

# PD.153C001

## BASS/ MID RANGE DRIVER

**15" / 381 mm**

NOMINAL DIAMETER

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

POWER HANDLING

**100.3 dB**

SENSITIVITY (1W/ 1m)

**40 Hz - 3 kHz**

FREQUENCY RESPONSE

**3.0" / 76.2 mm**

VOICE COIL DIAMETER

**7.70 mm Xmax**

MAXIMUM LINEAR EXCURSION

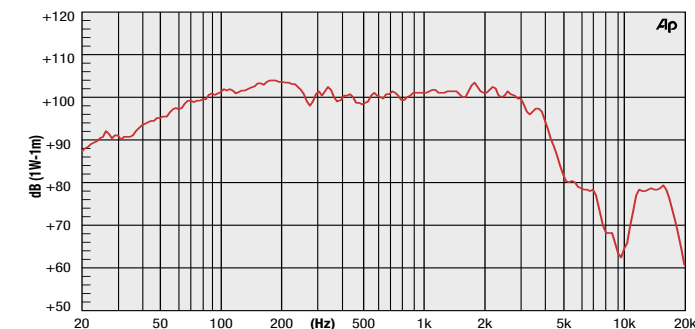


### FEATURES:

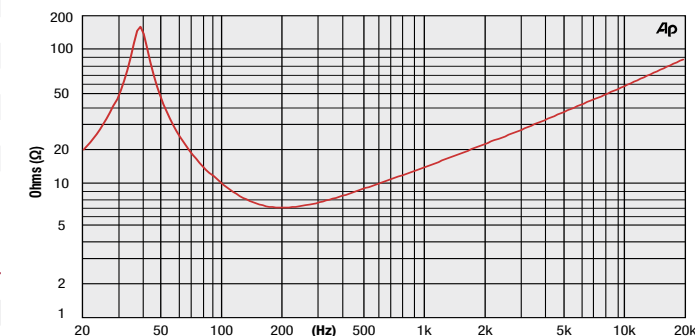
- Vented cast aluminium chassis for improved thermal control of voice coil.
- Optimised vented voice coil cools and reduces turbulence in the coil gap.
- M-roll cone surround profile.
- Ribbed cone.
- High BL of 24.19 T/m.

The PD.153C001 offers excellent linear response well controlled down to 40Hz. It is a very good solution for two way or multi way systems when high BL and good punch is required. The PD.153C001 can also be used in a compact sub application. Works well in conjunction with PD.CD1.5.

### FREQUENCY RESPONSE AND IMPEDANCE CHARTS



\*2.83V. Half space response measured in a 960 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 (40 to 400 Hz) Program 400 Watts.
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 450 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	11.0 mm / 0.43"
Voice Coil Diameter	3.0" / 76.2 mm	Flux Density	1.10 Tesla
Available Impedances	8 Ohm	Magnet Material	Y30 Ferrite
Power Rating <sup>1,2</sup> *	400 W (A.E.S.)	Voice Coil Material	Copper
Peak Power (6dB Crest Factor)*	1600 W (A.E.S.)	Former Material	Glass Fibre
Sensitivity (1W - 1m)*	100.3 dB	Dust Dome Material	Paper
Frequency Range	40 Hz - 3 kHz	Suspension Material	Fabric
Recommended Enclosure Volume	40 - 80 Litres	Cone / Surround Material	Black Cotton
Resonance	38 Hz		
Voice Coil Winding Depth	21.00 mm / 0.83"		

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

Fs	38 Hz	Mms	102.90 g
Re	5.5 Ω	Sd	899 cm <sup>2</sup>
Qms	6.20	Cms	170.00 μm/N
Qes	0.231	BL	24.19 T/m
Qts	0.223	Xmax	7.70 mm
Le (@ 1 kHz)	2.16 mH	Vd	0.630 Litres
Le (@ 10 kHz)	0.900 mH	Ref. Efficiency	4.48%
Vas	196 Litres	EBP	164.50 Hz

### DIMENSIONS

Overall Diameter	408.3 mm
Width Across Flats	395 mm
Flange Height	11.0 mm
Depth (Excl. Flange)	155.00 mm
Magnet Diameter	200 mm

### MOUNTING INFORMATION

Chassis Shoulder Diameter	354.2 mm
Outer Bolt Circle	x6 M8 on 394 mm PCD

### WEIGHT

Nett Weight	10.80 Kg / 23.81 lb
Shipping Weight	11.30 Kg / 24.91 lb