

15W75-8PB

BASS/MID RANGE DRIVER



KEY FEATURES:

- 97dB 1W / 1m sensitivity
- 75.55mm (3.0in) copper voice coil
- 350W IEC power handling
- 35Hz-2.5kHz frequency response
- Heavy-duty cast aluminum chassis for increased rigidity
- Ventilated voice coil gap for reduced power compression
- Suitable for compact two way systems

GENERAL SPECIFICATIONS

Nominal Diameter	390mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	5.8Ω
IEC Power Rating ¹	350W
Long-term Maximum Power Handling ²	700W
Short-term Maximum Power Handling ³	1400W
Sensitivity (1W/1m) ⁴	97dB
Resonance Frequency	35Hz
Frequency Range	35Hz-2.5kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	19.2mm
Magnetic Gap Depth	10mm
Xmax ⁵	7.9mm
Flux Density	1.0T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	7.3kg

THIELE SMALL PARAMETERS

Fs	34Hz	Mms	124g
Re	5.6Ω	Mmd	109g
Qms	9.2	Cms	0.18mm/N
Qes	0.48	Vas	203litres
Qts	0.46	Ref. Efficiency	1.6%
Le	0.67mH	Sd	908cm ²
BL	17.6Tm	EBP	71Hz

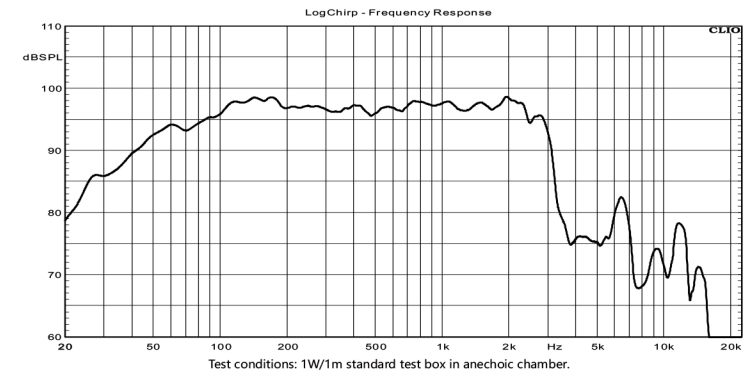
DIMENSIONS

Overall Diameter	390mm
Total Depth	168mm
Depth (Excl. Flange)	157mm
Magnet Diameter	190mm

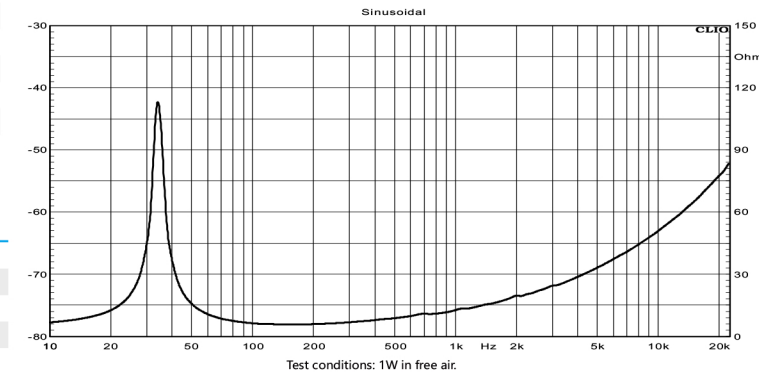
MOUNTING INFORMATION

Baffle Cutout Diameter	357mm
Bolt Circle Diameter	371mm
N. of Mounting Holes	8
Mounting Holes Diameter	ø8.0mm

