

# PD.18BR40 | Bass Driver

**18" / 460 mm**  
NOMINAL DIAMETER

**700 Watts (A.E.S.)**  
POWER HANDLING

**97 dB**  
SENSITIVITY

**35 Hz - 3 kHz**  
FREQUENCY RESPONSE

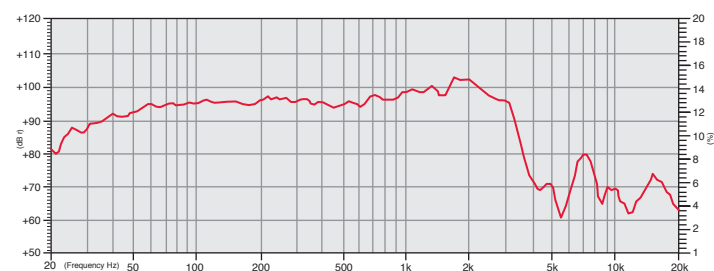
**4.0" / 101 mm**  
VOICE COIL DIAMETER

**100-350 Litres recommended enclosure volume**

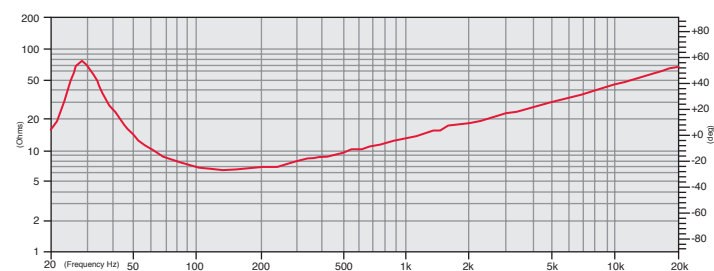


- ▶ Heavy duty cast aluminium frame for increased rigidity
- ▶ 147oz. ceramic magnet

FREQUENCY RESPONSE DATA:



IMPEDANCE:



APPLICATION NOTES:

The ultimate 18" transducer for no compromise bass reflex applications and designed to be capable of being tuned to the lowest bass registers. The ultimate 18" transducer for no compromise bass reflex applications and designed to be capable of being tuned to the lowest bass registers. A smooth extended mid range to allow easy crossover integration makes this a perfect transducer for applications including studio monitors and high quality AV. The impressive Xmax ensures that control is maintained at low frequencies. A smooth extended mid range to allow easy crossover integration makes this a perfect transducer for applications including studio monitors and high quality AV. The impressive Xmax ensures that control is maintained at low frequencies.

\*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 (A.E.S. Standard).

1. A.E.S. Standard (50 to 500 Hz) Program 700 Watts.
2. A.E.S. Recommended Practice.
3. Thiele - Small Parameters follow a 700 Watt preconditioning period.

Half space response measured in a 975 Litre sealed box. 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.

SPECIFICATIONS	
Nominal Diameter	18" / 460 mm
Voice Coil Diameter	4.0" / 101 mm
Nominal Impedance	8 Ω
Power Rating	700 Watts (A.E.S.)
Peak Power (6dB Crest Factor)	2800 Watts (A.E.S.)
Sensitivity (1w - 1m)	97 dB
Frequency Range	35 Hz - 3 kHz
Recommended Enclosure Volume	100 - 350 Litres
Resonance	30 Hz
Voice Coil Winding Depth	1.0" / 25 mm
Magnet Gap Depth	0.36" / 9 mm
Magnet Weight	oz / Kg
Flux Density	1.34 Tesla
Magnet Material	Ceramic
Voice Coil Material	Copper
Dust Dome Material	Paper
Suspension Material	Fabric
Cone / Surround Material	Paper / Cloth

THEIIE SMALL PARAMETERS	
Fs	29.359 Hz
Re	5,280 Ω
Qts	0.356
Qms	7.372
Qes	0.375
Vas	345.620 Litres
Mms	153.597 grams
Sd	1134.11 cm <sup>2</sup>
Cms	191.322 μm/N
BL	19.984 T/m
Xmax	10.5 mm
Vd	Litres
Reference Efficiency	%

MOUNTING AND SHIPPING INFORMATION

Fixing Holes  
x6 Fixing Holes M8

Nett Weight  
31.30 lb / 14.2 Kg

Shipping Weight  
34.38 lb / 15.6 Kg

