



PD.184



- Heavy duty 18" cast aluminium frame with extra wide flange for increased rigidity
- 600W_{RMS}
- 4" copper voice coil assembly
- 125 oz. ceramic magnet

APPLICATION NOTES

Designed as a P.A., concert or nightclub system bass drive unit, whose performance characteristic can be optimised by reflex loading.

The excellent definition and response speed at the lowest audio frequencies make this unit eminently suitable as the bass component in horn loaded systems.

Well suited to use with PD.107/PD.121 and PD.C2/PD.C14 to produce direct radiating/horn loaded install systems.

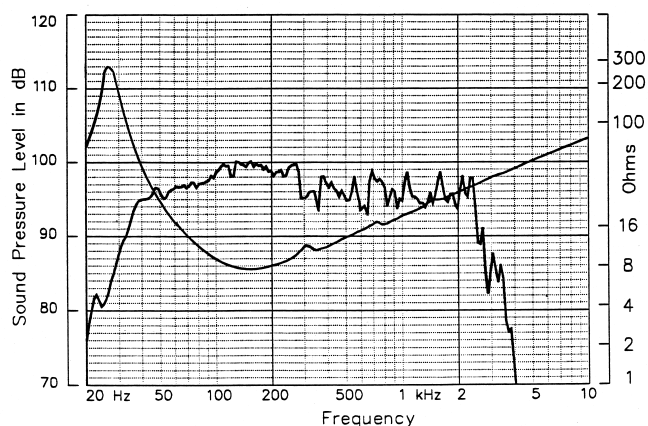
WORLD HEADQUARTERS

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FACTORY

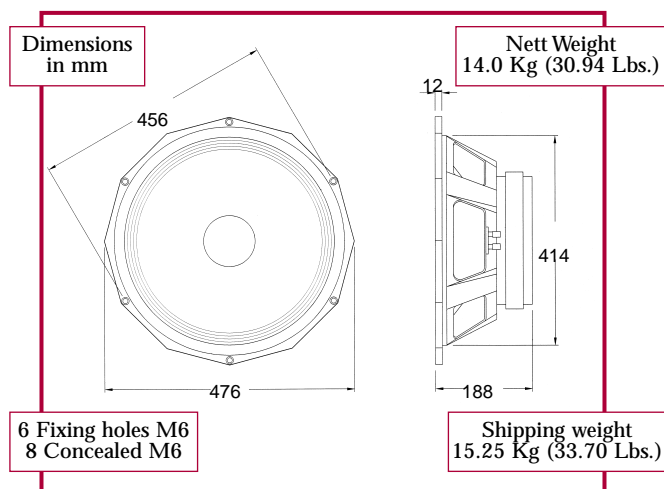
Precision Devices Jenson House Cardrew Industrial Estate Redruth Cornwall TR15 1SS England

RESPONSE & IMPEDANCE DETAIL



Response measured in a half space environment using a vented enclosure of 208 litres.

MECHANICAL DATA



TECHNICAL SPECIFICATION

Nominal Diameter	46cm (18")
Power rating ¹	600 Watts
Frequency range	Up to 2.5 kHz
Nominal Impedance	8 or 16 Ohms
Sensitivity ² (1 W 1 M)	97 dB
Resonance	28 Hz
Enc. Vol. Recommended	100 to 350 Litres
Displacement limit	19 mm (0.74")
Voice coil diameter	101 mm (4.04")
Voice coil	Copper
Voice coil winding depth	22 mm (0.88")
Suspension (Spider)	Fabric
Magnet gap depth	11 mm (0.44")
Magnet material/mass	Ceramic/3.5 Kg (125 oz.)
Magnetic assembly total mass	11.65 Kg (25.75 Lbs.)
Flux Density	9,700 Gauss
Cone type/material	Curvilinear Smooth Paper
Surround	Fabric
Dust dome	Paper
Connectors	Spring loaded push button metal bodied
Polarity	Positive Voltage on Red Terminal gives forward cone motion

Notes

1. AES Standard (35 to 350 Hz) Program 1200 Watts
2. AES Recommended Practice.

THIELE - SMALL PARAMETERS

F_s	27 Hz	P_{mx}	600 Watts
X_{max}	8 mm	Q_{es}	0.260
Re_{vc}	5.9 Ohms	C_{ms}	251 μM/N
V_d	9.2 10 ⁻⁴ m ³	V_{as}	473 Litres
Q_{ts}	0.253	M_{ms}	138 grams
N_o	3.45%	S_d	1150 sq cm
Q_{ms}	9.6	BL	23.04 T/m

Notes

3. Thiele - Small Parameters follow a 600 Watt preconditioning period.