

SPECIFICATIONS

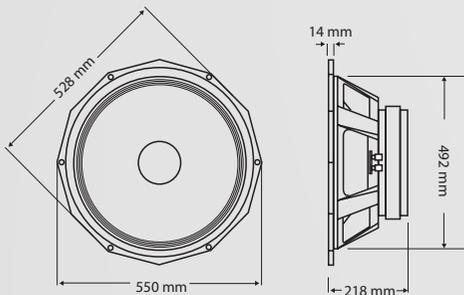
Nominal Diameter	53 cm (21")
Voice Coil Diameter	152 mm (6.08")
Nominal Impedance	4,8 or 16 Ohms
Power Rating	1000 Watts (AES)
Sensitivity (1w / 1m)	99 dB
Frequency Range	30 Hz - 1 kHz
Recommended Enclosure Volume	130-350 Litres
Displacement Limit (peak-peak)	38 mm (1.5")
Resonance	22 Hz
Voice Coil	Copper
Voice Coil Winding Depth	30 mm (1.2")
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	22 Hz
Re	5.48 Ohms
Qts	0.19
Qms	5.51
Qes	0.2
Vas	628 Litres
Mms	305 g
Sd	1630 cm ²
Cms	166 µm/N
BL	34.28 T/m
Xmax	10.5 mm
Vd	1.712 Litres
Reference Efficiency	3.39 %

MOUNTING AND SHIPPING INFORMATION

Fixing Holes	x 6 Fixing Holes M8
Nett Weight	31.75 Kg (70.17 lb.)
Shipping Weight	33.75 Kg (74.6 lb.)



The PD.2150 is a unique high power, high efficiency cone transducer designed specifically to provide powerful and accurate sub bass frequencies with minimal distortion and power compression.

Delivers faultless low end performance. Perfectly at home in new or refurbished horn loaded sub bass systems this unit also delivers powerful lows in reflex designs.

An outstanding drive unit 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.

- Heavy duty 21" cast aluminium frame with extra wide flange for increased rigidity
- Sub Woofer
- Field replaceable magnet for touring applications
- 1000 WRMS (AES)
- 6" copper voice coil assembly
- 220 oz. ceramic magnet
- Power compression 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 34 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.2150 may significantly exceed that of other manufacturers with high published power ratings.

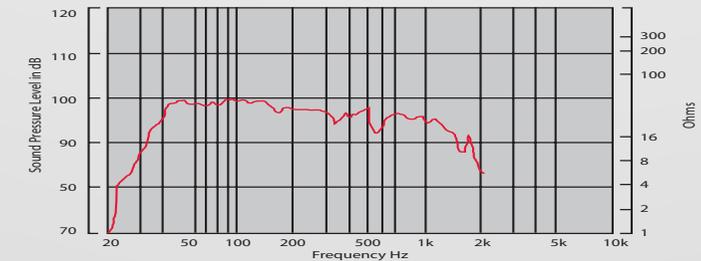
*2 Distortion is measured at 10% of the rated power (AES Standard).

PD.2150

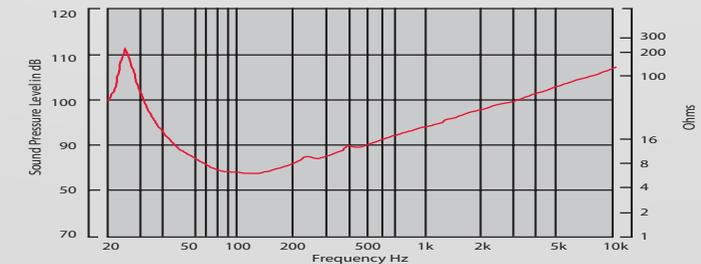


PD.2150

FREQUENCY RESPONSE DATA:



IMPEDANCE:



Response measured in a half space environment using a vented enclosure of 234 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 (30 to 300 Hz) Program 2000 Watts.

2. Sensitivity is derived from the sine wave response between 50 - 350 Hz at 5W/2M using Zmin. It is then scaled to represent 1W/1M. It should be noted that not all manufacturers' sensitivity figures are based on this AES Recommended Practice.

3. In less demanding applications, the crossover point may be higher.

4. Thiele - Small Parameters follow a 1000 Watt preconditioning period.