FREQUENCY RESPONSE CURVE

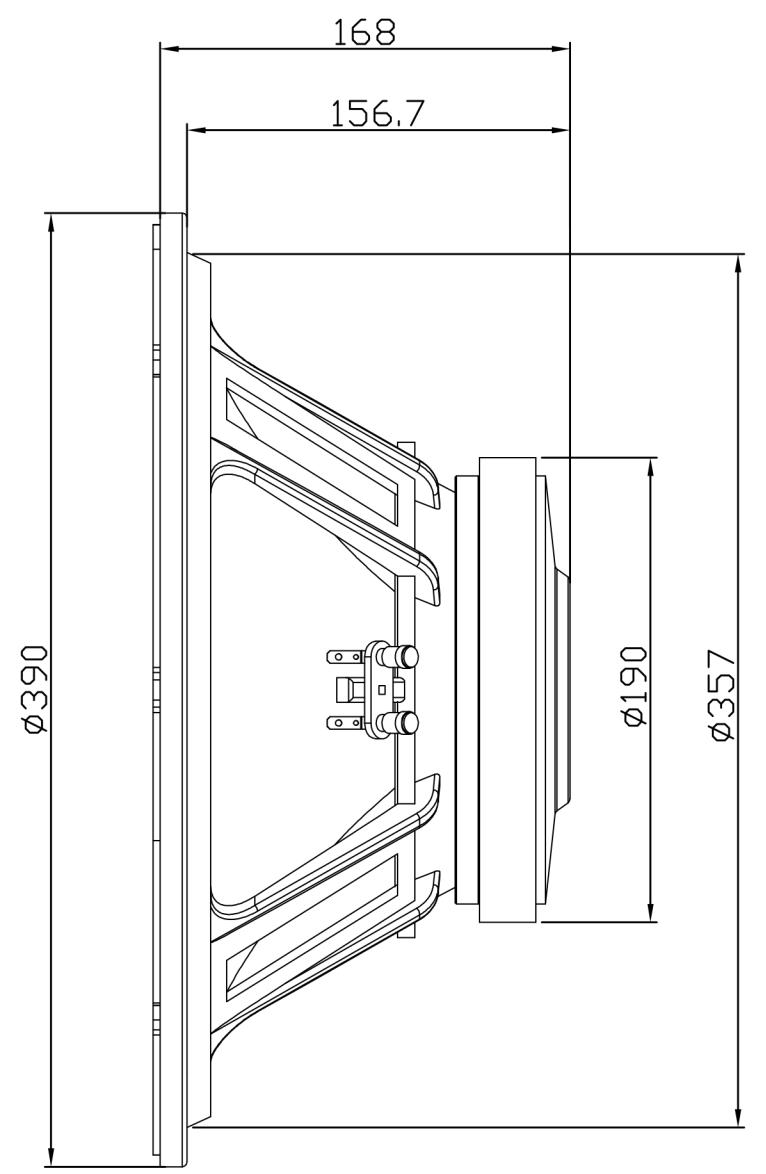
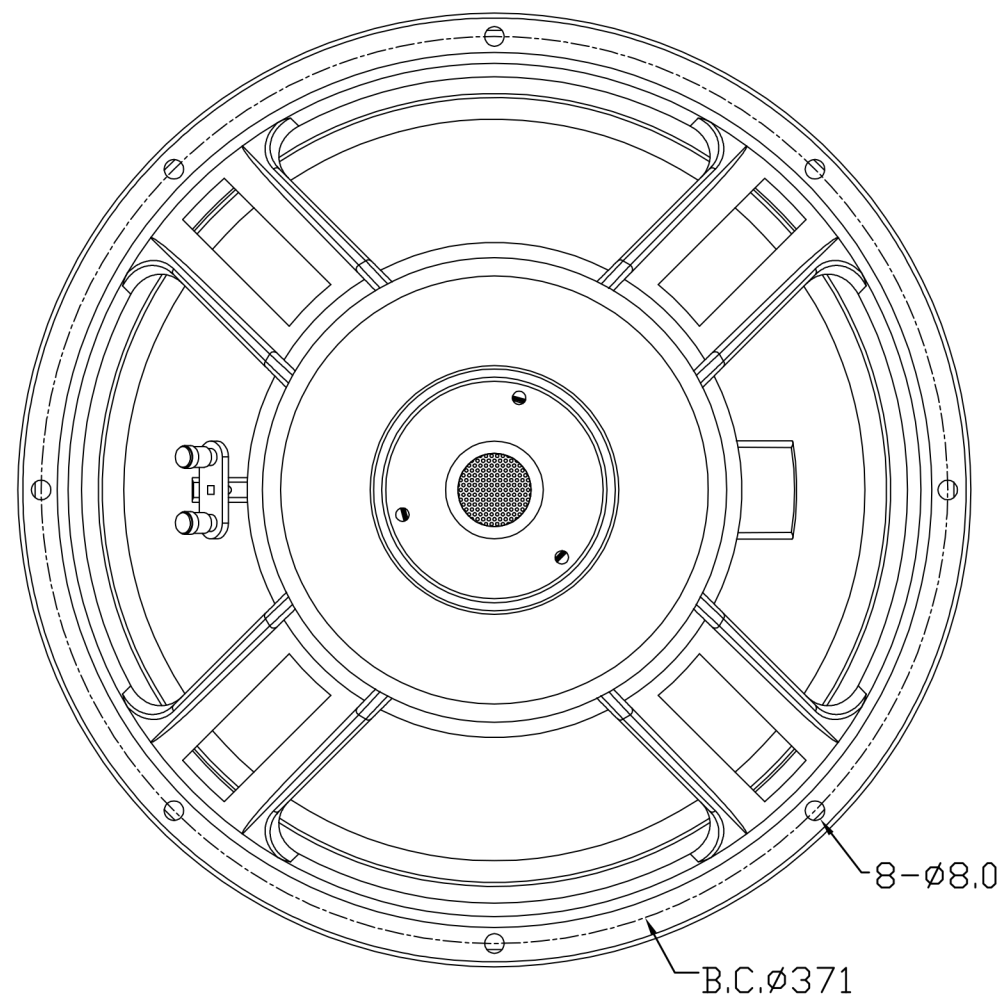


IMPEDANCE CURVE



NOTES:

1. 100 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance.
2. 2 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance.
3. 2 hours test according to IEC 60268-5 standard. Power calculated on rated minimum impedance.
4. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
5. Xmax = [(winding depth - magnetic gap depth)/2] + (magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Power test made with continuous pink noise signal within the frequency range.



Mod. 15W75-8PB		
Scale:1:3	Dimensions in mm	A4
