

PD.153ER/2 BASS / MID RANGE DRIVER



15" / 380 mm
NOMINAL DIAMETER

40 Hz - 4.5 kHz
FREQUENCY RESPONSE

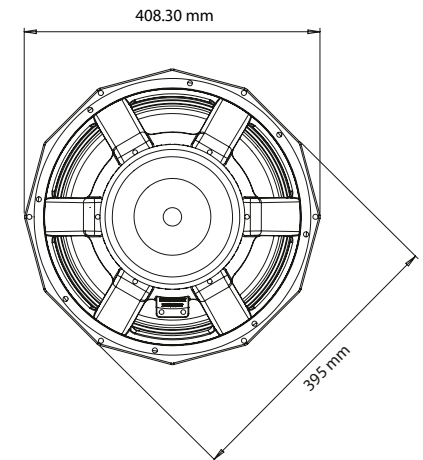
3.0" / 76 mm
VOICE COIL DIAMETER

100 dB
SENSITIVITY (1W/ 1m)

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

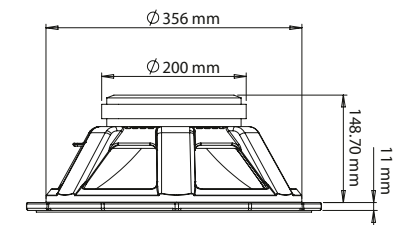
5.7 mm Xmax
MAXIMUM LINEAR EXCURSION

- > **NEW ERGONOMIC, VENTED CAST ALUMINIUM CHASSIS OFFERS IMPROVED THERMAL CONTROL**
- > **A BL IN EXCESS OF 22 T/M**
- > **EXTENDED MID RANGE RESPONSE UP TO 4.5 KHZ**
- > **IMPROVED MOTOR PLATING PROVIDING A MORE RESILIENT FINISH AND RESISTANCE TO CORROSION**
- > **SUITABLE FOR EITHER DIRECT RADIATING OR POPULAR HORN-LOADED MID/ HIGH APPLICATIONS**
- > **EASY INTEGRATION WITH COMPRESSION DRIVERS**
- > **VENTED VOICE COIL DESIGN**



Combining excellent bass performance with the advantage of an extended, very fast mid range frequency response, the PD.153ER/2 is an excellent choice where a small format high frequency unit dictates a higher crossover point than can be achieved with other, more conventional, 15-inch transducers.

A popular choice for stage wedges where a faster mid range attack is required. The PD.153ER/2 is also well suited to bass guitar applications.



PD.153ER/2 BASS / MID RANGE DRIVER

GENERAL SPECIFICATIONS

Nominal Diameter	15" / 380 mm
Voice Coil Diameter	3.0" / 76 mm
Available Impedances	4 / 8 / 16 Ohm
Power Rating ^{1,2*}	400 W (A.E.S.)
Peak Power (6dB Crest Factor)*	1600 W (A.E.S.)
Sensitivity (1W - 1m)*	100 dB
Frequency Range	40 Hz - 4.5 kHz
Recommended Enclosure Volume	80 - 200 Litres
Resonance	40 Hz
Voice Coil Winding Depth	17 mm / 0.67"
Magnet Gap Depth	9 mm / 0.35"
Flux Density	1.35 Tesla
Magnet Material	Ceramic
Voice Coil Material	Copper
Former Material	Glass Fibre
Dust Dome Material	Paper
Suspension Material	Fabric
Cone Material	Paper
Surround Material	Fabric

WEIGHT

Nett Weight	9.50 kg / 20.94 lb
Shipping Weight	10.5 kg / 23.15 lb

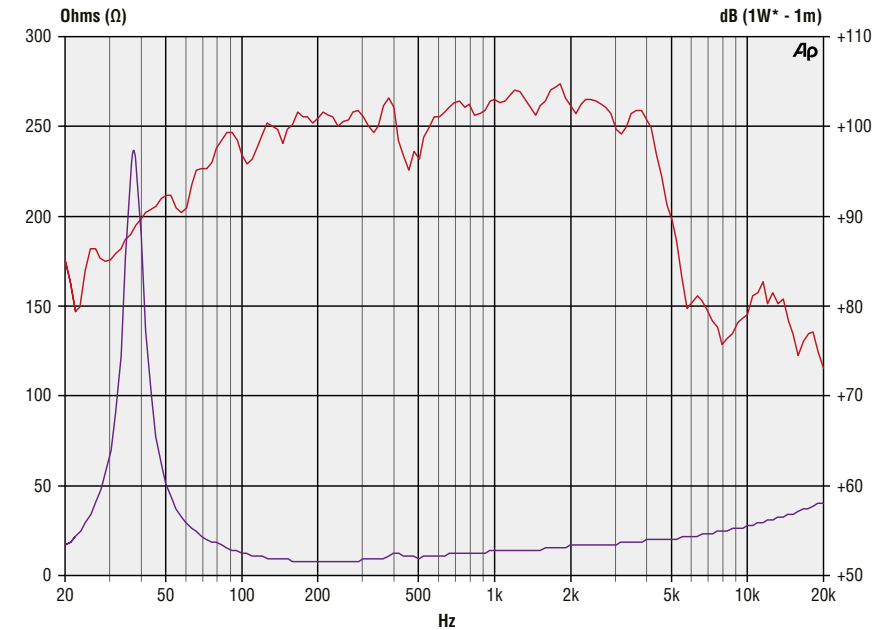
THIELE SMALL PARAMETERS (8 Ω MODEL)³

Fs	39 Hz
Re	5.7 Ω
Qms	4.45
Qes	0.234
Qts	0.222
Le (@ 1 kHz)	- mH
Le (@ 10 kHz)	- mH
Vas	160 Litres
Mms	101 g
Sd	830 cm ²
Cms	163 μm/N
BL	24.55 T/m
Xmax	5.7 mm
Vd	0.473 Litres
Ref. Efficiency	3.9%
EBP	166.66 Hz

DIMENSIONS & MOUNTING INFORMATION

Overall Diameter	408.3 mm
Width Across Flats	395 mm
Flange Height	11 mm
Depth (Excl. Flange)	148.7 mm
Magnet Diameter	220 mm
Chassis Shoulder Diameter	356 mm
Outer Bolt Circle	x6 M8 on 394 mm PCD

FREQUENCY RESPONSE & IMPEDANCE CHARTS⁴



* 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.

** Distortion is measured at 10% of the rated power (A.E.S. Standard).

1. A.E.S. Standard (50 to 500 Hz). Program 800 Watts.

2. A.E.S. Recommended Practice.

3. Thiele - Small Parameters follow a 400 Watt preconditioning period verified by Klippel LSI measurement.

4. 2.83V. Half space response measured in a 975 Litre sealed enclosure.

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.