

- Heavy duty 12” cast aluminium frame with extra wide flange for increased rigidity
- Mid Range
- Field replaceable magnet for touring applications
- 300WRMS
- 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

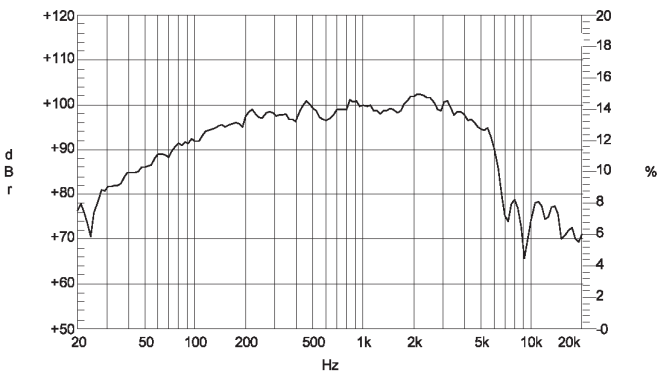
This superlative low/mid range transducer features a synthetic loaded paper cone optimised for minimum delayed resonances with a smooth mid range roll off which eliminates “out of band” effects.

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.

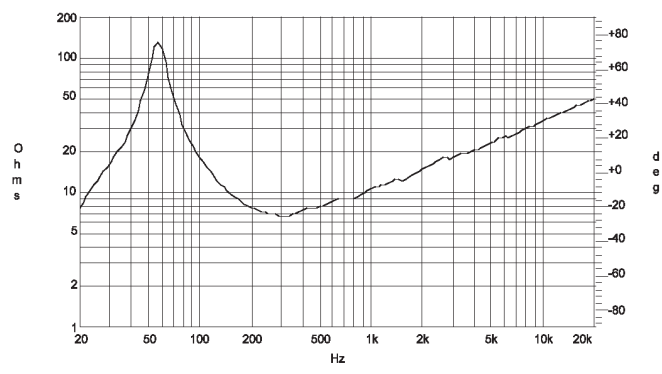
This transducer perfectly compliments our 15” and 18” neodymium transducers in a three-way system.

### Response Detail



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.

### Impedance Detail



Half space response measured in a 975 Litre sealed box.

### Specifications

Nominal diameter	30cm (12”)
Voice coil diameter	63 mm (2.5”)
Nominal impedance	4, 8 or 16 Ohms
Power rating (AES) <sup>1</sup>	300 Watts RMS
Sensitivity <sup>2</sup> (1W/1M)	100 dB/1W/1m
Frequency range	60-5.0 KHz
Enc Vol recommended	N/A
Displacement limit (peak-peak)	12 mm
Nett weight	4.5 Kg
Resonance	60 Hz
Voice coil	copper
Voice coil winding depth	11 mm
Magnet gap depth	8 mm
Flux Density	1.67 T
Dust dome	Paper
Suspension	Fabric
Cone/Surround	Paper/cloth

#### Notes

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

### Thiele - Small Parameters

Fs	58.149 Hz
L1	0.536 mH
L2	1.513 mH
Res	152.085 Ohms
RMSE-load	0.745 Ohms
Qts	0.211
RMSE-free	1.207 Ohms
Qms	5.811
Vas	58.738 Litres
Qes	0.219
Mms	50.494 grams
Sd	530.93 sq cm
Cms	148.363 µM/N
R2	4.778 Ohms
BL	21.973 T/m
Xmax	2.6 mm
Re	5.743 Ohms

#### Notes

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

### Mechanical Data

