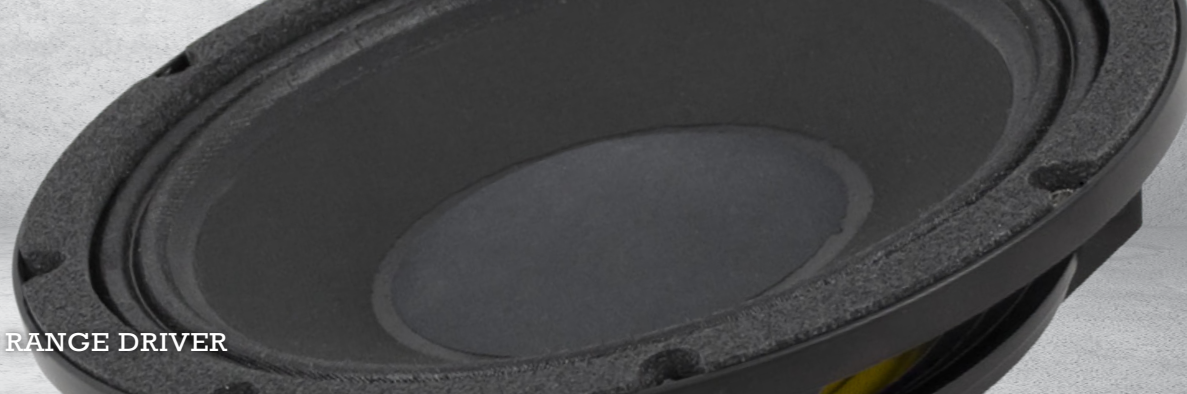


PDN.8BM31

| BASS/ MID RANGE DRIVER



8" / 200 mm
NOMINAL DIAMETER

150 w (A.E.S.)
POWER HANDLING

95 dB
SENSITIVITY

70 Hz - 5 kHz
FREQUENCY RESPONSE

2.0" / 51 mm
VOICE COIL DIAMETER

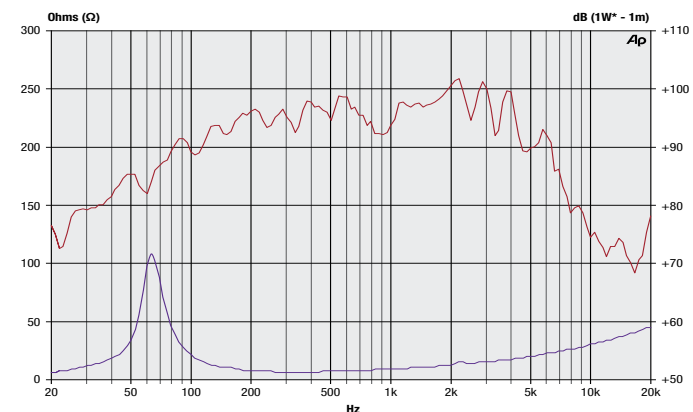
4 mm Xmax



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.
- ▶ Lightweight neodymium magnet.

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	150 w (A.E.S.)
Peak Power (6dB Crest Factor)	600 w (A.E.S.)
Sensitivity (1w - 1m)	95 dB
Frequency Range	70 Hz - 5 kHz
Recommended Enclosure Volume	5 - 20 Litres
Resonance	79.34 Hz
Voice Coil Winding Depth	11.5 mm / 0.45"
Magnet Gap Depth	6.5 mm / 0.26"
Flux Density	1.43 Tesla
Magnet Material	Neodymium
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Paper
Suspension Material	Fabric
Cone / Surround Material	Paper / Fabric

THIELE SMALL PARAMETERS (8Ω MODEL)

Fs	79.34 Hz	Vas	13.27 litres
Re	5.45 Ω	Mms	22.04 g
Qms	6.79	Sd	226.98 cm ²
Qes	0.45	Cms	183.17 μm/N
Qts	0.42	BL	13.57 T/m
Le	0.34 mH	Xmax	4 mm
L2	0.85 mH	Vd	0.0896 litres
R2	7.36 Ω	Ref. Efficiency	1.74 %

*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 (60 to 600 Hz).
2. A.E.S. Recommended Practice.
3. Thiele - Small Parameters follow a 150 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)	88.5 mm
Magnet Diameter	100 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	2.2 Kg / 4.85 lb.
Shipping Weight	2.5 Kg / 5.51 lb.