



PD.153C002

BASS/ MID RANGE DRIVER



15" / 381 mm

NOMINAL DIAMETER

550 W (A.E.S.)

POWER HANDLING

101 dB

SENSITIVITY (1W/ 1m)

40 Hz - 5 kHz

FREQUENCY RESPONSE

3.0" / 76.2 mm

VOICE COIL DIAMETER

6.75 mm Xmax

MAXIMUM LINEAR EXCURSION

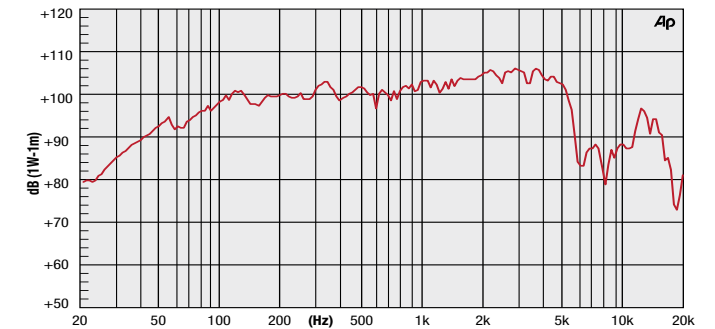


FEATURES:

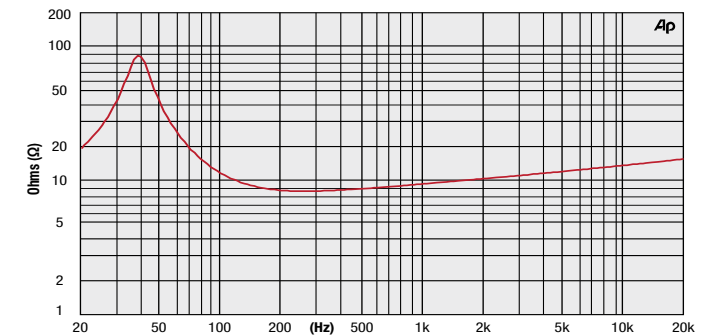
- Vented cast aluminium chassis for improved thermal control of voice coil.
- Aluminium demodulating ring.
- Copper shorting ring.
- M-roll cone surround profile.
- Ribbed cone profile.

The PD.153C002 offers excellent linear response well controlled down to 45Hz. It is a very good solution for two way or multi way systems. Thanks to the copper shorting ring and CCAW voice coil wire the unit also offers extended high frequency performance. Works well in conjunction with 1-inch exit compression driver.

FREQUENCY RESPONSE AND IMPEDANCE CHARTS



*2.83V. Half space response measured in a 975 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) @ 400 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.

GENERAL SPECIFICATIONS

Nominal Diameter	15" / 381 mm	Magnet Gap Depth	10.0 mm / 0.39"
Voice Coil Diameter	3.0" / 76.2 mm	Flux Density	1.20 Tesla
Available Impedances	4 Ohm / 8 Ohm / 16 Ohm	Magnet Material	Y30 Ferrite
Power Rating ¹² *	550 W (A.E.S.)	Voice Coil Material	Copper Clad Aluminium
Peak Power (6dB Crest Factor)*	2200 W (A.E.S.)	Former Material	Kapton
Sensitivity (1W - 1m)*	101 dB	Dust Dome Material	Paper
Frequency Range	40 Hz - 5 kHz	Suspension Material	Fabric
Recommended Enclosure Volume	40 - 80 Litres	Cone / Surround Material	Fabric
Resonance	38 Hz		
Voice Coil Winding Depth	18.50 mm / 0.73"		

THIELE SMALL Parameters (8 Ω MODEL)³

Fs	38 Hz	Mms	67.14 g
Re	5.6 Ω	Sd	853 cm ²
Qms	4.03	Cms	254.40 μm/N
Qes	0.265	BL	18.90 T/m
Qts	0.249	Xmax	6.75 mm
Le (@ 1 kHz)	1.28 mH	Vd	0.570 Litres
Le (@ 10 kHz)	0.128 mH	Ref. Efficiency	5.46%
Vas	263 Litres	EBP	143.40 Hz

DIMENSIONS

Overall Diameter	408.3 mm
Width Across Flats	395 mm
Flange Height	11.0 mm
Depth (Excl. Flange)	152.70 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	10.85 kg / 23.92 lb
Shipping Weight	11.35 kg / 25.02 lb