CSD124

12'' Ceramic Subwoofer

Program Power	**1000+1000 W**
Rated impedance	**2+2 Ohm**
Nominal diameter	**12''- 320 mm**
Sensitivity (2,83V/1m)	**93,4 dB**
Voice coil diameter	**4 in - 100 mm**
Frequency Range	**30-200 Hz**

SPECIFICATIONS

Nominal Diameter	12''- 320 mm
Rated Impedance	2+2 Ohm
Nominal Power Handling [1]	500+500 W
Program Power [2]	1000+1000 W
Sensitivity [3]	93,4 dB
Frequency Range [4]	30-200 Hz
Minimum Impedance	-
Basket Material	Aluminum
Magnet Material	Ferrite
Cone Material	Doped cellulose fiber
Cone Shape	-
Surround	Rubber
Suspension	Nomex Fabric
Voice Coil Diameter	4 in - 100 mm
Voice Coil Winding Material	-
Voice Coil Length	32 mm - 1,26 in
Voice Coil Former Material	Glass fiber
Connection type	Push Button
Ferrofluid	No
Magnetic Gap Height	13 mm - 0,51 in
Max. Peak to Peak Excursion	56 mm - 2,2 in
Efficiency Bandwidth Product EBP	106
Recommended Loading	Vented Box
Volume / Tuning frequency	-
Maximum recommended frequency	-

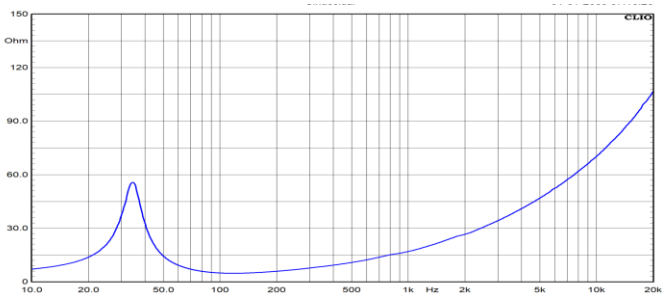
T/S PARAMETERS

2+2 Ohm

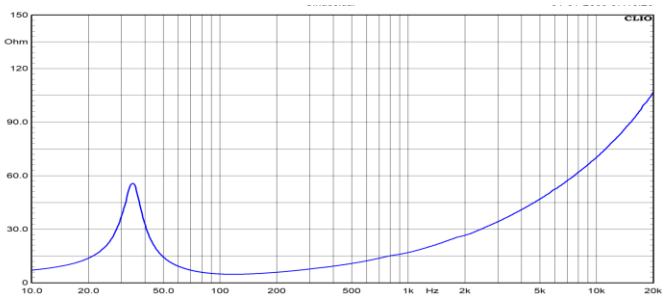
* Parameters measured with voice coils connected in series

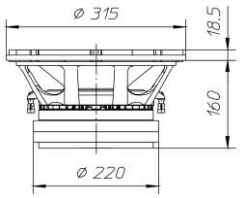
Resonance frequency	Fs	34 Hz
DC Resistance	Re	3,3 Ohm
Mechanical Q Factor	Qms	5,01
Electrical Q Factor	Qes	0,32
Total Q Factor	Qts	0,3
BI Factor	BI	18,21 Tm
Effective Moving Mass	Mms	146 g
Equivalent Cas air loaded	Vas	54 lt (dm³) - 1,91 cuft
Suspension Compliance	Cms	0,14 mm/N
Effective Piston Diameter	D	250 mm - 9,84 in
Effective piston area	Sd	491 cm² - 76,11 sq in
Max. Linear Excursion [5]	Xmax	13 mm - 0,51 in
Voice Coil Inductance @ 1kHz	Le	0,92 mH
Half-space Efficency	ŋ0	0,68 %

FREQUENCY RESPONSE CURVE [6]



FREE AIR IMPEDANCE CURVE [7]





MOUNTING AND SHIPPING INFORMATION

Overall Diameter	315 mm - 12,4 in
Baffle Cutout Diameter	282 mm - 11,1 in
Flange and Gasket Thickness	18,5 mm - 0,73 in
Total Depth	178,5 mm - 7,03 in
Bolt Circle Diameter	295 mm - 11,61 in
Bolt Holes Quantity and Diameter	8 / 7 mm - 0,28 in
Net Weight	14,1 Kg - 31,09 lb
Shipping Units	1 Pc

NOTES

[1] Nominal power is determined according to AES2-1984 (r2003) standard.
[2] Program Power is defined as 3 dB greater than the Nominal rating.
[3] 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.
[4] 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.
[5] Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth.
[6] Frequency response curve is measured in box.
[7] Impedance curve is measured in free air conditions at small signals.