

PD.184C01 | BASS DRIVER



18" / 460 mm
NOMINAL DIAMETER

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

98 dB
SENSITIVITY

40 Hz - 1 kHz
FREQUENCY RESPONSE

4.0" / 101 mm
VOICE COIL DIAMETER

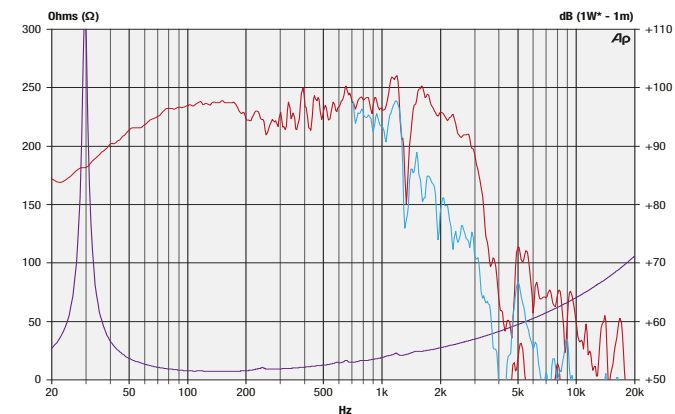
8 mm Xmax



PRODUCT FEATURES

- ▶ Heavy duty cast aluminium frame for increased rigidity.
- ▶ Low distortion.
- ▶ Suitable for bass reflex or closed box designs but also works well in horn loaded designs.

FREQUENCY RESPONSE AND IMPEDANCE CURVE



*2.83V. Half space response measured in a 975 Litre sealed Enclosure. Blue Line = fundamental 45° off-axis.

SPECIFICATIONS

| | |
|-------------------------------|---------------------------|
| Nominal Diameter | 18" / 460 mm |
| Voice Coil Diameter | 4.0" / 101 mm |
| Available Impedances | 4 Ohms / 8 Ohms / 16 Ohms |
| Power Rating | 700 W (A.E.S.) |
| Peak Power (6dB Crest Factor) | 2800 W (A.E.S.) |
| Sensitivity (1w - 1m) | 98 dB |
| Frequency Range | 40 Hz - 1 kHz |
| Recommended Enclosure Volume | 100 - 300 Litres |
| Resonance | 30 Hz |
| Voice Coil Winding Depth | 22 mm / 0.87" |
| Magnet Gap Depth | 11 mm / 0.43" |
| Flux Density | 0.98 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 (8 Ω MODEL)

| | | | |
|-----|---------|-----------------|-------------------------|
| Fs | 30 Hz | Vas | 337.07 Litres |
| Re | 4.81 Ω | Mms | 163.37 g |
| Qms | 15.2 | Sd | 1164.16 cm ² |
| Qes | 0.23 | Cms | 0.18 mm/N |
| Qts | 0.23 | BL | 25.21 T/m |
| Le | 0.47 mH | Xmax / Xlim (±) | 8 mm / 16 mm |
| L2 | 1.56 mH | Vd | 0.931 Litres |
| R2 | 57.43 Ω | Ref. Efficiency | 3.65% |

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. AES Standard (40 to 400Hz) Program 700 Watts.
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 700 Watt 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 | 474 mm |
| Width Across Flats | 459 mm |
| Flange Height | 14.5 mm |
| Depth (Excl. Flange) | 174 mm |
| Magnet Diameter | 225 mm |

MOUNTING INFORMATION

| | |
|---------------------------|---------------------|
| Chassis Shoulder Diameter | 415.5 mm |
| Outer Bolt Circle | 6x M8 on 455 mm PCD |
| Inner Bolt Circle | N/A |

WEIGHT

| | |
|-----------------|---------------------|
| Nett Weight | 14 Kg / 30.86 lb |
| Shipping Weight | 15.25 Kg / 33.62 lb |