

PD.8BM20

BASS/ MID RANGE DRIVER



8" / 200 mm

NOMINAL DIAMETER

200 w (A.E.S.)

POWER HANDLING

92 dB

SENSITIVITY

50 Hz - 4.5 kHz

FREQUENCY RESPONSE

2.0" / 51 mm

VOICE COIL DIAMETER

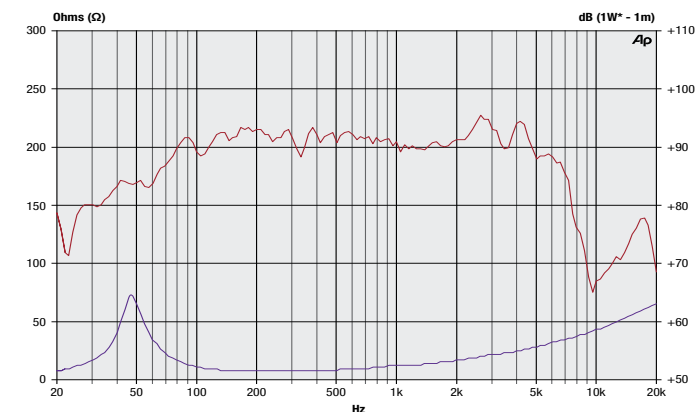
4.5 mm Xmax



PRODUCT FEATURES

- ▶ A perfect choice for full range high power applications in compact cabinets.
- ▶ Excels in compact sound systems.
- ▶ Ideal for low profile cabinets with excellent low frequency response.

FREQUENCY RESPONSE AND IMPEDANCE CURVE



*2.83V. Half space response measured in a 975 Litre sealed enclosure.

SPECIFICATIONS

Nominal Diameter	200 mm / 8"
Voice Coil Diameter	51 mm / 2.0"
Available Impedances	4 Ohms/ 8 Ohms/ 16 Ohms
Power Rating	200 w (A.E.S.)
Peak Power (6dB Crest Factor)	800 w (A.E.S.)
Sensitivity (1w - 1m)	92 dB
Frequency Range	50 Hz - 4.5 kHz
Recommended Enclosure Volume	5 - 20 Litres
Resonance	49.04 Hz
Voice Coil Winding Depth	13 mm / 0.51"
Magnet Gap Depth	6 mm / 0.24"
Flux Density	1.29 Tesla
Magnet Material	Ceramic
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Paper
Suspension Material	Fabric
Cone / Surround Material	Paper / Rubber

THIELE SMALL PARAMETERS (8Ω MODEL)

Fs	49.04 Hz	Vas	22.18 litres
Re	5.86 Ω	Mms	34.42 g
Qms	7.28	Scd	226.98 cm ²
Qes	0.42	Cms	306.33 μm/N
Qts	0.4	BL	12.48 T/m
Le	0.52 mH	Xmax	4.5 mm
L2	1.01 mH	Vd	0.102 litres
R2	10.81 Ω	Ref. Efficiency	0.9 %

*1 Power compression is the reduction of sensitivity at the specified power. Higher power ratings do not necessarily give a proportionate increase in SPL therefore the maximum SPL of the driver may significantly exceed that of other manufacturers with high power ratings.

1. A.E.S. Standard (50 to 500 Hz).
2. A.E.S. Recommended Practice.
3. Thiele - Small Parameters follow a 200 Watt A.E.S. preconditioning period.

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.

DIMENSIONS

Overall Diameter	210 mm
Width Across Flats	0 mm
Flange Height	8.5 mm
Depth (Excl. Flange)	84.5 mm
Magnet Diameter	135 mm

MOUNTING INFORMATION

Chassis Shoulder Diameter	191 mm
Outer Bolt Circle	8x M5 on 199 mm PCD
Inner Bolt Circle	N/A

WEIGHT

Nett Weight	3.6 Kg / 7.94 lb.
Shipping Weight	3.9 Kg / 8.6 lb.