

PD.123C01 | BASS DRIVER

12" / 300 mm
NOMINAL DIAMETER

400 W (A.E.S.)
POWER HANDLING

96 dB
SENSITIVITY

45 Hz - 3.5 kHz
FREQUENCY RESPONSE

3.0" / 76 mm
VOICE COIL DIAMETER

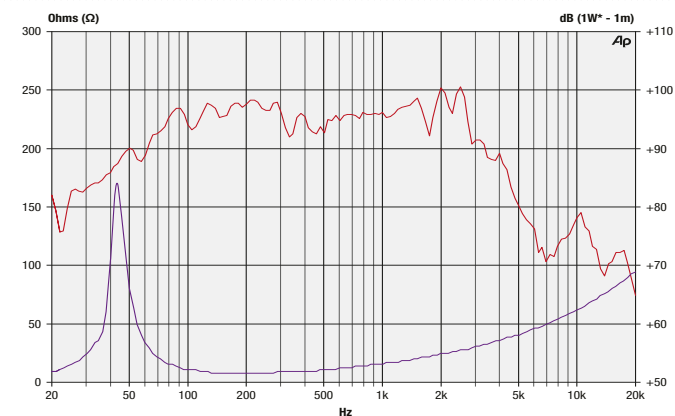
7 mm Xmax



PRODUCT FEATURES

- ▶ Heavy duty cast aluminium frame for increased rigidity.
- ▶ Low Distortion.
- ▶ Long driver excursion.
- ▶ Suitable for bass reflex or band pass designs.

FREQUENCY RESPONSE AND IMPEDANCE CURVE



*2.83V. Half space response measured in a 975 Litre sealed Enclosure.
Blue Line = fundamental 45° off-axis.

SPECIFICATIONS

Nominal Diameter	12" / 300 mm
Voice Coil Diameter	3.0" / 76 mm
Available Impedances	4 Ohms / 8 Ohms / 16 Ohms
Power Rating	400 W (A.E.S.)
Peak Power (6dB Crest Factor)	1600 W (A.E.S.)
Sensitivity (1w - 1m)	96 dB
Frequency Range	45 Hz - 3.5 kHz
Recommended Enclosure Volume	25 - 75 Litres
Resonance	46 Hz
Voice Coil Winding Depth	19 mm / 0.75"
Magnet Gap Depth	9 mm / 0.35"
Flux Density	1.1 Tesla
Magnet Material	Ferrite
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Paper
Suspension Material	Fabric
Cone / Surround Material	Paper / Fabric

THIELE SMALL PARAMETERS (8 Ω MODEL)

Fs	46 Hz	Vas	66.82 Litres
Re	5.88 Ω	Mms	68.56 g
Qms	16.18	Sd	530.93 cm ²
Qes	0.32	Cms	0.17 mm/N
Qts	0.31	BL	19.22 T/m
Le	0.85 mH	Xmax / Xlim (±)	7 mm / 22 mm
L2	1.78 mH	Vd	0.372 Litres
R2	14.75 Ω	Ref. Efficiency	2.28%

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. AES Standard (45 to 450Hz) Program 400Watts.
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 400 Watt 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	330 mm
Width Across Flats	320.5 mm
Flange Height	10 mm
Depth (Excl. Flange)	127 mm
Magnet Diameter	170 mm

MOUNTING INFORMATION

Chassis Shoulder Diameter	282 mm
Outer Bolt Circle	4x M6 on 318 mm PCD
Inner Bolt Circle	8x M6 on 293 mm PCD

WEIGHT

Nett Weight	7.9 Kg / 17.42 lb
Shipping Weight	8.8 Kg / 19.40 lb