

SPECIFICATIONS

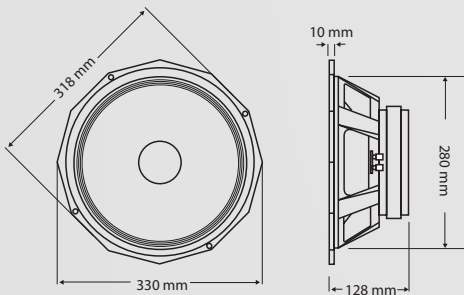
Nominal Diameter	30 cm (12")
Voice Coil Diameter	76 mm (3.04")
Nominal Impedance	8 or 16 Ohms
Power Rating	400 Watts (AES)
Sensitivity (1w / 1m)	97 dB
Frequency Range	Up to 5 kHz
Recommended Enclosure Volume	20-80 Litres
Displacement Limit (peak-peak)	13 mm (0.52")
Resonance	65 Hz
Voice Coil	Copper
Voice Coil Winding Depth	13 mm (0.52")
Magnet Gap Depth	9 mm (0.36")
Magnet Material	Ceramic
Magnet Weight	2.5 Kg (90 oz.)
Flux Density	1.35 T
Dust Dome Material	Paper
Suspension Material	Fabric
Cone / Surround Material	Paper

THIELE SMALL PARAMETERS

Fs	60.5 Hz
Re	5.6 Ohms
Qts	0.247
Qms	6.62
Qes	0.257
Vas	51 Litres
Mms	54 g
Sd	530 cm ²
Cms	128 µm/N
BL	21.49 T/m
Xmax	2.5 mm
Vd	1.32 x10 ⁻⁴ m ³
Reference Efficiency	4.23 %

MOUNTING AND SHIPPING INFORMATION

Fixing Holes	x 4 Fixing Holes M6 x 8 Concealed M6
Nett Weight	9.5 Kg (19.89 lb.)
Shipping Weight	9.75 Kg (21.55 lb.)



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.

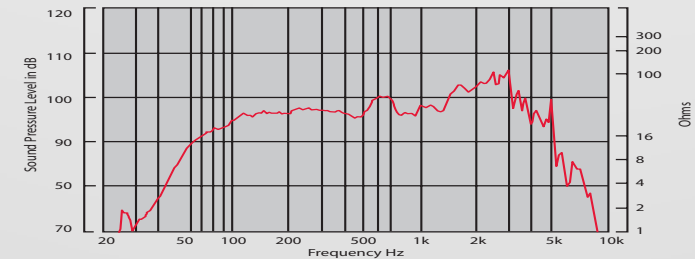
- Heavy duty 12" cast aluminium frame with extra wide flange for increased rigidity
- 400 WRMS (AES)
- 3" copper voice coil assembly
- 90 oz. ceramic magnet
- A B/L in excess of 21.4 T/m for dynamic voicing
- Extended mid range response up to 5kHz

PD.123ER

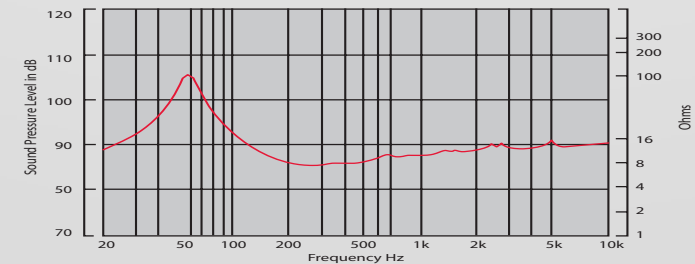


PD.123ER

FREQUENCY RESPONSE DATA:



IMPEDANCE:



Response measured in a half space environment using a vented enclosure of 50 litres. Please note that frequency response measurements are supplied for comparison purposes only and are not a measure of the low frequency performance which may be achievable in a fully optimised system.

1. AES Standard (60 to 600 Hz) Program 800 Watts.
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 400 Watt preconditioning period.