



# PD.188/2

## SUB BASS DRIVER

UK 'HERITAGE' LINE

**18" / 460 mm**

NOMINAL DIAMETER

**600 W (A.E.S.)**

POWER HANDLING

**97.5 dB**

SENSITIVITY (1W/ 1m)

**40 Hz - 3.5 kHz**

FREQUENCY RESPONSE

**4.0" / 101 mm**

VOICE COIL DIAMETER

**6 mm Xmax**

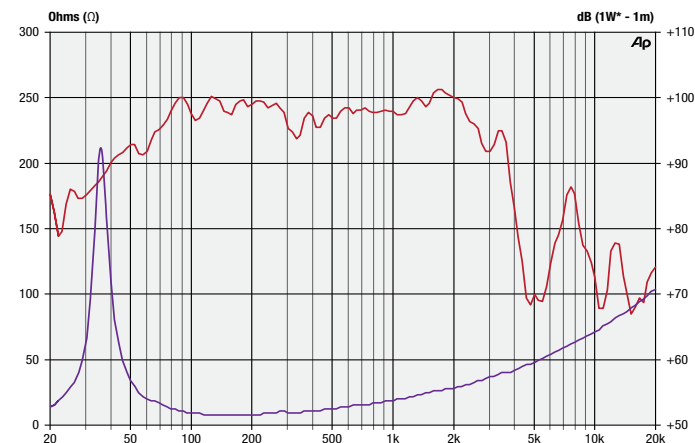
MAXIMUM LINEAR EXCURSION



### FEATURES:

- High performance sub bass driver.
- Heavy-duty, cast aluminium chassis for increased rigidity.
- Double suspension system.
- BL in excess of 29 T/m.
- Effective and versatile transducer in a variety of applications.
- Suitable for horn loaded or reflex designs.
- Well suited for use with PD 1" and 2" compression drivers.

### FREQUENCY RESPONSE AND IMPEDANCE CHART <sup>(4)</sup>



### SPECIFICATIONS

Nominal Diameter	18" / 457.2 mm
Voice Coil Diameter	4.0" / 101 mm
Available Impedances	4 Ohms/ 8 Ohms/ 16 Ohms
Power Rating * <sup>(1) (2)</sup>	600 W (A.E.S.)
Peak Power (6dB Crest Factor) *	2400 W (A.E.S.)
Sensitivity (1w - 1m) *	97.5 dB
Frequency Range	40 Hz - 3.5 kHz
Recommended Enclosure Volume	100 - 350 Litres
Resonance	36.22 Hz
Voice Coil Winding Depth	19 mm / 0.75"
Magnet Gap Depth	11 mm / 0.43"
Flux Density	1.1 Tesla
Magnet Material	Ceramic
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Paper
Suspension Material	Dual Fabric
Cone / Surround Material	Paper / Fabric

### THIELE SMALL PARAMETERS (8Ω MODEL) <sup>(3)</sup>

Fs	36.22 Hz	Vas	201.69 litres
Re	5.86 Ω	Mms	173.02 g
Qms	13.04	Sd	1134.11 cm <sup>2</sup>
Qes	0.27	Cms	111.5 μm/N
Qts	0.26	BL	29.28 T/m
Le	1.55 mH	Xmax	6 mm
L2	3.02 mH	Vd	0.68 litres
R2	7.92 Ω	Ref. Efficiency	3.92 %

\* 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 (40 to 400 Hz), Program 1200 Watts.
2. A.E.S. Recommended Practice.
3. Thiele - Small Parameters follow a 600 Watt A.E.S. preconditioning period.
4. 2.83 V. Half space response measured in a 20B Litre vented 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.

### DIMENSIONS

Overall Diameter	474 mm
Width Across Flats	458 mm
Flange Height	13 mm
Depth (Excl. Flange)	174 mm
Magnet Diameter	220 mm

### MOUNTING INFORMATION

Chassis Shoulder Diameter	415 mm
Outer Bolt Circle	6x M8 on 455 mm PCD
Inner Bolt Circle	N/A

### WEIGHT

Nett Weight	15 kg / 33.07 lb.
Shipping Weight	16.25 kg / 35.82 lb.