

SPECIFICATIONS

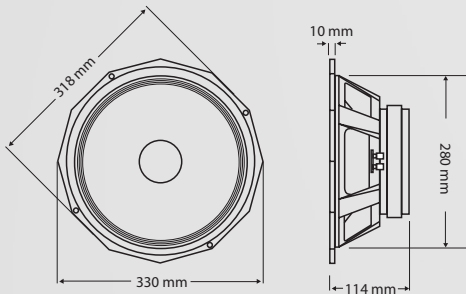
Nominal Diameter	30 cm (12")
Voice Coil Diameter	63 mm (2.5")
Nominal Impedance	4,8 or 16 Ohms
Power Rating	300 Watts (AES)
Sensitivity (1w / 1m)	100 dB
Frequency Range	60 Hz - 5.0 KHz
Recommended Enclosure Volume	25-70 Litres
Displacement Limit (peak-peak)	12 mm (0.47")
Resonance	60 Hz
Voice Coil	Copper
Voice Coil Winding Depth	11 mm (0.44")
Magnet Gap Depth	8 mm (0.31")
Magnet Material	Neodymium
Flux Density	1.67 T
Dust Dome Material	Paper
Suspension Material	Fabric
Cone / Surround Material	Paper/Cloth

THIELE SMALL PARAMETERS

Fs	58.149 Hz
Re	5.743 Ohms
Qts	0.211
Qms	5.811
Qes	0.219
Vas	58.738 Litres
Mms	50.494 g
Sd	530.93 cm ²
Cms	148.363 µm/N
BL	21.973 T/m
Xmax	2.6 mm
Vd	0.138 Litres
Reference Efficiency	4.89 %

MOUNTING AND SHIPPING INFORMATION

Fixing Holes	x 4 Fixing Holes M6 x 8 Concealed M6
Nett Weight	4.5 Kg (9.92 lb.)
Shipping Weight	5.25 Kg (11.57 lb.)



This outstanding low/mid range transducer features a synthetic loaded paper cone optimised for minimum delayed resonances with a smooth mid range roll off which eliminates "out of band" effects.

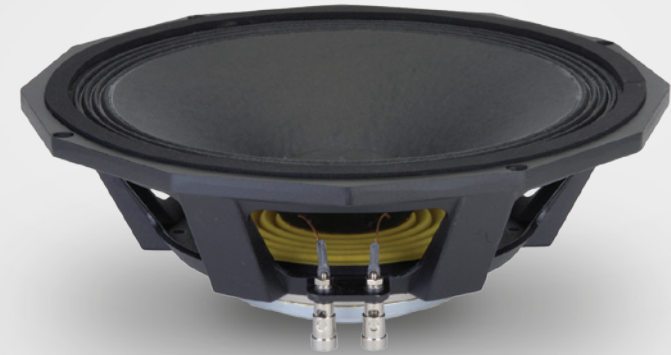
Neodymium technology ensures superb versatility in situations in which a conventional ceramic magnet transducer is unsuitable on grounds of portability or ease of installation.

The PDN.12MH25 excels as a high efficiency transducer perfectly suited to direct radiating or horn loaded mid/high applications.

This transducer perfectly compliments our 15" and 18" neodymium transducers in a three-way system.

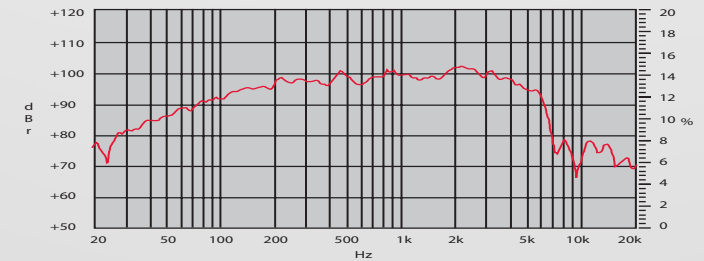
- Heavy duty 12" cast aluminium frame with extra wide flange for increased rigidity
- Mid Range
- Field replaceable magnet for touring applications
- 300 WRMS (AES)
- 2.5" copper voice coil assembly
- Neodymium magnet assembly
- A B/L in excess of 23 T/m for dynamic voicing
- Net Weight: 4.5kg

PDN.12MH25

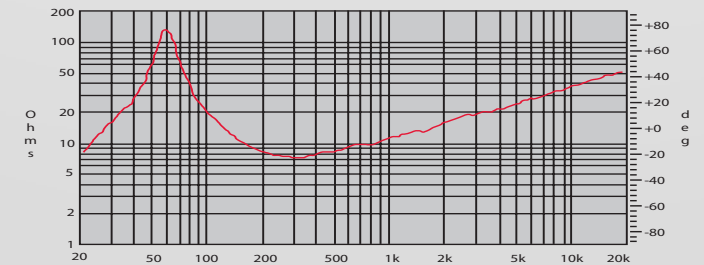


PDN.12MH25

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.

1. AES Standard (60 to 100 Hz) Program 600Watts.

2. AES Recommended Practice.

3. Thiele - Small Parameters follow a 300 Watt preconditioning period.