



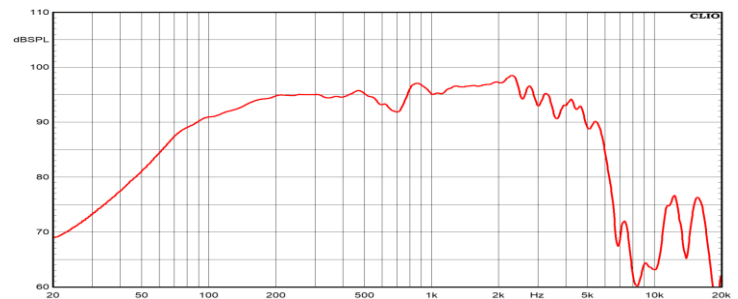
## 10" Ceramic Woofer

<b>Program Power</b>	<b>500 W</b>
<b>Rated impedance</b>	<b>8 Ohm</b>
<b>Nominal diameter</b>	<b>10" - 250 mm</b>
<b>Sensitivity (2,83V/1m)</b>	<b>96,5 dB</b>
<b>Voice coil diameter</b>	<b>2 in - 50 mm</b>
<b>Frequency Range</b>	<b>50-2000 Hz</b>

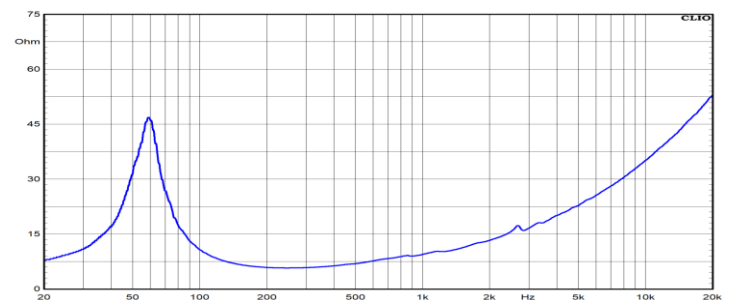
### SPECIFICATIONS

Nominal Diameter	10" - 250 mm
Rated Impedance	8 Ohm
AES Power	250 W
Program Power <sup>2</sup>	500 W
Sensitivity <sup>3</sup>	96,5 dB
Frequency Range <sup>4</sup>	50-2000 Hz
Minimum Impedance	5,9 Ohm
Basket Material	Steel
Magnet Material	Ferrite
Cone Material	Treated Paper - Water repellent
Cone Shape	Curvilinear
Surround	M-Roll - Polycotton
Suspension	-
Voice Coil Diameter	2 in - 50 mm
Voice Coil Winding Material	Aluminum
Voice Coil Length	15 mm - 0,59 in
Voice Coil Former Material	Glass Fiber
Connection type	Fast-On
Ferrofluid	No
Magnetic Gap Height	7 mm - 0,28 in
Max. Peak to Peak Excursion	24 mm - 0,94 in
Efficiency Bandwidth Product EBP	127
Recommended Enclosure Volume	20÷50 lt (dm <sup>3</sup> ) - 0,71÷1,77 cu.ft

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



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



### T/S PARAMETERS

8 Ohm

Resonance frequency	Fs	57 Hz
DC Resistance	Re	5,0 Ohm
Mechanical Q Factor	Qms	3,74
Electrical Q Factor	Qes	0,45
Total Q Factor	Qts	0,4
BI Factor	BI	11,4 Tm
Effective Moving Mass	Mms	32 g - 0,07 lb
Equivalent Cas air loaded	Vas	39,9 lt (dm <sup>3</sup> ) - 1,41 cuft
Effective piston area	Sd	346,4 cm <sup>2</sup> - 53,7 sq.in
Max. Linear Excursion <sup>5</sup>	Xmax	5,8 mm - 0,23 in
	Xvar	5,5 mm - 0,22 in
Voice Coil Inductance @ 1kHz	Le	0,66 mH
Half-space Efficiency	η0	1,64 %

### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	257 mm - 10,12 in
Baffle Cutout Diameter	233 mm - 9,17 in
Flange and Gasket Thickness	7 mm - 0,28 in
Total Depth	109 mm - 4,29 in
Bolt Circle Diameter	245 mm - 9,65 in
Bolt Holes Quantity and Diameter	8 / 5,5 mm - 0,22 in
Net Weight	2,8 Kg - 6,17 lb
Shipping Weight	4,3 Kg - 9,48 lb

### 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 measured in 260 L reference closed box in free field (4π) with 2.83 Vrms

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