PRECISION DEVICES
MADE IN ENGLAND

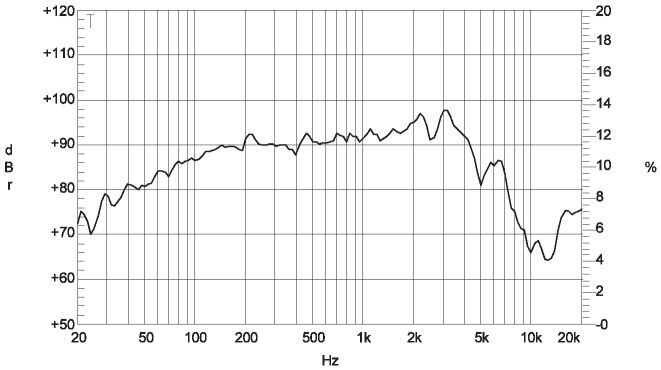
- Heavy duty 8” cast aluminium frame for increased rigidity
- Bass/Mid Range
- 200W$_{RMS}$
- 2” copper voice coil assembly
- Neodymium magnet assembly
- Net Weight: 2.2kg

PDN.8BM30

Perfectly suited for full range high power applications in compact enclosures, the PDN.8BM30 excels in compact sound systems popular for total coverage of the dance floor where low profile cabinets are required with excellent low frequency response.

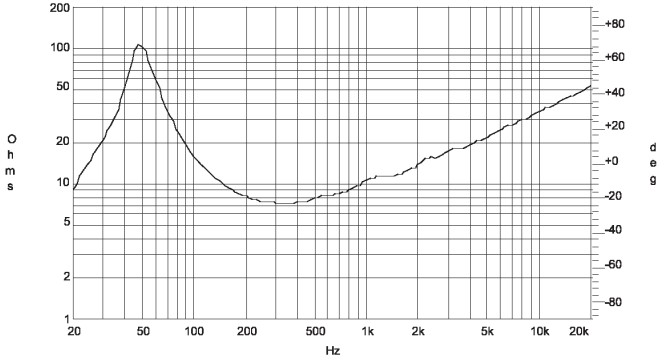
Neodymium technology ensures superb versatility in situations in which a conventional ceramic magnet transducer is unsuitable on grounds of portability or ease of installation.

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	20cm (8”)
Voice coil diameter	51 mm (2”)
Nominal impedance	4, 8 or 16 Ohms
Power rating (AES) [1]	200 Watts RMS
Sensitivity [2] (1W/1M)	93 dB/1W/1m
Frequency range	50-4.5 KHz
Enc Vol recommended	5-20 Litres
Displacement limit (peak-peak)	16 mm
Nett weight	2.2 Kg
Resonance	50 Hz
Voice coil	copper
Voice coil winding depth	13 mm
Magnet gap depth	6.5 mm
Flux Density	1.425 T
Dust dome	Paper
Suspension	Fabric
Cone/Surround	Paper/rubber

Notes

1. AES Standard (50 to 500 Hz) Program 400 Watts
2. AES Recommended Practice.

Thiele - Small Parameters

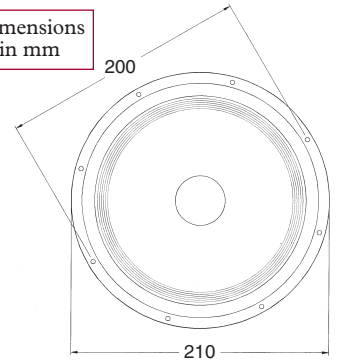
Fs	49.674 Hz
L1	0.516 mH
L2	1.004 mH
Res	106.905 Ohms
RMSE-load	0.575 Ohms
Qts	0.279
RMSE-free	0.635 Ohms
Qms	5.321
Vas	28.549 Litres
Qes	0.294
Mms	29.217 grams
Sd	240.53 sq cm
Cms	351.345 µM/N
R2	5.153 Ohms
BL	13.536 T/m
Xmax	4.8 mm
Re	5.907 Ohms

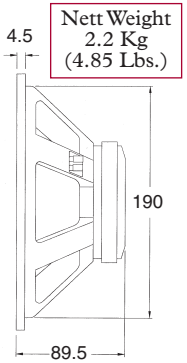
Notes

3. Thiele - Small Parameters follow a 200 Watt preconditioning period.

Mechanical Data

Dimensions in mm





Nett Weight 2.2 Kg (4.85 Lbs.)

8 Fixing holes M5

Shipping weight 2.5 Kg (5.51 Lbs.)

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