



18" Ceramic Woofer

Program Power	1800 W
Rated impedance	8 Ohm
Nominal diameter	18"- 450 mm
Sensitivity (2,83V/1m)	100 dB
Voice coil diameter	4 in - 100 mm
Frequency Range	35-1200 Hz

SPECIFICATIONS

Nominal Diameter	18"- 450 mm	
Rated Impedance	8 Ohm	
Nominal Power Handling ¹	900 W	
Program Power ²	1800 W	
Sensitivity ³	100 dB	
Frequency Range ⁴	35-1200 Hz	
Minimum Impedance	-	
Gasket Material	Aluminum	
Magnet Material	Ferrite	
Cone Material	Doped cellulose fiber	
Cone Shape	-	
Surround	Nomex Fabric	
Suspension	Nomex Fabric	
Voice Coil Diameter	4 in - 100 mm	
Voice Coil Winding Material	Sandwich aluminium	
Voice Coil Length	20 mm - 0,79 in	
Voice Coil Former Material	Kapton	
Connection type	Push Button	
Ferrofluid	No	
Magnetic Gap Height	10 mm - 0,39 in	
Max. Peak to Peak Excursion	-	
Efficiency Bandwidth Product EBP	150	
Recommended Loading	Vented Box	
Volume / Tuning frequency	110 Lt (dm ³) - 3,885 cuft / 60 Hz	
Maximum recommended frequency	-	
Alternative Available Version	4 Ohm	CW455

T/S PARAMETERS

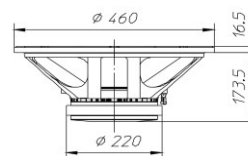
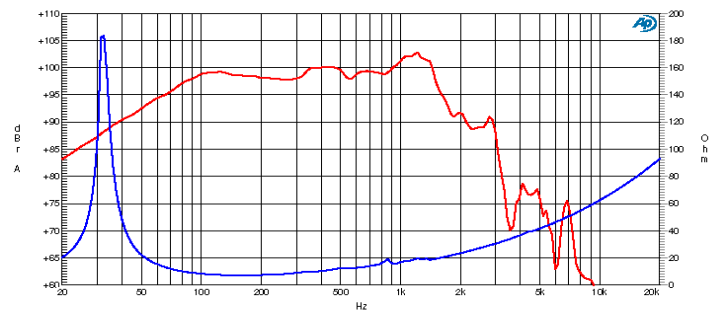
8 Ohm

Resonance frequency	Fs	36 Hz
DC Resistance	Re	5,47 Ohm
Mechanical Q Factor	Qms	26,06
Electrical Q Factor	Qes	0,24
Total Q Factor	Qts	0,24
BI Factor	BI	26,18 Tm
Effective Moving Mass	Mms	132,6 g
Equivalent Cas air loaded	Vas	274 lt (dm ³) - 9,68 cuft
Suspension Compliance	Cms	0,15 mm/N
Effective Piston Diameter	D	384 mm - 15,12 in
Effective piston area	Sd	1158 cm ² - 179,49 sq in
Max. Linear Excursion ⁵	Xmax	7,5 mm - 0,3 in
Voice Coil Inductance @ 1kHz	Le	1,7 mH
Half-space Efficiency	η0	5,22 %

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.

FREQUENCY RESPONSE AND IMPEDANCE CURVE ^{6 7}



MOUNTING AND SHIPPING INFORMATION

Overall Diameter	460 mm - 18,11 in
Baffle Cutout Diameter	416 mm - 16,38 in
Flange and Gasket Thickness	16,5 mm - 0,65 in
Total Depth	190 mm - 7,48 in
Bolt Circle Diameter	440 mm - 17,32 in
Bolt Holes Quantity and Diameter	8 / 7 mm - 0,28 in
Net Weight	12,9 Kg - 28,41 lb
Shipping Units	1 Pc