

# PD.185N02

| SUB BASS DRIVER

**18" / 460 mm**

NOMINAL DIAMETER

**1100 w (A.E.S.)**

POWER HANDLING

**98 dB**

SENSITIVITY

**35 Hz - 1 kHz**

FREQUENCY RESPONSE

**5.0" / 127 mm**

VOICE COIL DIAMETER

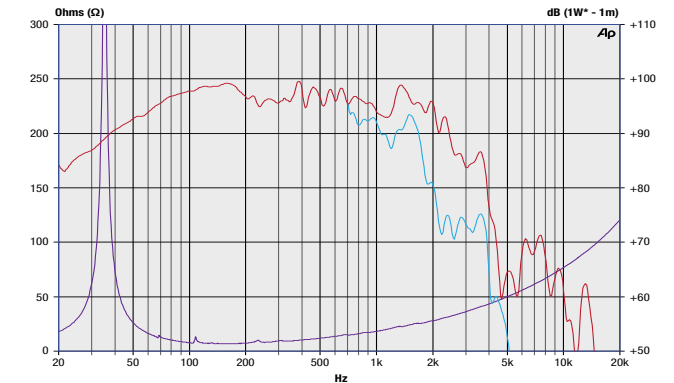
**12 mm Xmax**



## PRODUCT FEATURES

- ▶ Lightweight neodymium motor system.
- ▶ Heavy duty cast aluminium frame for increased rigidity.
- ▶ Low distortion subwoofer.
- ▶ Long driver excursion.
- ▶ High BL factor in excess of 30 T/m.
- ▶ Double suspension system.
- ▶ Suitable for bass reflex or horn loaded designs but also works well in closed box applications.

## 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	460 mm / 18"
Voice Coil Diameter	127 mm / 5.0"
Available Impedances	4 Ohms / 8 Ohms / 16 Ohms
Power Rating	1100 w (A.E.S.)
Peak Power (6dB Crest Factor)	4400 w (A.E.S.)
Sensitivity (1w - 1m)	98 dB
Frequency Range	35 Hz - 1 kHz
Recommended Enclosure Volume	90 - 220 Litres
Resonance	35.24 Hz
Voice Coil Winding Depth	28 mm / 1.10"
Magnet Gap Depth	12 mm / 0.47"
Flux Density	1.18 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	35.24 Hz	Vas	178.281 litres
Re	4.70 Ω	Mms	219.92 g
Qms	22.06	Sd	1164.16 cm <sup>2</sup>
Qes	0.25	Cms	0.09 mm/N
Qts	0.24	BL	30.55 T/m
Le	0.57 mH	Xmax / Xlim	12 mm / 45 mm
L2	1.50 mH	Vd	1.397 litres
R2	60.87 Ω	Ref. Efficiency	3.03 %

1. AES Standard (35 to 350 Hz)
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 1100 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.