

PD.185N01

| SUB BASS DRIVER

18" / 460 mm
NOMINAL DIAMETER

1000 W (A.E.S.)
POWER HANDLING

98 dB
SENSITIVITY

35 Hz - 1 kHz
FREQUENCY RESPONSE

5.0" / 127 mm
VOICE COIL DIAMETER

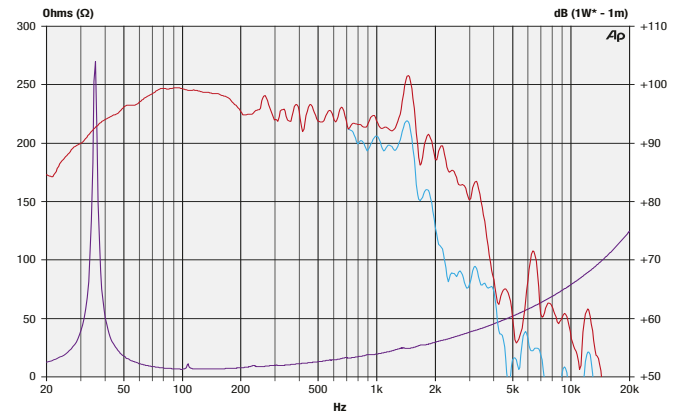
12 mm Xmax



PRODUCT FEATURES

- ▶ Lightweight neodymium motor system.
- ▶ Heavy duty cast aluminium frame for increased rigidity.
- ▶ Low distortion.
- ▶ Long driver excursion.
- ▶ Double suspension system.
- ▶ 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	5.0" / 127 mm
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	35 Hz - 1 kHz
Recommended Enclosure Volume	90 - 220 Litres
Resonance	35.6 Hz
Voice Coil Winding Depth	28 mm / 1.10"
Magnet Gap Depth	12 mm / 0.47"
Flux Density	1.05 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 (8 Ω MODEL)

Fs	35.6 Hz	Vas	174.5 Litres
Re	5 Ω	Mms	220.21 g
Qms	21.47	Sd	1164.16 cm ²
Qes	0.39	Cms	0.09 mm/N
Qts	0.39	BL	24.87 T/m
Le	0.62 mH	Xmax / Xlim (±)	12 mm / 22 mm
L2	1.59 mH	Vd	1.397 Litres
R2	59.36 Ω	Ref. Efficiency	1.90%

1. AES Standard (35 to 350 Hz)
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 1000 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)	185 mm
Magnet Diameter	166 mm

MOUNTING INFORMATION

Chassis Shoulder Diameter	414.5 mm
Outer Bolt Circle	6x M8 on 455 mm PCD
Inner Bolt Circle	N/A

WEIGHT

Nett Weight	11.5 Kg / 25.35 lb
Shipping Weight	12.9 Kg / 28.44 lb