

PD.186/3 SUB BASS DRIVER



18" / 457.2 mm
NOMINAL DIAMETER

30 Hz - 2 kHz
FREQUENCY RESPONSE

5.0" / 127 mm
VOICE COIL DIAMETER

95 dB
SENSITIVITY (1W/ 1m)

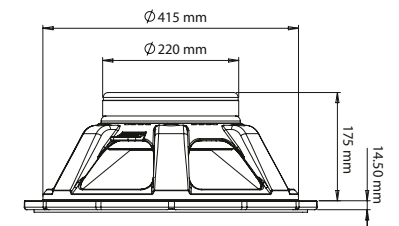
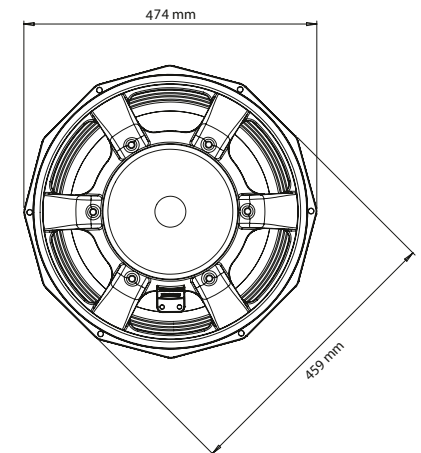
700 W (A.E.S.)
POWER HANDLING

10.5 mm Xmax
MAXIMUM LINEAR EXCURSION

- > **NEW ERGONOMIC, VENTED CAST ALUMINIUM CHASSIS OFFERS IMPROVED THERMAL CONTROL**
- > **DOUBLE SUSPENSION SYSTEM**
- > **AN EFFECTIVE TRANSDUCER 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**

Providing outstanding high-power bass and sub bass in systems that demand the best possible low frequency response. The PD.186/3 is a popular choice for horn-loaded applications where it can deliver full low-end at high SPL with superior power compression performance thanks to the huge copper area and breathing arrangement of the voice coil. Ideal for three-way direct radiating systems where the powerful bass comes into its own.

The PD.186/3 is well suited for use with the PD.121/2 alongside PD 1" and 2" compression drivers where its double suspension system allows it to thrive.



PD.186/3 SUB BASS DRIVER

GENERAL SPECIFICATIONS

| | |
|--------------------------------|------------------|
| Nominal Diameter | 18" / 457.2 mm |
| Voice Coil Diameter | 5.0" / 127 mm |
| Available Impedances | 4 / 8 / 16 Ohm |
| Power Rating ^{1,2*} | 700 W (A.E.S.) |
| Peak Power (6dB Crest Factor)* | 2800 W (A.E.S.) |
| Sensitivity (1W - 1m)* | 95 dB |
| Frequency Range | 30 Hz - 2 kHz |
| Recommended Enclosure Volume | 100 - 350 Litres |
| Resonance | 34.18 Hz |
| Voice Coil Winding Depth | 25 mm / 0.98" |
| Magnet Gap Depth | 9 mm / 0.35" |
| Flux Density | 0.95 Tesla |
| Magnet Material | Ceramic |
| Voice Coil Material | Copper |
| Former Material | Glass Fibre |
| Dust Dome Material | Paper |
| Suspension Material | Dual Fabric |
| Cone Material | Paper |
| Surround Material | Fabric |

WEIGHT

| | |
|-----------------|---------------------|
| Nett Weight | 22.80 kg / 50.26 lb |
| Shipping Weight | 26.60 kg / 58.64 lb |

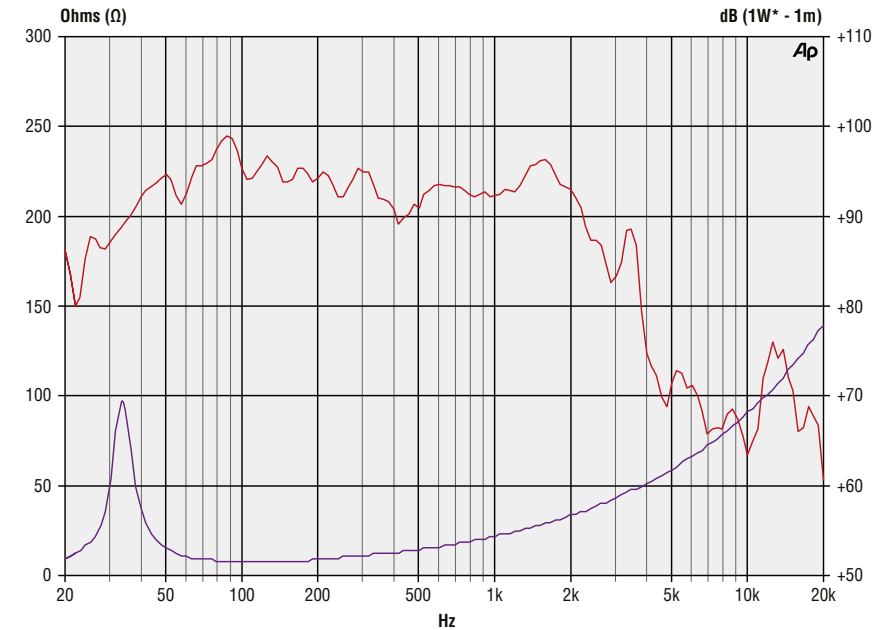
THIELE SMALL PARAMETERS (8 Ω MODEL)³

| | |
|-----------------|-------------------------|
| Fs | 34.18 Hz |
| Re | 6.19 Ω |
| Qms | 10.77 |
| Qes | 0.55 |
| Qts | 0.52 |
| Le (@ 1 kHz) | 1.95 |
| Le (@ 10 kHz) | - mH |
| Vas | 192.15 Litres |
| Mms | 203.93 g |
| Sd | 1134.11 cm ² |
| Cms | 106.67 μm/N |
| BL | 22.18 T/m |
| Xmax | 10.50 mm |
| Vd | 1.2 Litres |
| Ref. Efficiency | 2.05% |
| EBP | 62.14 Hz |

DIMENSIONS & MOUNTING INFORMATION

| | |
|---------------------------|---------------------|
| Overall Diameter | 474 mm |
| Width Across Flats | 459 mm |
| Flange Height | 14.5 mm |
| Depth (Excl. Flange) | 175 mm |
| Magnet Diameter | 220 mm |
| Chassis Shoulder Diameter | 415 mm |
| Outer Bolt Circle | x6 M6 on 456 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 1400 Watts.

2. A.E.S. Recommended Practice.

3. Thiele - Small Parameters follow a 700 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.