

# PD.154C001

## SUB BASS DRIVER

**15" / 381 mm**

NOMINAL DIAMETER

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

POWER HANDLING

**98.5 dB**

SENSITIVITY (1W/ 1m)

**45 Hz - 1 kHz**

FREQUENCY RESPONSE

**4.0" / 101.6 mm**

VOICE COIL DIAMETER

**8.20 mm Xmax**

MAXIMUM LINEAR EXCURSION

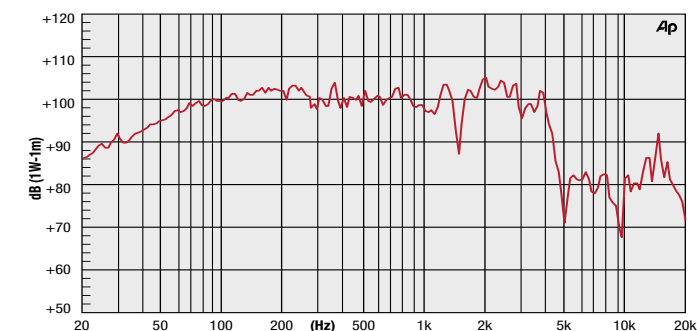


### FEATURES:

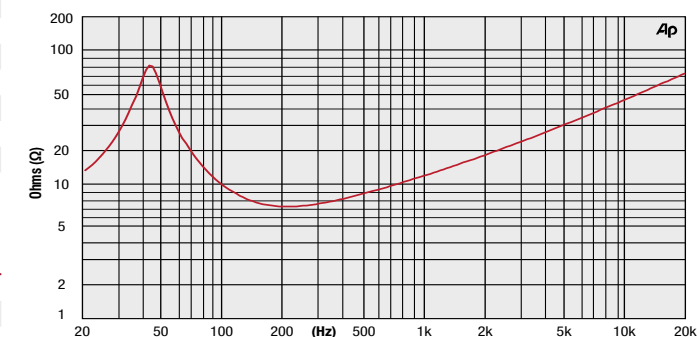
- 4" High temperature CCAW voice coil.
- Composite alloy and steel pole piece, producing a uniform and stable magnetic field.
- High BL driver in excess of 25 T/m.

Designed to faithfully reproduce powerful and accurate bass frequencies with minimal distortion and power compression. Suitable for sound reinforcement in a variety of enclosure designs.

### FREQUENCY RESPONSE AND IMPEDANCE CHARTS



\*2.83V. Half space response measured in a 950 Litre sealed enclosure.



\*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.  
\*\* Distortion is measured at 10% of the rated power (AES Standard).

1. AES Standard (45 to 450 Hz) 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.

### GENERAL SPECIFICATIONS

Nominal Diameter	15" / 381 mm	Magnet Gap Depth	10.0 mm / 0.39"
Voice Coil Diameter	4.0" / 101.6 mm	Flux Density	1.39 Tesla
Available Impedances	4 Ohm / 8 Ohm / 16 Ohm	Magnet Material	Ceramic
Power Rating <sup>12</sup> *	700 W (A.E.S.)	Voice Coil Material	Copper Clad Aluminium
Peak Power (6dB Crest Factor)*	2800 W (A.E.S.)	Former Material	Glass Fibre
Sensitivity (1W - 1m)*	98.5 dB	Dust Dome Material	Paper
Frequency Range	45 Hz - 1 kHz	Suspension Material	Fabric
Recommended Enclosure Volume	45 - 125 Litres	Cone / Surround Material	Paper / Fabric
Resonance	45 Hz		
Voice Coil Winding Depth	22.00 mm / 0.87"		

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

Fs	45 Hz	Mms	119.00 g
Re	6.1 Ω	Sd	897.5 cm <sup>2</sup>
Qms	4.29	Cms	111.90 μm/N
Qes	0.335	BL	25.50 T/m
Qts	0.311	Xmax	8.20 mm
Le (@ 1 kHz)	1.80 mH	Vd	0.730 Litres
Le (@ 10 kHz)	0.758 mH	Ref. Efficiency	3.36%
Vas	128 Litres	EBP	134.33 Hz

### DIMENSIONS

Overall Diameter	408.3 mm
Width Across Flats	395 mm
Flange Height	11.0 mm
Depth (Excl. Flange)	154.10 mm
Magnet Diameter	220 mm

### MOUNTING INFORMATION

Chassis Shoulder Diameter	354.2 mm
Outer Bolt Circle	x6 M6 on 394 mm PCD

### WEIGHT

Nett Weight	12.80 Kg / 28.22 lb
Shipping Weight	13.50 Kg / 29.76 lb