

PDN.2450

SUB BASS DRIVER



24" / 610 mm

NOMINAL DIAMETER

1000 w (A.E.S.)

POWER HANDLING

98 dB

SENSITIVITY

30 Hz - 1 kHz

FREQUENCY RESPONSE

6.0" / 152 mm

VOICE COIL DIAMETER

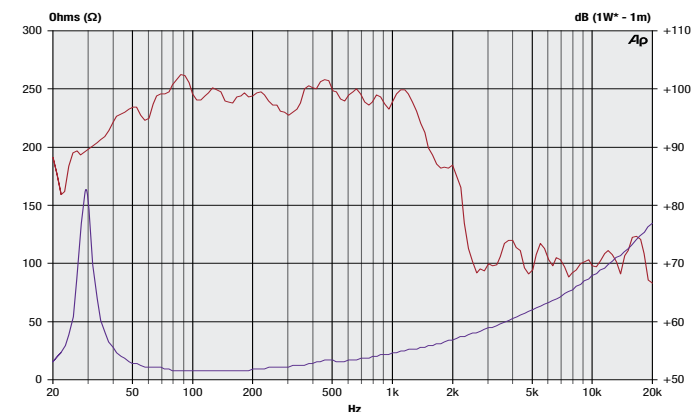
10.5 mm Xmax



PRODUCT FEATURES

- ▶ Heavy-duty cast aluminium chassis for increased rigidity.
- ▶ Power compression 2dB at rated power.
- ▶ A B/L in excess of 35 T/m.
- ▶ Double suspension system.
- ▶ Suitable for horn loaded or bass reflex designs.
- ▶ Lightweight neodymium magnet.

FREQUENCY RESPONSE AND IMPEDANCE CURVE



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

SPECIFICATIONS

Nominal Diameter	610 mm / 24"
Voice Coil Diameter	152 mm / 6.0"
Available Impedances	4 Ohms/ 8 Ohms/ 16 Ohms
Power Rating	1000 w (A.E.S.)
Peak Power (6dB Crest Factor)	4000 w (A.E.S.)
Sensitivity (1w - 1m)	98 dB
Frequency Range	30 Hz - 1 kHz
Recommended Enclosure Volume	130 - 400 Litres
Resonance	31.48 Hz
Voice Coil Winding Depth	30 mm / 1.18"
Magnet Gap Depth	15 mm / 0.59"
Flux Density	1.1 Tesla
Magnet Material	Neodymium
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Paper
Suspension Material	Dual Fabric
Cone / Surround Material	Paper / Fabric

THIELE SMALL PARAMETERS (8Ω MODEL)

Fs	31.48 Hz	Vas	369.15 litres
Re	5.55 Ω	Mms	416.49 g
Qms	14.11	Sd	2248.01 cm ²
Qes	0.36	Cms	61.33 μm/N
Qts	0.35	BL	35.75 T/m
Le	1.76 mH	Xmax	10.5 mm
L2	3.69 mH	Vd	2.36 litres
R2	11.45 Ω	Ref. Efficiency	3.82 %

*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 (40 to 400 Hz).
2. A.E.S. Recommended Practice.
3. Thiele - Small Parameters follow a 1000 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	632 mm
Width Across Flats	610 mm
Flange Height	17 mm
Depth (Excl. Flange)	232 mm
Magnet Diameter	223 mm

MOUNTING INFORMATION

Chassis Shoulder Diameter	573 mm
Outer Bolt Circle	6x M8 on 605 mm PCD
Inner Bolt Circle	N/A

WEIGHT

Nett Weight	25.8 Kg / 56.88 lb.
Shipping Weight	27.8 Kg / 61.29 lb.