



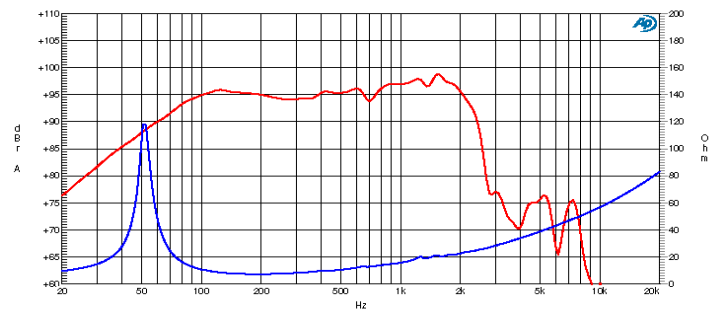
12" Ceramic Woofer

Program Power	800 W
Rated impedance	8 Ohm
Nominal diameter	12"- 320 mm
Sensitivity (2,83V/1m)	96 dB
Voice coil diameter	3 in - 75 mm
Frequency Range	45-2000 Hz

SPECIFICATIONS

Nominal Diameter	12"- 320 mm
Rated Impedance	8 Ohm
Nominal Power Handling ¹	400 W
Program Power ²	800 W
Sensitivity ³	96 dB
Frequency Range ⁴	45-2000 Hz
Minimum Impedance	-
Gasket Material	Aluminum
Magnet Material	Ferrite
Cone Material	-
Cone Shape	-
Surround	Nomex Fabric
Suspension	-
Voice Coil Diameter	3 in - 75 mm
Voice Coil Winding Material	-
Voice Coil Length	18 mm - 0,71 in
Voice Coil Former Material	Kapton
Connection type	-
Ferrofluid	No
Magnetic Gap Height	10 mm - 0,39 in
Max. Peak to Peak Excursion	-
Efficiency Bandwidth Product EBP	138
Recommended Loading	Vented Box
Volume / Tuning frequency	28 Lt (dm ³) - 0,989 cuft / 62 Hz
Maximum recommended frequency	-
Alternative Available Version	4 Ohm CW337

FREQUENCY RESPONSE AND IMPEDANCE CURVE ^{6 7}



T/S PARAMETERS

8 Ohm

Resonance frequency	Fs	47 Hz
DC Resistance	Re	5,8 Ohm
Mechanical Q Factor	Qms	7,2
Electrical Q Factor	Qes	0,34
Total Q Factor	Qts	0,32
BI Factor	BI	20,44 Tm
Effective Moving Mass	Mms	81,6 g
Equivalent Cas air loaded	Vas	55 lt (dm ³) - 1,94 cuft
Suspension Compliance	Cms	0,14 mm/N
Effective Piston Diameter	D	261 mm - 10,28 in
Effective piston area	Sd	535 cm ² - 82,93 sq in
Max. Linear Excursion ⁵	Xmax	7,5 mm - 0,26 in
Voice Coil Inductance @ 1kHz	Le	1,46 mH
Half-space Efficiency	η0	1,7 %

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	315 mm - 12,4 in
Baffle Cutout Diameter	282 mm - 11,1 in
Flange and Gasket Thickness	13 mm - 0,51 in
Total Depth	146 mm - 5,75 in
Bolt Circle Diameter	295 mm - 11,61 in
Bolt Holes Quantity and Diameter	8 / 7 mm - 0,28 in
Net Weight	8,2 Kg - 18,06 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 on infinite baffle conditions.

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