



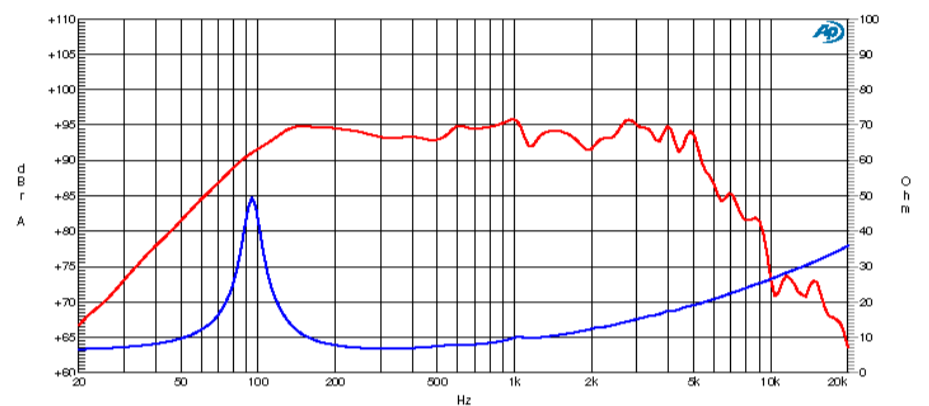
## 8" Ceramic Extended Range

Program Power	300 W
Rated impedance	8 Ohm
Nominal diameter	8" - 200 mm
Sensitivity (2,83V/1m)	94 dB
Voice coil diameter	2 in - 50 mm
Frequency Range	60-5000 Hz

### SPECIFICATIONS

Nominal Diameter	8" - 200 mm
Rated Impedance	8 Ohm
Nominal Power Handling <sup>1</sup>	150 W
Program Power <sup>2</sup>	300 W
Sensitivity <sup>3</sup>	94 dB
Frequency Range <sup>4</sup>	60-5000 Hz
Minimum Impedance	-
Basket Material	Steel
Magnet Material	Ferrite
Cone Material	-
Cone Shape	-
Surround	Nomex Fabric
Suspension	-
Voice Coil Diameter	2 in - 50 mm
Voice Coil Winding Material	Aluminum
Voice Coil Length	12,7 mm - 0,5 in
Voice Coil Former Material	Aluminum
Connection type	-
Ferrofluid	No
Magnetic Gap Height	8 mm - 0,31 in
Max. Peak to Peak Excursion	-
Efficiency Bandwidth Product EBP	142
Recommended Loading	Sealed box
Volume / Tuning frequency	15 Lt (dm <sup>3</sup> )- 0,53 cuft
Maximum recommended frequency	-

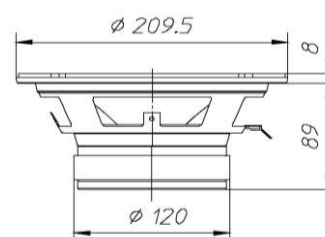
### FREQUENCY RESPONSE AND IMPEDANCE CURVE <sup>6 7</sup>



### T/S PARAMETERS

8 Ohm

Resonance frequency	Fs	91 Hz
DC Resistance	Re	5,6 Ohm
Mechanical Q Factor	Qms	3,28
Electrical Q Factor	Qes	0,64
Total Q Factor	Qts	0,54
BI Factor	Bl	10,09 Tm
Effective Moving Mass	Mms	20,2 g
Equivalent Gas air loaded	Vas	10 lt (dm <sup>3</sup> ) - 0,35 cuft
Suspension Compliance	Cms	0,15 mm/N
Effective Piston Diameter	D	165 mm - 6,5 in
Effective piston area	Sd	214 cm <sup>2</sup> - 33,17 sq in
Max. Linear Excursion <sup>5</sup>	Xmax	4,4 mm - 0,17 in
Voice Coil Inductance @ 1kHz	Le	0,58 mH
Half-space Efficiency	η0	1,1 %



### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	209,5 mm - 8,25 in
Baffle Cutout Diameter	180 mm - 7,09 in
Flange and Gasket Thickness	8 mm - 0,31 in
Total Depth	97 mm - 3,82 in
Bolt Circle Diameter	198,5 mm - 7,81 in
Bolt Holes Quantity and Diameter	4 / 5 mm - 0,2 in
Net Weight	2,6 Kg - 5,73 lb
Shipping Units	4 Pcs

### NOTES

<sup>1</sup> Nominal power is determined according to AES2-1984 (r2003) standard.

<sup>2</sup> Program Power is defined as 3 dB greater than the Nominal rating.

<sup>3</sup> Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m, when connected to 2,83V sine wave test signal.

<sup>4</sup> Frequency range is given as the band of frequencies delineated by the lower and upper limits where the output level drops by 10 dB below the rated sensitivity in half space environment.

<sup>5</sup> Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.

<sup>6</sup> Frequency response curve is measured on infinite baffle conditions.

<sup>7</sup> Impedance curve is measured in free air conditions at small signals.