



Key features

- 108dB SPL 1W / 1m average sensitivity
- 25,4mm (1") edgewound aluminum winding voice coil
- 50W continuous program above 2,5 kHz
- Low weight, easy mounting and handling
- Usable in two way systems or multiway systems

• The HD120 has been designed for 2 way or 3 way systems. It will deliver an unmatched combination of extended linear frequency response and very high efficiency. With a throat exit of 1 inch, the HD120 is developed to match the new XT1085 and XT120 constant directivity horns.

• The 1 inch edge-wound aluminium voice coil using highest temperature adhesives and special magnet assembly design are the result of extensive research providing high force factor.

• The design of diaphragm and its surround allow best movement and stress control; the special radial ribs increase stiffness avoiding uncontrolled vibration modes in the usable frequency range.

• The phase plug is the result of meticulous design exercise. Its shape assures the correct acoustic impedance of the radiating dome reducing distortion levels across a very wide range of frequency.

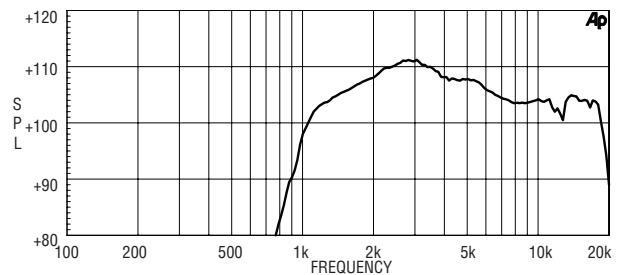
GENERAL SPECIFICATIONS

THROAT DIAMETER	25,4 mm	(1 in)
RATED IMPEDANCE	8 ohms	
D.C. RESISTANCE	5,7 ohms	
MINIMUM IMPEDANCE	6,6 ohms at 6500 Hz	
POWER HANDLING		
CONTINUOUS PINK NOISE	25 W above 2,5 kHz	(1)
CONTINUOUS PROGRAM	50 W above 2,5 kHz	(2)
SENSITIVITY (1W/1m)	108 dB	(3)
FREQUENCY RANGE	2 kHz - 18 kHz	
RECOMM. CROSS.FREQUENCY	3000 Hz 12dB/octave	
DIAPHRAGM	High quality plastic film	
VOICE COIL DIAMETER	25,4 mm	(1 in)
VOICE COIL WINDING MATERIAL	Edgewound aluminum	
MAGNET MATERIAL	Ceramic	
FLUX DENSITY	1,65 T	
BL FACTOR	3,5 N/A	
POLARITY	Positive voltage on red terminal gives positive pressure in the throat	

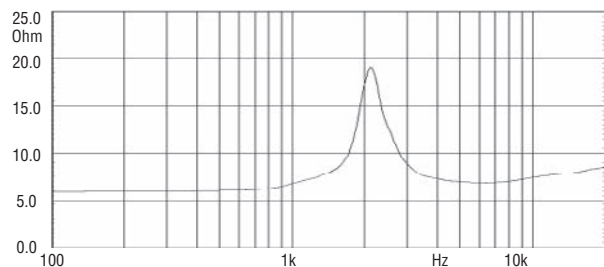
MOUNTING INFORMATION

Overall diameter	106 mm	(4,2 in)
N. of mounting holes	2 M5 at 180 degrees	
Bolt circle diameter	76 mm	(2.99 in)
Total depth	46 mm	(1,8 in)
Net weight	0,8 Kg	(1,77 lb)
Shipping weight	0,9 Kg	(1,99 lb)
CardBoard packing dimensions	140 x 140 x 75 mm (5.51 x 5.51 x 2.95 in)	

HD 120 MEASURED WITH 1W INPUT ON RATED IMPEDANCE AT 1 M DISTANCE ON AXIS FROM THE MOUTH OF HORN XT 120



IMPEDANCE CURVE OF HD 120



(1) Continuous pink noise power rating is tested with a pink noise input having a 6 dB crest factor for two hours duration, per AES standard

(2) Continuous program power is defined as 3 dB greater than continuous pink noise and is a conservative expression of the transducer ability to handle music program material

(3) Sensitivity is measured on 1 W input on rated impedance at 1 m on axis from the mouth of XT 120 HORN averaged in the 3 kHz octave band