

PD.184C01 | BASS DRIVER



18" / 460 mm
NOMINAL DIAMETER

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

98 dB
SENSITIVITY

40 Hz - 1 kHz
FREQUENCY RESPONSE

4.0" / 101 mm
VOICE COIL DIAMETER

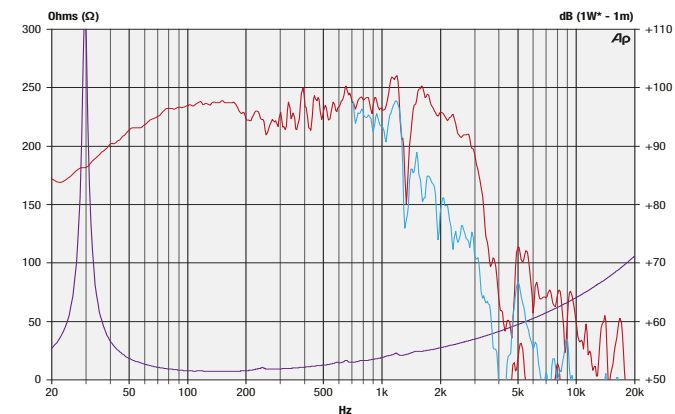
8 mm Xmax



PRODUCT FEATURES

- ▶ Heavy duty cast aluminium frame for increased rigidity.
- ▶ Low distortion.
- ▶ Suitable for bass reflex or closed box designs but also works well in horn loaded 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	18" / 460 mm
Voice Coil Diameter	4.0" / 101 mm
Available Impedances	4 Ohms / 8 Ohms / 16 Ohms
Power Rating	700 W (A.E.S.)
Peak Power (6dB Crest Factor)	2800 W (A.E.S.)
Sensitivity (1w - 1m)	98 dB
Frequency Range	40 Hz - 1 kHz
Recommended Enclosure Volume	100 - 300 Litres
Resonance	30 Hz
Voice Coil Winding Depth	22 mm / 0.87"
Magnet Gap Depth	11 mm / 0.43"
Flux Density	0.98 Tesla
Magnet Material	Ceramic
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	30 Hz	Vas	337.07 Litres
Re	4.81 Ω	Mms	163.37 g
Qms	15.2	Sd	1164.16 cm ²
Qes	0.23	Cms	0.18 mm/N
Qts	0.23	BL	25.21 T/m
Le	0.47 mH	Xmax / Xlim (±)	8 mm / 16 mm
L2	1.56 mH	Vd	0.931 Litres
R2	57.43 Ω	Ref. Efficiency	3.65%

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 (40 to 400Hz) Program 700 Watts.
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 700 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	474 mm
Width Across Flats	459 mm
Flange Height	14.5 mm
Depth (Excl. Flange)	174 mm
Magnet Diameter	225 mm

MOUNTING INFORMATION

Chassis Shoulder Diameter	415.5 mm
Outer Bolt Circle	6x M8 on 455 mm PCD
Inner Bolt Circle	N/A

WEIGHT

Nett Weight	14 Kg / 30.86 lb
Shipping Weight	15.25 Kg / 33.62 lb