

# PD.153C01

| BASS/MID RANGE DRIVER

**15" / 380 mm**

NOMINAL DIAMETER

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

POWER HANDLING

**100 dB**

SENSITIVITY

**40 Hz - 3.5 kHz**

FREQUENCY RESPONSE

**3.0" / 76 mm**

VOICE COIL DIAMETER

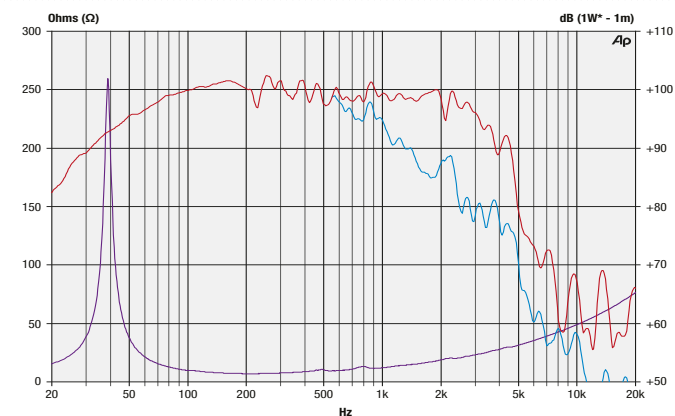
**5.7 mm Xmax**



## 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	15" / 380 mm
Voice Coil Diameter	3.0" / 76 mm
Available Impedances	4 Ohms / 8 Ohms / 16 Ohms
Power Rating	400 W (A.E.S.)
Peak Power (6dB Crest Factor)	1600 W (A.E.S.)
Sensitivity (1w - 1m)	100 dB
Frequency Range	40 Hz - 3.5 kHz
Recommended Enclosure Volume	80 - 200 Litres
Resonance	39 Hz
Voice Coil Winding Depth	17 mm / 0.67"
Magnet Gap Depth	9 mm / 0.35"
Flux Density	1.35 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	39 Hz	Vas	195.20 Litres
Re	5.22 Ω	Mms	110.13 g
Qms	13.13	Sd	907.92 cm <sup>2</sup>
Qes	0.27	Cms	0.17 mm/N
Qts	0.27	BL	26.53 T/m
Le	0.40 mH	Xmax / Xlim (±)	5.7 mm / 15 mm
L2	0.95 mH	Vd	0.518 Litres
R2	34.03 Ω	Ref. Efficiency	4.02%

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 500 Watts.
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 400 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	410 mm
Width Across Flats	395 mm
Flange Height	10 mm
Depth (Excl. Flange)	141 mm
Magnet Diameter	200 mm

## MOUNTING INFORMATION

Chassis Shoulder Diameter	357 mm
Outer Bolt Circle	6x M6 on 395 mm PCD
Inner Bolt Circle	8x M6 on 370 mm PCD

## WEIGHT

Nett Weight	9.5 Kg / 20.94 lb
Shipping Weight	10.5 Kg / 23.15 lb

