

PD.122 | BASS DRIVER



12" / 300 mm
NOMINAL DIAMETER

400 w (A.E.S.)
POWER HANDLING

98 dB
SENSITIVITY

45 Hz - 3.5 kHz
FREQUENCY RESPONSE

3.0" / 76 mm
VOICE COIL DIAMETER

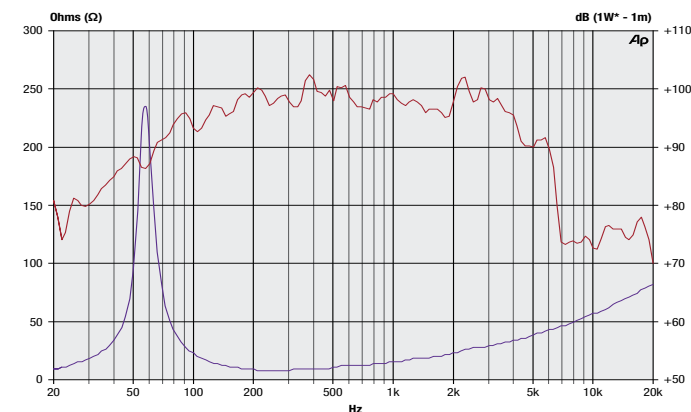
4.7 mm Xmax



PRODUCT FEATURES

- ▶ Heavy-duty cast aluminium chassis for increased rigidity.
- ▶ A B/L in excess of 24 T/m.
- ▶ Smooth bass response in a reflex enclosure.
- ▶ Suitable for use in small compact full range systems.
- ▶ Easy integration with 1" or 2" compression drivers.

FREQUENCY RESPONSE AND IMPEDANCE CURVE



*2.83V. Half space response measured in a 50 Litre vented enclosure.

SPECIFICATIONS

| | |
|-------------------------------|---------------------------|
| Nominal Diameter | 300 mm / 12" |
| Voice Coil Diameter | 76 mm / 3.0" |
| Available Impedances | 4 Ohms / 8 Ohms / 16 Ohms |
| Power Rating | 400 w (A.E.S.) |
| Peak Power (6dB Crest Factor) | 1600 w (A.E.S.) |
| Sensitivity (1w - 1m) | 98 dB |
| Frequency Range | 45 Hz - 3.5 kHz |
| Recommended Enclosure Volume | 30 -120 Litres |
| Resonance | 59.23 Hz |
| Voice Coil Winding Depth | 17 mm / 0.67" |
| Magnet Gap Depth | 11 mm / 0.43" |
| Flux Density | 1.32 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 | 59.23 Hz | Vas | 44.03 litres |
| Re | 5.91 Ω | Mms | 65.12 g |
| Qms | 15.9 | Sd | 530.93 cm ² |
| Qes | 0.24 | Cms | 110.89 μm/N |
| Qts | 0.24 | BL | 24.29 T/m |
| Le | 0.69 mH | Xmax | 4.7 mm |
| L2 | 1.83 mH | Vd | 0.259 litres |
| R2 | 16.99 Ω | Ref. Efficiency | 3.47 % |

*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 400 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) | 118 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 | 9.7 Kg / 21.38 lb. |
| Shipping Weight | 10.65 Kg / 23.48 lb. |