



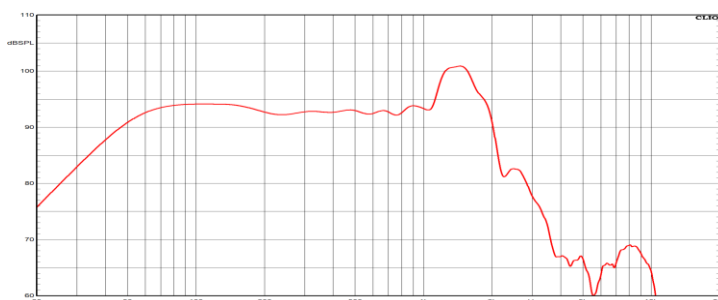
18" Ceramic Subwoofer

Program Power	1000+1000 W
Rated impedance	2+2 Ohm
Nominal diameter	18"- 450 mm
Sensitivity (2,83V/1m)	96 dB
Voice coil diameter	4 in - 100 mm
Frequency Range	20-200 Hz

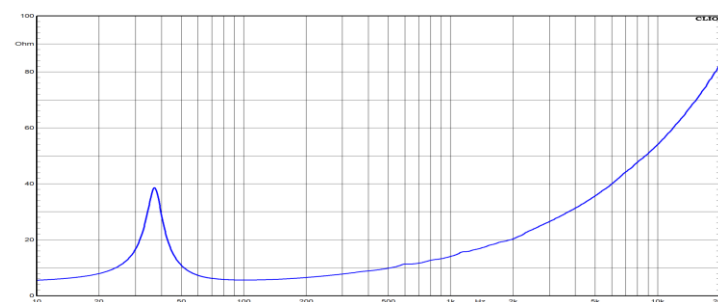
SPECIFICATIONS

Nominal Diameter	18"- 450 mm
Rated Impedance	2+2 Ohm
Nominal Power Handling ¹	500+500 W
Program Power ²	1000+1000 W
Sensitivity ³	96 dB
Frequency Range ⁴	20-200 Hz
Minimum Impedance	-
Basket Material	Aluminum
Magnet Material	Ferrite
Cone Material	Doped cellulose fiber
Cone Shape	-
Surround	Rubber - Half Roll
Suspension	Nomex Fabric
Voice Coil Diameter	4 in - 100 mm
Voice Coil Winding Material	Copper
Voice Coil Length	33 mm - 1,3 in
Voice Coil Former Material	Glass fiber
Connection type	4x Faston
Ferrofluid	No
Magnetic Gap Height	13 mm - 0,51 in
Max. Peak to Peak Excursion	56 mm - 2,2 in
Efficiency Bandwidth Product EBP	64
Recommended Loading	Vented Box
Volume / Tuning frequency	100÷ lt (dm ³) - 3,53÷0 cu.ft
Maximum recommended frequency	-

FREQUENCY RESPONSE CURVE ⁶



FREE AIR IMPEDANCE CURVE ⁷



T/S PARAMETERS

2+2 Ohm

^{*} Parameters measured with voice coils connected in series

Resonance frequency	Fs	37 Hz
DC Resistance	Re	3,5 Ohm
Mechanical Q Factor	Qms	5,89
Electrical Q Factor	Qes	0,58
Total Q Factor	Qts	0,53
Bl Factor	Bl	18,52 Tm
Effective Moving Mass	Mms	246 g
Equivalent Cas air loaded	Vas	141 lt (dm ³) - 4,98 cuft
Suspension Compliance	Cms	0,07 mm/N
Effective Piston Diameter	D	375 mm - 14,76 in
Effective piston area	Sd	1104 cm ² - 171,12 sq in
Max. Linear Excursion ⁵	Xmax	13 mm - 0,51 in
Voice Coil Inductance @ 1kHz	Le	0,69 mH
Half-space Efficiency	η0	1,18 %

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	460 mm - 18,11 in
Baffle Cutout Diameter	416 mm - 16,38 in
Flange and Gasket Thickness	26 mm - 1,02 in
Total Depth	221 mm - 8,7 in
Bolt Circle Diameter	440 mm - 17,32 in
Bolt Holes Quantity and Diameter	8 / 7 mm - 0,28 in
Net Weight	17 Kg - 37,44 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 in the range above 150 Hz is measured on infinite baffle conditions and simulated as per recommended loading in the range below 150 Hz.

⁷ Impedance curve is measured in free air conditions at small signals.