

# PD.15BR40

BASS/ MID RANGE DRIVER



**15" / 380 mm**

NOMINAL DIAMETER

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

POWER HANDLING

**97 dB**

SENSITIVITY

**40 Hz - 2.5 kHz**

FREQUENCY RESPONSE

**4.0" / 101 mm**

VOICE COIL DIAMETER

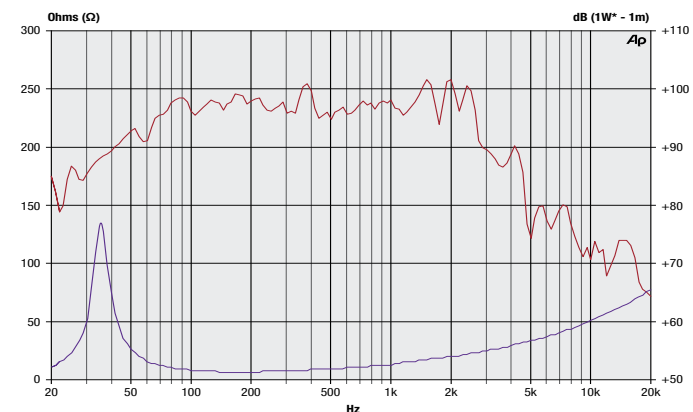
**10.5 mm Xmax**



## PRODUCT FEATURES

- ▶ Heavy-duty cast aluminium chassis for increased rigidity.
- ▶ A smooth extended mid range to allow easy crossover integration.
- ▶ Suitable for bass reflex designs.

## FREQUENCY RESPONSE AND IMPEDANCE CURVE



\*2.83V. Half space response measured in a 975 Litre sealed enclosure.

## SPECIFICATIONS

Nominal Diameter	380 mm / 15"
Voice Coil Diameter	101 mm / 4.0"
Available Impedances	8 Ohms
Power Rating	700 w (A.E.S.)
Peak Power (6dB Crest Factor)	2800 w (A.E.S.)
Sensitivity (1w - 1m)	97 dB
Frequency Range	40 Hz - 2.5 kHz
Recommended Enclosure Volume	75 - 200 Litres
Resonance	38.37 Hz
Voice Coil Winding Depth	25 mm / 0.98"
Magnet Gap Depth	9 mm / 0.35"
Flux Density	1.34 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	38.37 Hz	Vas	140.15 litres
Re	5.24 Ω	Mms	118.75 g
Qms	9.58	Sd	829.58 cm <sup>2</sup>
Qes	0.33	Cms	145 μm/N
Qts	0.32	BL	21.44 T/m
Le	1.04 mH	Xmax	10.5 mm
L2	2.1 mH	Vd	0.89 litres
R2	4.11 Ω	Ref. Efficiency	2.54 %

\*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 700 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)	148 mm
Magnet Diameter	220 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	13.3 Kg / 29.32 lb.
Shipping Weight	14.5 Kg / 31.97 lb.