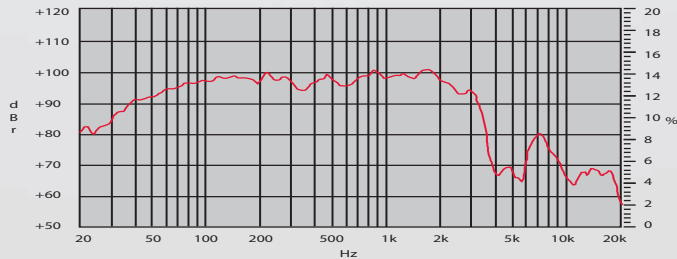


PDN.18SB40

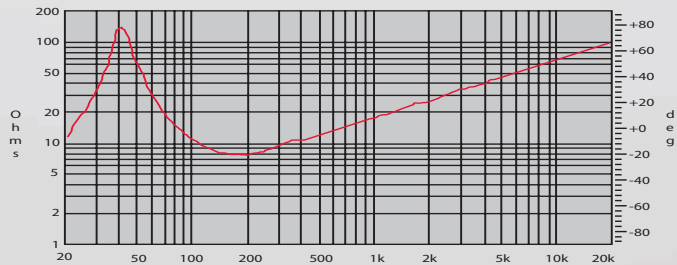


PDN.18SB40

FREQUENCY RESPONSE DATA:



IMPEDANCE:



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.

Designed to provide faultless performance when used in either horn-loaded or bass reflex enclosures where fast accurate lows are demanded.

Neodymium technology ensures superb versatility in situations in which a conventional ceramic magnet transducer is unsuitable on grounds of portability or ease of installation.

An exemplary choice for upgrade or replacement situations where the capability of the PDN.18SB40 to “drop in” and provide outstanding bass response makes this a versatile and highly effective unit.

Well suited to use with PDN.10MH25/ PDN.12MH25 and complimented with 1” or 2” compression drivers in direct radiating/horn loaded systems where the double suspension system allows it to thrive in the demanding touring sector.

- Heavy duty 18” cast aluminium frame with extra wide flange for increased rigidity
- Sub Woofer
- Field replaceable magnet for touring applications
- 600 WRMS
- 4” copper voice coil assembly
- Neodymium magnet assembly
- A B/L in excess of 25 T/m for fast accurate lows
- Net Weight: 8.5kg

SPECIFICATIONS

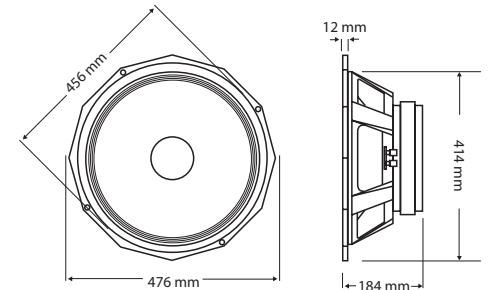
Nominal Diameter	46 cm (18")
Voice Coil Diameter	101 mm (4")
Nominal impedance	4,8 or 16 Ohms
Power Rating	600 Watts (AES)
Sensitivity (1W/1M)	98 dB
Frequency Range	40 Hz - 3.5 KHz
Recommended Enclosure Volume	100-350 Litres
Displacement Limit (peak-peak)	34 mm (1.33")
Resonance	40 Hz
Voice Coil	Copper
Voice Coil Winding Depth	19 mm (0.74")
Magnet Gap Depth	11 mm (0.43")
Magnet Material	Neodymium
Flux Density	1.2 T
Dust Dome Material	Paper
Suspension Material	Dual Fabric
Cone / Surround Material	Paper/Cloth

THIELE SMALL PARAMETERS

Fs	38.527 Hz
Re	6.015 Ohms
Qts	0.325
Qms	10.52
Qes	0.336
Vas	201.323 Litres
Mms	153.124 g
Sd	1134.11 cm ²
Cms	111.445 μM/N
BL	25.772 T/m
Xmax	6.0 mm
Vd	0.68 Litres
Reference Efficiency	3.29 %

MOUNTING AND SHIPPING INFORMATION

Fixing Holes	x 6 Fixing Holes M8
Nett Weight	8.5 Kg (18.74 lb.)
Shipping Weight	9.75 Kg (21.50 lb.)



1. AES Standard (40 to 400 Hz) Program 1200 Watts
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 600 Watt preconditioning period.