

# PD.155N01 | BASS DRIVER



**15" / 380 mm**  
NOMINAL DIAMETER

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

**98 dB**  
SENSITIVITY

**45 Hz - 1.5 kHz**  
FREQUENCY RESPONSE

**5.0" / 127 mm**  
VOICE COIL DIAMETER

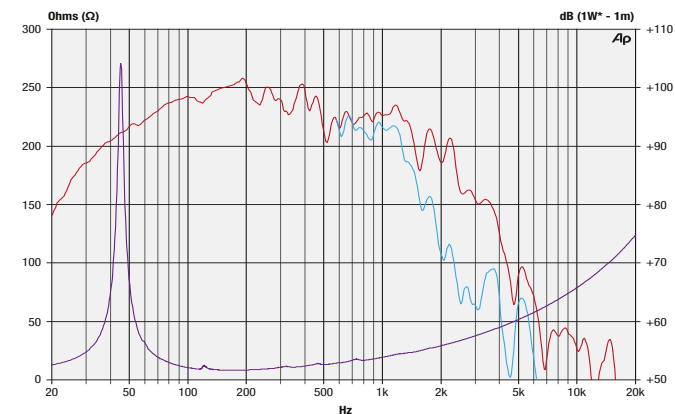
**10.5 mm Xmax**



## PRODUCT FEATURES

- ▶ Lightweight neodymium motor system.
- ▶ Heavy duty cast aluminium frame for increased rigidity.
- ▶ Low distortion.
- ▶ Long driver excursion.
- ▶ Suitable for bass reflex or closed box designs but also works well in horn loaded designs.
- ▶ Provides bass coverage in the PD.155TXN01 triaxial driver.

## 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	15" / 380 mm
Voice Coil Diameter	5.0" / 127 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	45 Hz - 1.5 kHz
Recommended Enclosure Volume	80 - 200 Litres
Resonance	45 Hz
Voice Coil Winding Depth	25 mm / 0.98"
Magnet Gap Depth	9 mm / 0.35"
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	45 Hz	Vas	113.42 Litres
Re	6.42 Ω	Mms	119.82 g
Qms	13.41	Sd	907.92 cm <sup>2</sup>
Qes	0.32	Cms	0.10 mm/N
Qts	0.31	BL	26.53 T/m
Le	0.61 mH	Xmax / Xlim (±)	10.5 mm / 20 mm
L2	1.50 mH	Vd	0.953 Litres
R2	60.64 Ω	Ref. Efficiency	3.43%

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 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	410 mm
Width Across Flats	395 mm
Flange Height	10 mm
Depth (Excl. Flange)	158 mm
Magnet Diameter	166 mm

## MOUNTING INFORMATION

Chassis Shoulder Diameter	357 mm
Outer Bolt Circle	6x M6 on 395 mm PCD
Inner Bolt Circle	8x M6 on 370 mm PCD

## WEIGHT

Nett Weight	9.5 Kg / 20.94 lb
Shipping Weight	11 Kg / 24.25 lb