

## SPECIFICATIONS

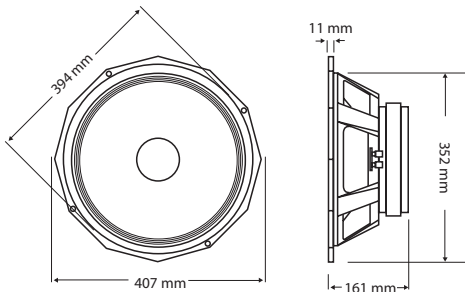
Nominal Diameter	38 cm (15")
Voice Coil Diameter	101 mm (4")
Nominal impedance	4,8 or 16 Ohms
Power Rating	600 Watts (AES)
Sensitivity (1W/1M)	99 dB
Frequency Range	40 Hz - 1.5 kHz
Recommended Enclosure Volume	80-200 Litres
Displacement Limit (peak-peak)	22 mm (0.88")
Resonance	31 Hz
Voice Coil	Copper
Voice Coil Winding Depth	22 mm (0.87")
Magnet Gap Depth	10 mm (0.394")
Magnet Material	Ceramic
Magnet Weight	3.0 Kg (110 oz.)
Flux Density	1.5 T
Dust Dome Material	Paper
Suspension Material	Fabric
Cone / Surround Material	Paper/Fabric

## THIELE SMALL PARAMETERS

Fs	31 Hz
Re	6.4 Ohms
Qts	0.21
Qms	5.55
Qes	0.22
Vas	242 Litres
Mms	123.4 g
Sd	890 cm <sup>2</sup>
Cms	215 μM/N
BL	26.34 T/m
Xmax	8.2 mm
Vd	0.73 Litres
Reference Efficiency	3.14 %

## MOUNTING AND SHIPPING INFORMATION

Fixing Holes	x 6 Fixing Holes M6 x 8 Concealed M6
Nett Weight	12.8 Kg (28.16 lb.)
Shipping Weight	14.0 Kg (30.94 lb.)



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

Suitable for sound reinforcement in a variety of enclosure types since it allows enclosure designers considerably more freedom with specialised loading techniques without having to make allowances for physical characteristics or power handling limitations which are typically the result of more traditional designs.

- Heavy duty 15" cast aluminium frame with extra wide flange for increased rigidity
- Woofer
- Field replaceable magnet for touring applications
- 600WRMS
- 4" copper voice coil assembly
- 110 oz. ceramic magnet
- Power compression only 2.7dB at rated power\*1
- Improved linear excursion
- 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
- Improved linear excursion and efficient thermal path to effectively dissipate heat produced by the voice coil
- A B/L in excess of 26 T/m which contributes to the speed, accuracy and fidelity of the unit maintaining control of the cone under the most demanding operating conditions

\*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.1550 may significantly exceed that of other manufacturers with high published power ratings.

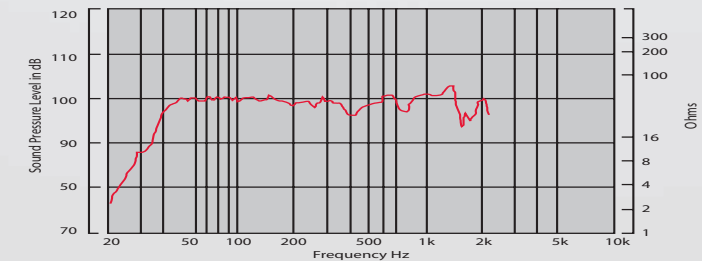
\*2 Distortion is measured at 10% of the rated power (AES standard)

# PD.1550

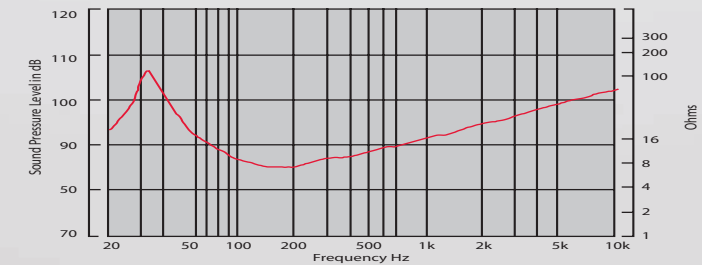


# PD.1550

FREQUENCY RESPONSE DATA:



IMPEDANCE:



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