

PD.121/2 MID RANGE DRIVER



12" / 300 mm
NOMINAL DIAMETER

100 Hz - 6 kHz
FREQUENCY RESPONSE

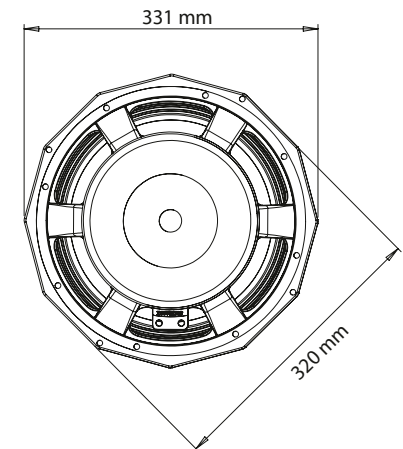
2.5" / 63 mm
VOICE COIL DIAMETER

99 dB
SENSITIVITY (1W/ 1m)

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

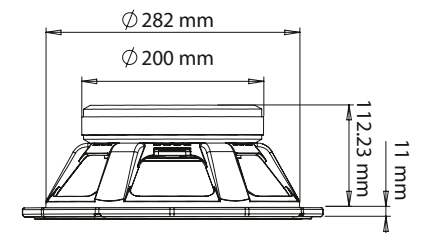
2.7 mm Xmax
MAXIMUM LINEAR EXCURSION

- > **NEW ERGONOMIC, VENTED CAST ALUMINIUM CHASSIS OFFERS IMPROVED THERMAL CONTROL**
- > **IMPROVED MOTOR PLATING PROVIDING A MORE RESILIENT FINISH AND RESISTANCE TO CORROSION**
- > **MID RANGE TRANSDUCER SUITABLE FOR EITHER DIRECT RADIATING OR HORN-LOADED APPLICATIONS**
- > **SMOOTH FREQUENCY RESPONSE FOR EASY INTEGRATION ACROSS VOCAL FREQUENCY BAND**
- > **VENTED VOICE COIL DESIGN**



The PD.121/2 excels in a variety of systems being perfectly suited to either direct radiating or horn loaded applications. Covering the critical vocal range in a single unit the PD.121/2 is particularly effective at faithfully reproducing the pattern of powerful low end male vocals.

The PD.121 perfectly compliments our 15", 18", 21" and 24" transducers as part of a three-way system.



PD.121/2 MID RANGE DRIVER

GENERAL SPECIFICATIONS

Nominal Diameter	12" / 300 mm
Voice Coil Diameter	2.5" / 63 mm
Available Impedances	4 / 8 / 16 Ohm
Power Rating ^{1,2*}	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 Material	Paper
Surround Material	Fabric

WEIGHT

Nett Weight	9.20 kg / 20.28 lb
Shipping Weight	10.00 kg / 22.05 lb

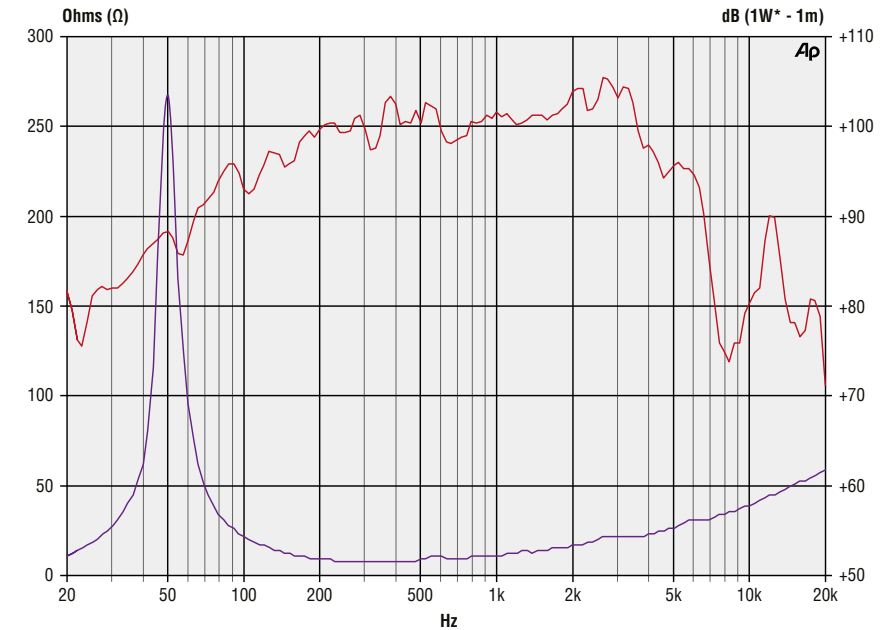
THIELE SMALL PARAMETERS (8 Ω MODEL)³

Fs	53.27 Hz
Re	5.93 Ω
Qms	14.66
Qes	0.23
Qts	0.23
Le (@ 1 kHz)	0.42 mH
Le (@ 10 kHz)	- mH
Vas	66.58 Litres
Mms	65.37 g
Sd	530.93 cm ²
Cms	168.33 μm/N
BL	21.46 T/m
Xmax	2.7 mm
Vd	0.143 Litres
Ref. Efficiency	5.1%
EBP	231.60 Hz

DIMENSIONS & MOUNTING INFORMATION

Overall Diameter	331 mm
Width Across Flats	320 mm
Flange Height	11 mm
Depth (Excl. Flange)	112.23 mm
Magnet Diameter	200 mm
Chassis Shoulder Diameter	282 mm
Outer Bolt Circle	x4 M6 on 318 mm PCD
Inner Bolt Circle	x8 M6 on 293 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 (60 to 600 Hz). Program 600 Watts.

2. A.E.S. Recommended Practice.

3. Thiele - Small Parameters follow a 300 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.