



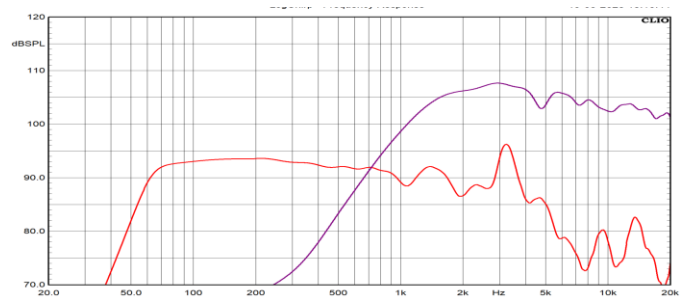
## 6,5" Coaxial

<b>Program Power</b>	<b>450W LF - 250W HF</b>
<b>Rated impedance</b>	<b>4 Ohm LF - 8 Ohm HF</b>
<b>Nominal diameter</b>	<b>6,5"- 165 mm</b>
<b>Sensitivity (2,83V/1m)</b>	<b>94 dB LF - 105 dB HF</b>
<b>Voice coil diameter</b>	<b>2"-50 mm LF - 1,75"-44 mm HF</b>
<b>Frequency Range</b>	<b>70-20000 Hz</b>

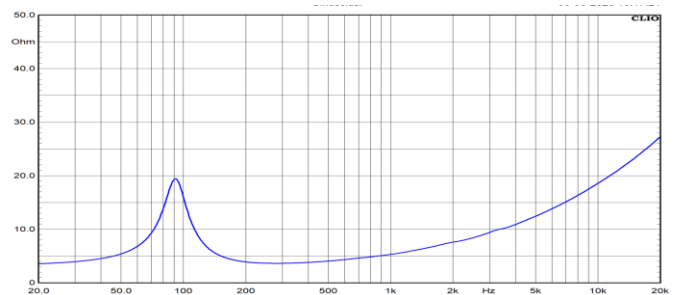
### SPECIFICATIONS

Nominal Diameter	6,5"- 165 mm
Rated Impedance	4 Ohm LF - 8 Ohm HF
Nominal Power Handling <sup>1</sup>	220W LF - 150W HF
Program Power <sup>2</sup>	450W LF - 250W HF
Sensitivity <sup>3</sup>	94 dB LF - 105 dB HF
Frequency Range <sup>4</sup>	70-20000 Hz
Minimum Impedance	-
Basket Material	Aluminum
Magnet Material	Ferrite LF - Neo HF
Cone Material	Doped cellulose fiber lf - Mylar HF
Cone Shape	Exponential LF - Planar HF
Surround	Nomex Fabric
Suspension	Nomex Fabric
Voice Coil Diameter	2"-50 mm LF - 1,75"-44 mm HF
Voice Coil Winding Material	Copper LF - Aluminum HF
Voice Coil Length	12,5 mm - 0,49 in LF
Voice Coil Former Material	Glass fiber LF
Connection type	-
Ferrofluid	No
Magnetic Gap Height	8 mm - 0,31 in
Max. Peak to Peak Excursion	-
Efficiency Bandwidth Product EBP	160
Recommended Loading	Vented Box
Volume / Tuning frequency	8 Lt (dm <sup>3</sup> ) - 0,28 cuft / 70 Hz
Maximum recommended frequency	-

### FREQUENCY RESPONSE CURVE <sup>6</sup>



### FREE AIR IMPEDANCE CURVE <sup>7</sup>



### T/S PARAMETERS

4 Ohm LF - 8 Ohm HF

Resonance frequency	Fs	91 Hz LF - 1,4 kHz HF
DC Resistance	Re	2,8 Ohm LF - 4,5 Ohm HF
Mechanical Q Factor	Qms	5,03
Electrical Q Factor	Qes	0,57
Total Q Factor	Qts	0,51
Bl Factor	Bl	6,8 Tm
Effective Moving Mass	Mms	15 g
Equivalent Cas air loaded	Vas	7,8 lt (dm <sup>3</sup> ) - 0,28 cuft
Suspension Compliance	Cms	-
Effective Piston Diameter	D	124 mm - 4,88 in
Effective piston area	Sd	120 cm <sup>2</sup> - 18,6 sq.in
Max. Linear Excursion <sup>5</sup>	Xmax	4,5 mm - 0,18 in
Voice Coil Inductance @ 1kHz	Le	0,42 mH
Half-space Efficiency	η0	0,53 %

### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	165 mm - 6,5 in
Baffle Cutout Diameter	145 mm - 5,71 in
Flange and Gasket Thickness	2,5 mm - 0,1 in
Total Depth	108 mm - 4,25 in
Bolt Circle Diameter	154,5 mm - 6,08 in
Bolt Holes Quantity and Diameter	4 / 5 mm - 0,2 in
Net Weight	2,9 Kg - 6,39 lb
Shipping Units	6 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 In the range above 150 Hz is measured on infinite baffle conditions and simulated as per recommended loading in the range below 150 Hz.
- <sup>7</sup> Impedance curve is measured in free air conditions at small signals.