



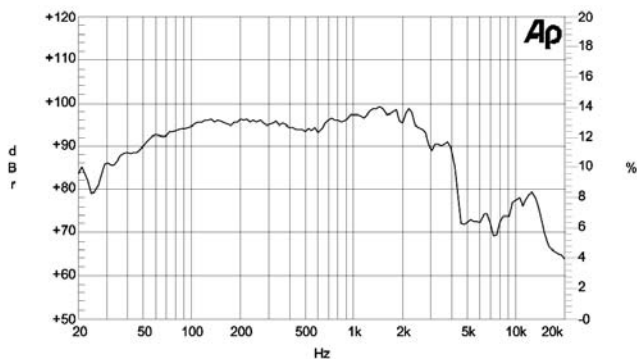
- Heavy duty 15" cast aluminium frame with extra wide flange for increased rigidity
- Bass/Bass-Mid
- Field replaceable magnet
- 700WRMS
- 4" copper voice coil assembly
- Neodymium magnet
- Net Weight: 7.8kg

PDN.15BR40

The ultimate 15" transducer choice for no compromise bass reflex applications in which the light weight benefits of neodymium offer substantial advantages over a conventional ceramic magnet assembly.

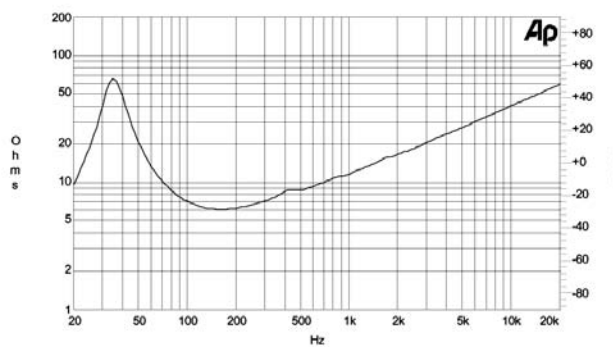
A smooth extended mid range to allow easy crossover integration makes this a perfect transducer for applications including studio monitors and high quality AV. The impressive Xmax ensures that control is maintained at low frequencies. Use of neodymium technology ensures that this is achieved in an extremely lightweight design.

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

Website: www.precision-devices.com

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Technical Specifications

Nominal diameter	38 cm (15")
Voice coil diameter	101 mm (4")
Nominal impedance	8 Ohms
Power rating (AES) ¹	700 Watts
Sensitivity ² (1W/1M)	96 dB/1W/1m
Frequency range	40-2.5 KHz
Enc Vol recommended	75-200 Litres
Displacement limit (peak-peak)	34 mm
Resonance	35 Hz
Voice coil	copper
Voice coil W/L	25 mm
Magnet gap depth	9 mm
Flux Density	1.37 T
Dust dome	Paper
Suspension	Fabric
Cone/Surround	Paper/cloth

Notes

1. AES Standard (50 to 500 Hz) Program 1400 Watts
2. AES Recommended Practice.

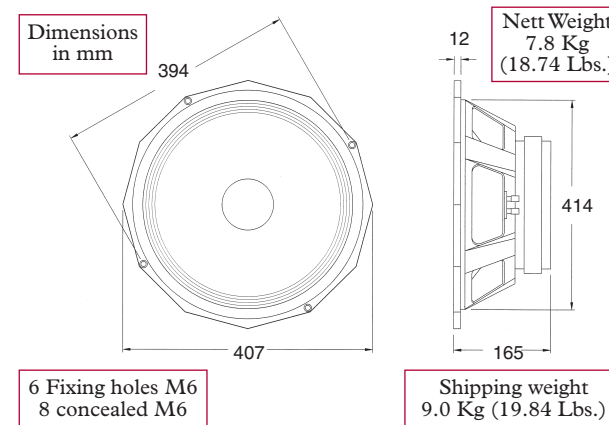
Thiele - Small Parameters

Fs	35.678 Hz
L1	0.820 mH
L2	1.851 mH
Res	79.625 Ohms
RMSE-load	1.945 Ohms
Qts	0.338
RMSE-free	0.430 Ohms
Qms	5.727
Vas	224.800 Litres
Qes	0.359
Mms	90.949 grams
Sd	855.35 Sq Cm
Cms	218.797 μM/N
R2	5.017 Ohms
BL	16.836 T/m
Xmax	10.5 mm
Re	5.106 Ohms

Notes

3. Thiele - Small Parameters follow a 700 Watt preconditioning period.

Mechanical Data



Precision Devices operate a policy of continuous research and development. The implementation of new materials or production methods will always equal or exceed the published specifications, which may change without notice. Details shown on this sheet are correct at time of printing. March 2006.