



# PD.121

MID RANGE DRIVER

**12" / 300 mm**

NOMINAL DIAMETER

**300 w (A.E.S.)**

POWER HANDLING

**99 dB**

SENSITIVITY

**100 Hz - 6 kHz**

FREQUENCY RESPONSE

**2.5" / 63 mm**

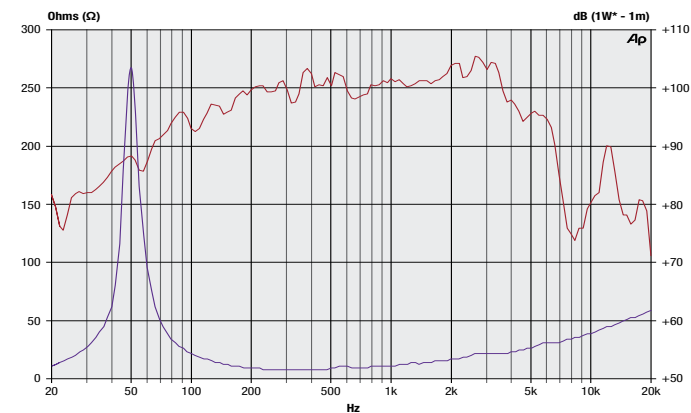
VOICE COIL DIAMETER

**2.7 mm Xmax**

## PRODUCT FEATURES

- ▶ Heavy-duty cast aluminium chassis for increased rigidity.
- ▶ Mid range transducer suitable for either direct radiating or horn loaded applications.
- ▶ Smooth response for easy integration across vocal frequency band.

## FREQUENCY RESPONSE AND IMPEDANCE CURVE



\*2.83V. Half space response measured in a 35 Litre vented enclosure.

## SPECIFICATIONS

Nominal Diameter	300 mm / 12"
Voice Coil Diameter	63 mm / 2.5"
Available Impedances	4 Ohms/ 8 Ohms/ 16 Ohms
Power Rating	300 w (A.E.S.)
Peak Power (6dB Crest Factor)	1200 w (A.E.S.)
Sensitivity (1w - 1m)	99 dB
Frequency Range	100 Hz - 6 kHz
Recommended Enclosure Volume	10 - 60 Litres
Resonance	53.27 Hz
Voice Coil Winding Depth	12 mm / 0.47"
Magnet Gap Depth	9 mm / 0.35"
Flux Density	1.5 Tesla
Magnet Material	Ceramic
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Paper
Suspension Material	Fabric
Cone / Surround Material	Paper / Fabric

## THIELE SMALL PARAMETERS (8Ω MODEL)

Fs	53.27 Hz	Vas	66.58 litres
Re	5.93 Ω	Mms	65.37 g
Qms	14.66	Sd	530.93 cm <sup>2</sup>
Qes	0.23	Cms	168.33 μm/N
Qts	0.23	BL	21.46 T/m
Le	0.42 mH	Xmax	2.7 mm
L2	1.13 mH	Vd	0.143 litres
R2	12.2 Ω	Ref. Efficiency	5.1 %

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

1. A.E.S. Standard (60 to 600 Hz).
2. A.E.S. Recommended Practice.
3. Thiele - Small Parameters follow a 300 Watt A.E.S. preconditioning period.

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.

## DIMENSIONS

Overall Diameter	330 mm
Width Across Flats	320.5 mm
Flange Height	10 mm
Depth (Excl. Flange)	115 mm
Magnet Diameter	200 mm

## MOUNTING INFORMATION

Chassis Shoulder Diameter	282 mm
Outer Bolt Circle	6x M6 on 318 mm PCD
Inner Bolt Circle	8x M6 on 293 mm PCD

## WEIGHT

Nett Weight	9.2 Kg / 20.28 lb.
Shipping Weight	10 Kg / 22.05 lb.