

PD.18BR40 | BASS DRIVER



18" / 460 mm
NOMINAL DIAMETER

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

97 dB
SENSITIVITY

35 Hz - 3 kHz
FREQUENCY RESPONSE

4.0" / 101 mm
VOICE COIL DIAMETER

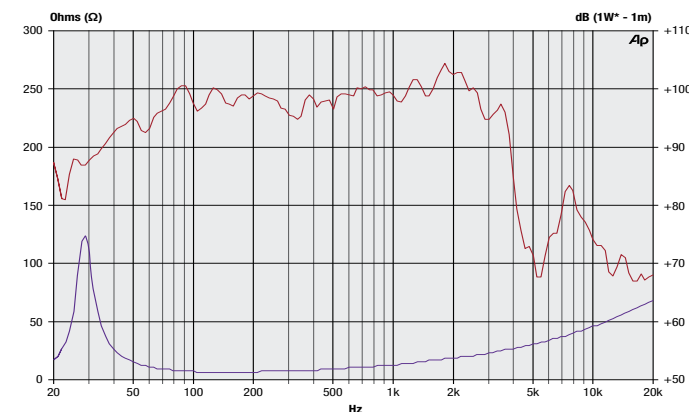
10.5 mm Xmax



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	460 mm / 18"
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	35 Hz - 3 kHz
Recommended Enclosure Volume	100 - 350 Litres
Resonance	30.03 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	30.03 Hz	Vas	308.99 litres
Re	5.11 Ω	Mms	164.2 g
Qms	10.21	Sd	1134.11 cm ²
Qes	0.33	Cms	171 μm/N
Qts	0.32	BL	22.03 T/m
Le	1.03 mH	Xmax	10.5 mm
L2	2.21 mH	Vd	1.19 litres
R2	4.58 Ω	Ref. Efficiency	2.24 %

*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	474 mm
Width Across Flats	458 mm
Flange Height	13 mm
Depth (Excl. Flange)	175 mm
Magnet Diameter	220 mm

MOUNTING INFORMATION

Chassis Shoulder Diameter	415 mm
Outer Bolt Circle	6x M8 on 456 mm PCD
Inner Bolt Circle	N/A

WEIGHT

Nett Weight	14.2 Kg / 31.31 lb.
Shipping Weight	15.6 Kg / 34.39 lb.