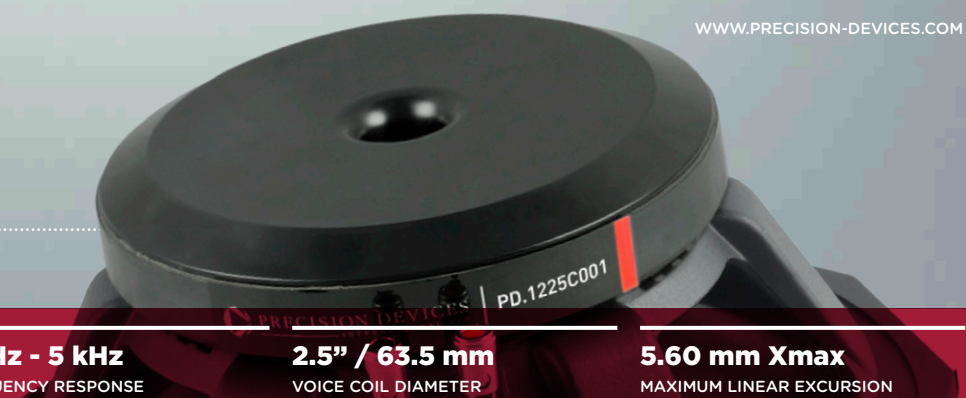


PD.1225C001

BASS/ MID RANGE DRIVER



12" / 304.8 mm
NOMINAL DIAMETER

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

100 dB
SENSITIVITY (1W/ 1m)

45 Hz - 5 kHz
FREQUENCY RESPONSE

2.5" / 63.5 mm
VOICE COIL DIAMETER

5.60 mm Xmax
MAXIMUM LINEAR EXCURSION

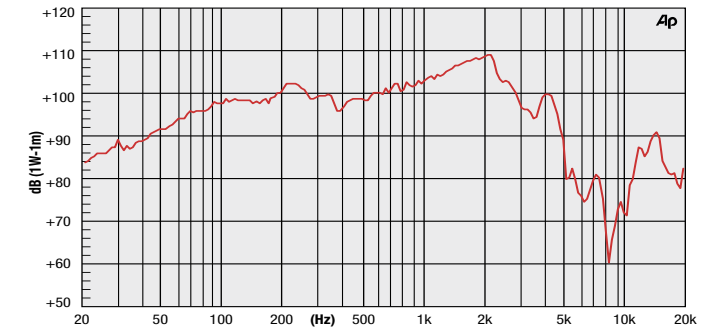


FEATURES:

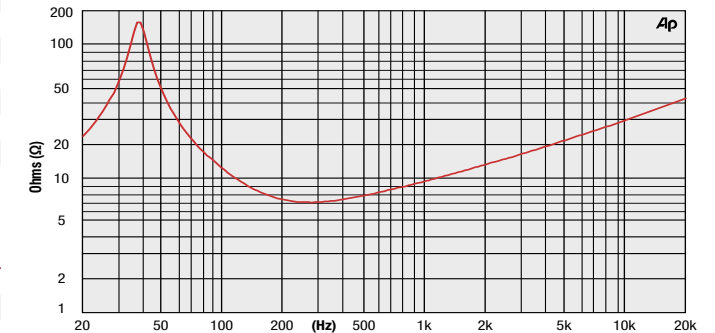
- Vented cast aluminium chassis for improved thermal control of voice coil.
- Optimised vented voice coil cools and reduces coil gap turbulence.
- Intended for 2 way speaker systems in a KTV application.

The PD.1225C001 is intended for KTV applications and offers good vocal character. The unit can produce good solid bass in compact cabinet design without the need of sub cabinets in the room.

FREQUENCY RESPONSE AND IMPEDANCE CHARTS



*2.83V. Half space response measured in a 960 Litre sealed enclosure.



*1 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 (AES Standard).

1. AES Standard (50 to 500 Hz) Program 300 Watts.
2. AES Recommended Practice.
3. Thiele - Small Parameters follow a 300 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.

GENERAL SPECIFICATIONS

Nominal Diameter	12" / 304.8 mm	Magnet Gap Depth	9.0 mm / 0.35"
Voice Coil Diameter	2.5" / 63.5 mm	Flux Density	110 Tesla
Available Impedances	4 Ohm / 8 Ohm / 16 Ohm	Magnet Material	Y30 Ferrite
Power Rating ^{12*}	300 W (A.E.S.)	Voice Coil Material	Copper Clad Aluminium
Peak Power (6dB Crest Factor)*	1200 W (A.E.S.)	Former Material	Glass Fibre
Sensitivity (1W - 1m)*	100 dB	Dust Dome Material	Paper
Frequency Range	45 Hz - 5 kHz	Suspension Material	Poly Cotton
Recommended Enclosure Volume	25 - 60 Litres	Cone / Surround Material	Fabric
Resonance	39 Hz		
Voice Coil Winding Depth	15.80 mm / 0.62"		

THIELE SMALL Parameters (8 Ω MODEL)³

Fs	39 Hz	Mms	48.30 g
Re	5.2 Ω	Sd	549.9 cm ²
Qms	5.90	Cms	363.20 μm/N
Qes	0.195	BL	17.54 T/m
Qts	0.189	Xmax	5.60 mm
Le (@ 1 kHz)	1.33 mH	Vd	0.310 Litres
Le (@ 10 kHz)	0.450 mH	Ref. Efficiency	4.23%
Vas	156 Litres	EBP	200.00 Hz

DIMENSIONS

Overall Diameter	331.0 mm
Width Across Flats	320 mm
Flange Height	10.0 mm
Depth (Excl. Flange)	113.00 mm
Magnet Diameter	200 mm

MOUNTING INFORMATION

Chassis Shoulder Diameter	279.0 mm
Outer Bolt Circle	x4 M6 on 318 mm PCD
Inner Bolt Circle	(Hidden) x8 M6 on 293 mm PCD

WEIGHT

Nett Weight	8.45 Kg / 18.63 lb
Shipping Weight	9.30 Kg / 20.50 lb