



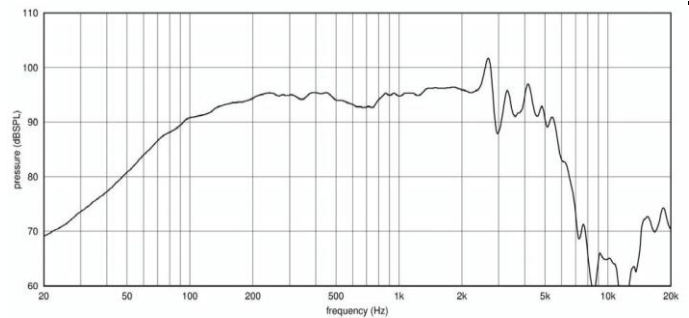
10" Ceramic Woofer

Program Power	500 W
Rated impedance	8 Ohm
Nominal diameter	10"- 250 mm
Sensitivity (2,83V/1m)	97 dB
Voice coil diameter	2 in - 50 mm
Frequency Range	50-2000 Hz

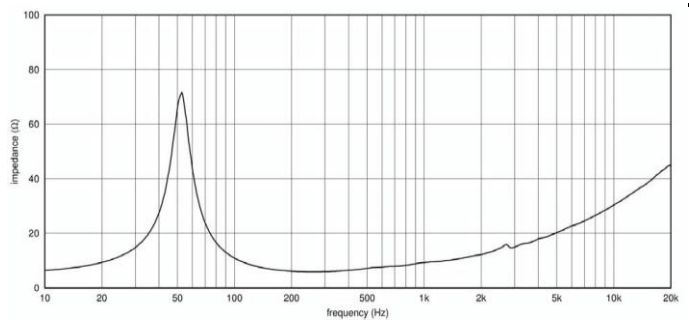
SPECIFICATIONS

Nominal Diameter	10"- 250 mm
Rated Impedance	8 Ohm
AES Power	250 W
Program Power ²	500 W
Sensitivity ³	97 dB
Frequency Range	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	-
Connection type	-
Ferrofluid	No
Magnetic Gap Height	7 mm - 0,28 in
Max. Peak to Peak Excursion	24 mm - 0,94 in
Recommended Enclosure Volume	20÷50 lt (dm ³) - 0,71÷1,77 cu.ft

FREQUENCY RESPONSE CURVE ⁷



FREE AIR IMPEDANCE CURVE ⁸



T/S PARAMETERS ⁴

8 Ohm

Resonance frequency	Fs	52 Hz
DC Resistance	Re	5,2 Ohm
Mechanical Q Factor	Qms	4,8
Electrical Q Factor	Qes	0,37
Total Q Factor	Qts	0,34
BI Factor	BI	11,7 Tm
Effective Moving Mass	Mms	30 g - 0,07 lb
Equivalent Cas air loaded	Vas	54 lt (dm ³) - 1,91 cuft
Effective piston area	Sd	346,4 cm ² - 53,7 sq.in
Max Linear Excursion	Xmax ⁵	5,8 mm - 0,23 in
	Xvar ⁶	5,5 mm - 0,22 in
Voice Coil Inductance @ 1kHz	Le	0,64 mH
Half-space Efficiency	η0	1,9 %
Efficiency Bandwidth Product	EBP	141

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

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 Thiele - Small parameters are measured after the test specimen has been conditioned by 2 hour 20 Hz sine and represent the expected long term parameters after a short period of use.

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

⁶ Xvar represents the displacement value where force factor or suspension compliance drops to 50% of their small signal value.

⁷ Frequency response measured in 260 L reference closed box in free field (4π) with 2.83 Vrms

⁸ Impedance curve is measured in free air conditions at small signals.