

PD.153ER

| BASS/ MID RANGE DRIVER

15" / 380 mm
NOMINAL DIAMETER

400 w (A.E.S.)
POWER HANDLING

100 dB
SENSITIVITY

40 Hz - 4.5 kHz
FREQUENCY RESPONSE

3.0" / 76 mm
VOICE COIL DIAMETER

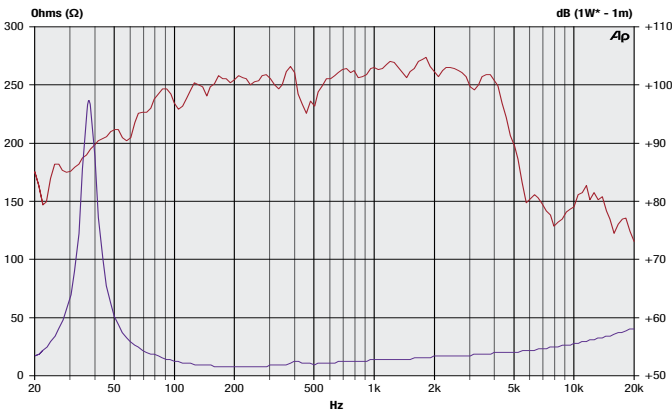
5.7 mm Xmax



PRODUCT FEATURES

- ▶ Heavy-duty cast aluminium chassis for increased rigidity.
- ▶ A B/L in excess of 22 T/m.
- ▶ Extended mid range response up to 4.5kHz.
- ▶ Suitable for either direct radiating or popular horn loaded mid/high applications.
- ▶ Easy integration with small format compression drivers.

FREQUENCY RESPONSE AND IMPEDANCE CURVE



*2.83V. Half space response measured in a 107 Litre vented enclosure.

SPECIFICATIONS

Nominal Diameter	380 mm / 15"
Voice Coil Diameter	76 mm / 3.0"
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 - 4.5 kHz
Recommended Enclosure Volume	80 - 200 Litres
Resonance	40 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 (8Ω MODEL)

Fs	40 Hz	Vas	218.76 litres
Re	5.87 Ω	Mms	74.36 g
Qms	8.65	Sd	855.3 cm ²
Qes	0.22	Cms	179.67 μm/N
Qts	0.21	BL	22.44 T/m
Le	0.48 mH	Xmax	5.7 mm
L2	3.09 mH	Vd	0.473 litres
R2	7.17 Ω	Ref. Efficiency	3.9 %

*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.

1. A.E.S. Standard (50 to 500 Hz).
2. A.E.S. Recommended Practice.
3. Thiele - Small Parameters follow a 400 Watt A.E.S. 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.