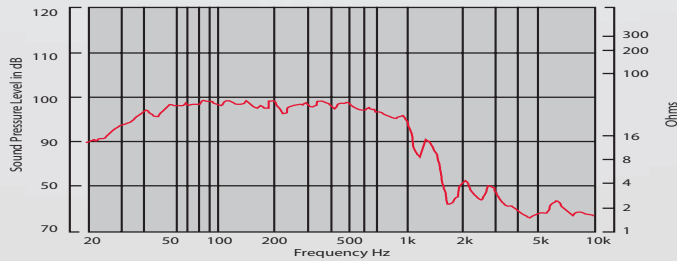


PD.2450

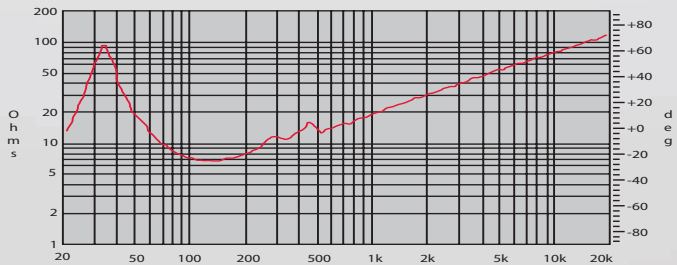


PD.2450

FREQUENCY RESPONSE DATA:



IMPEDANCE:



Half space response measured in a 975 Litre sealed box.
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.

Designed specifically to provide powerful sub bass frequencies with minimal distortion and power compression.

The PD.2450 offers a fast responsive sound and is an outstanding drive unit, suitable for sound reinforcement in a variety of enclosure types since it allows designers considerably more freedom with enclosure design and specialised loading techniques without having to allow for physical characteristics or power handling limitations which are typically the result of more traditional designs.

Perfectly at home in new or refurbished horn loaded sub bass systems this unit also delivers powerful lows in reflex designs, such as home theatre and house of worship applications.

- Heavy duty 24" cast aluminium frame with extra wide flange for increased rigidity
- Sub Woofer
- Field replaceable magnet for touring applications
- 1000 WRMS
- 6" copper voice coil assembly
- 220 oz. ceramic magnet
- Power compression only 2dB at rated power *1
- Distortion *2 2nd Harmonic < 1 %
3rd Harmonic < 1 %
- Advanced magnetic assembly incorporating a composite alloy and steel pole piece giving a uniform and stable magnetic field, improving linear excursion and providing an efficient thermal path to dissipate the heat produced by the voice coil.
- A B/L in excess of 32 T/m for fast accurate lows
- Double suspension system maintaining a pure piston action for the moving mass even when driven with the most complex programme input signals and provides additional durability against the rigours of life on the road

*1 Power compression is the reduction of sensitivity at the specified power. Higher power ratings do not necessarily give a proportionate increase in SPL therefore the maximum SPL of the PD.2450 may significantly exceed that of other manufacturers with high published power ratings.

*2 Distortion is measured at 10% of the rated power (AES Standard).

SPECIFICATIONS

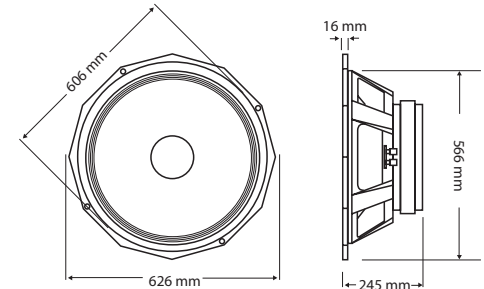
Nominal Diameter	61 cm (24")
Voice Coil Diameter	152 mm (6.0")
Nominal impedance	4,8 or 16 Ohms
Power Rating	1000 Watts (AES)
Sensitivity (1W/1M)	99 dB
Frequency Range	30 Hz - 1 kHz
Recommended Enclosure Volume	130-400 Litres
Displacement Limit (peak-peak)	36 mm (1.42")
Resonance	30 Hz
Voice Coil	Copper
Voice Coil Winding Depth	30 mm (1.18")
Magnet Gap Depth	15 mm (0.59")
Magnet Material	Ceramic
Magnet Weight	6.12 Kg (220 oz.)
Flux Density	1.1 T
Dust Dome Material	Paper
Suspension Material	Dual Fabric
Cone / Surround Material	Paper/Fabric

THIELE SMALL PARAMETERS

Fs	30.477 Hz
Re	5.58 Ohms
Qts	0.33
Qms	6.89
Qes	0.35
Vas	565.373 Litres
Mms	342.347 g
Sd	2248.01 cm ²
Cms	79.333 μM/N
BL	32.357 T/m
Xmax	10.5 mm
Vd	2.36 Litres
Reference Efficiency	4.04 %

MOUNTING AND SHIPPING INFORMATION

Fixing Holes	x 6 Fixing Holes M8
Nett Weight	36 Kg (79.56 lb.)
Shipping Weight	41 Kg (90.61 lb.)



1. AES Standard (40 to 400 Hz) Program 2000 Watts
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 1000 Watt preconditioning period.