

PD.1550/2 BASS DRIVER



15" / 380 mm
NOMINAL DIAMETER

40 Hz - 1.5 kHz
FREQUENCY RESPONSE

4.0" / 101 mm
VOICE COIL DIAMETER

99 dB
SENSITIVITY (1W/ 1m)

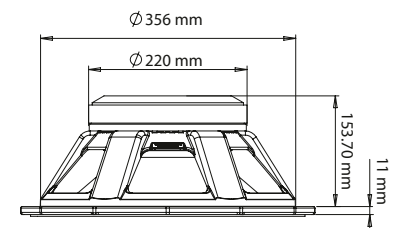
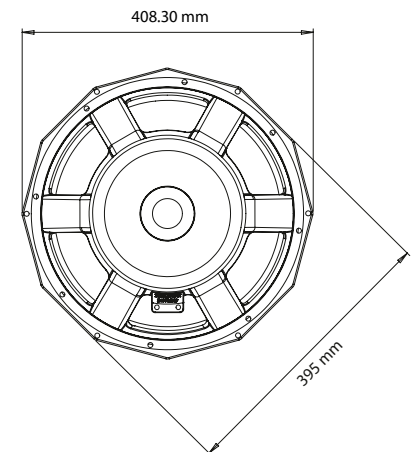
600 W (A.E.S.)
POWER HANDLING

8.2 mm Xmax
MAXIMUM LINEAR EXCURSION

- > **NEW ERGONOMIC, VENTED CAST ALUMINIUM CHASSIS OFFERS IMPROVED THERMAL CONTROL**
- > **POWER COMPRESSION ONLY 2.7DB AT RATED POWER***
- > **EFFECTIVE IN A VARIETY OF VERSATILE APPLICATIONS**
- > **IMPROVED MOTOR PLATING PROVIDING A MORE RESILIENT FINISH AND RESISTANCE TO CORROSION**
- > **SUITABLE FOR HORN-LOADED AND REFLEX DESIGNS**
- > **VENTED VOICE COIL DESIGN**

Designed specifically to provide powerful and accurate bass frequencies for sound reinforcement in a variety of enclosure types. The PD.1550/2's improved linear excursion and efficient thermal path effectively dissipates heat minimising distortion and power compression effects.

The advanced magnetic assembly features a composite alloy and steel pole piece generating a uniform and stable magnetic field. The resulting high BL factor contributes to the speed, accuracy and fidelity of the PD.1550/2, maintaining control of the cone under the most demanding conditions.



PD.1550/2 BASS DRIVER

GENERAL SPECIFICATIONS

Nominal Diameter	15" / 380 mm
Voice Coil Diameter	4.0" / 101 mm
Available Impedances	4 / 8 / 16 Ohm
Power Rating ^{1,2*}	600 W (A.E.S.)
Peak Power (6dB Crest Factor)*	2400 W (A.E.S.)
Sensitivity (1W - 1m)*	99 dB
Frequency Range	40 Hz - 1.5 kHz
Recommended Enclosure Volume	80 - 200 Litres
Resonance	46.17 Hz
Voice Coil Winding Depth	22 mm / 0.87"
Magnet Gap Depth	10 mm / 0.39"
Flux Density	1.5 Tesla
Magnet Material	Ceramic
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Paper
Suspension Material	Fabric
Cone Material	Paper
Surround Material	Fabric

WEIGHT

Nett Weight	12.80 kg / 28.22 lb
Shipping Weight	14.00 kg / 30.86 lb

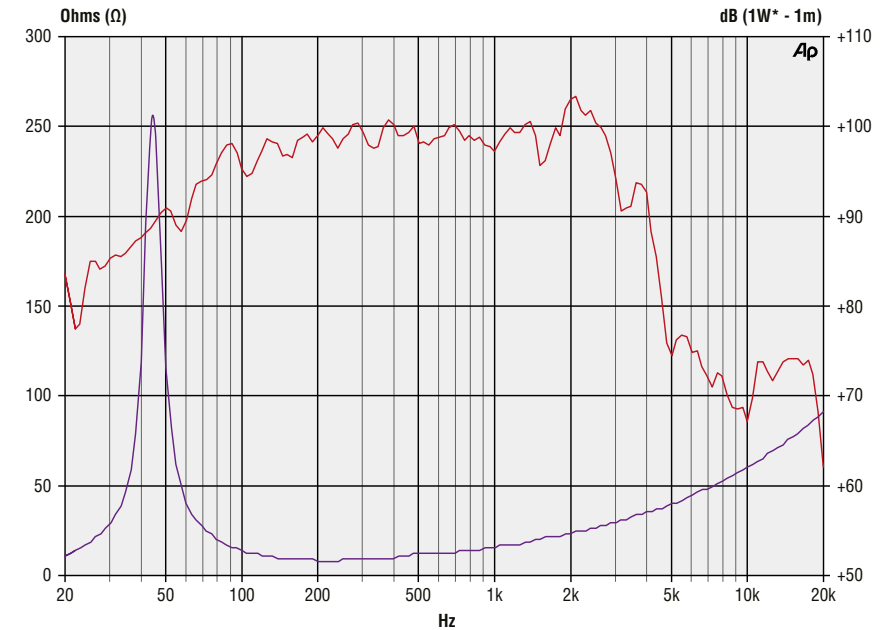
THIELE SMALL PARAMETERS (8 Ω MODEL)³

Fs	46.17 Hz
Re	6.59 Ω
Qms	13.87
Qes	0.3
Qts	0.29
Le (@ 1 kHz)	0.78 mH
Le (@ 10 kHz)	- mH
Vas	126.39 Litres
Mms	114.38 g
Sd	907.92 cm ²
Cms	109.33 μm/N
BL	26.61 T/m
Xmax	8.2 mm
Vd	0.73 Litres
Ref. Efficiency	3.14%
EBP	153.9 Hz

DIMENSIONS & MOUNTING INFORMATION

Overall Diameter	408.3 mm
Width Across Flats	395 mm
Flange Height	11 mm
Depth (Excl. Flange)	153.7 mm
Magnet Diameter	220 mm
Chassis Shoulder Diameter	356 mm
Outer Bolt Circle	x6 M8 on 394 mm PCD

FREQUENCY RESPONSE & IMPEDANCE CHARTS⁴



* 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 driver may significantly exceed that of other manufacturers with high power ratings.

** Distortion is measured at 10% of the rated power (A.E.S. Standard).

1. A.E.S. Standard (40 to 400 Hz). Program 1200 Watts.

2. A.E.S. Recommended Practice.

3. Thiele - Small Parameters follow a 600 Watt preconditioning period verified by Klippel LSI measurement.

4. 2.83V. Half space response measured in a 975 Litre sealed enclosure.

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.