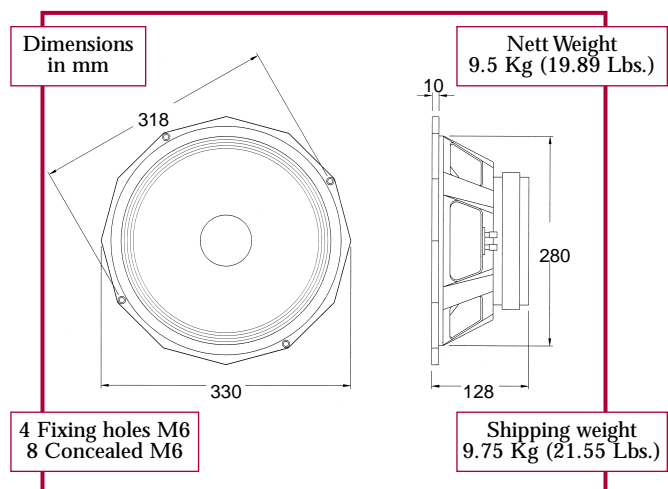
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RESPONSE & IMPEDANCE DETAIL



Response measured in a half space environment using a vented enclosure of 50 litres.

MECHANICAL DATA



TECHNICAL SPECIFICATION

Nominal Diameter	30cm (12")
Power rating 1	400 Watts
Frequency range	Up to 5 kHz
Nominal Impedance	8 or 16 Ohms
Sensitivity 2 (1 W 1 M)	97 dB
Resonance	65 Hz
Enc. Vol. Recommended	20 to 80 Litres
Displacement limit	13 mm (0.52")
Voice coil diameter	76 mm (3.04")
Voice coil	Copper
Voice coil winding depth	13 mm (0.52")
Suspension (Spider)	Fabric
Magnet gap depth	9 mm (0.36")
Magnet material/mass	Ceramic/2.5 Kg (90 oz.)
Magnetic assembly total mass	7.8 Kg (17.24 Lbs.)
Flux Density	13,500 Gauss
Cone type/material	Curvilinear Smooth Paper
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 (60 to 600 Hz) Program 800 Watts
2. AES Recommended Practice.

THIELE - SMALL PARAMETERS

Fs	60.5 Hz	Pmx	400 Watts
Xmax	2.5 mm	Qes	0.257
Revc	5.6 Ohms	Cms	128 μ M/N
Vd	$1.32 \times 10^{-4} \text{ m}^3$	Vas	51 Litres
Qts	0.247	Mms	54 grams
No	4.23%	Sd	530 sq cm
Qms	6.62	BL	21.49 T/m

Notes

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