



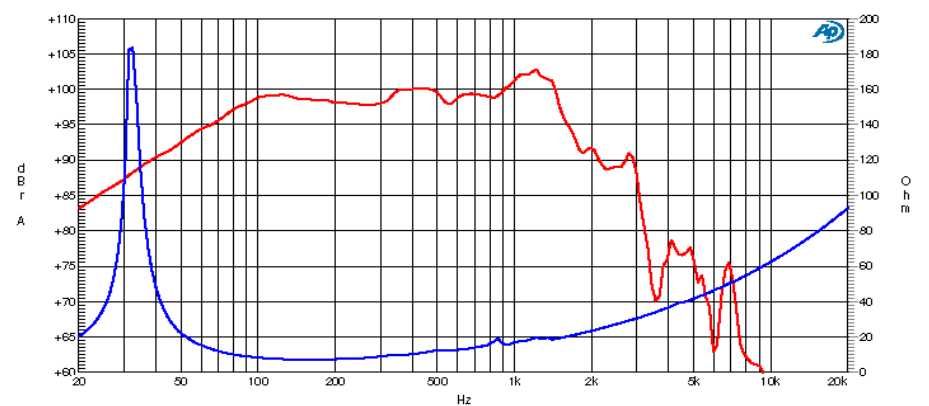
18" Ceramic Woofer

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

SPECIFICATIONS

Nominal Diameter	18" - 450 mm
Rated Impedance	4 Ohm
Nominal Power Handling ¹	900 W
Program Power ²	1800 W
Sensitivity ³	100 dB
Frequency Range ⁴	35-1200 Hz
Minimum Impedance	-
Basket 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	22 mm - 0,87 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	146
Recommended Loading	Vented Box
Volume / Tuning frequency	90 Lt (dm ³) - 3,178 cuft / 58 Hz
Maximum recommended frequency	-
Alternative Available Version	8 Ohm PW455

FREQUENCY RESPONSE AND IMPEDANCE CURVE ^{6 7}



T/S PARAMETERS

4 Ohm

Resonance frequency	Fs	35 Hz
DC Resistance	Re	3,16 Ohm
Mechanical Q Factor	Qms	19,88
Electrical Q Factor	Qes	0,24
Total Q Factor	Qts	0,24
BI Factor	Bl	21,8 Tm
Effective Moving Mass	Mms	163,6 g
Equivalent Gas air loaded	Vas	236 lt (dm ³) - 8,33 cuft
Suspension Compliance	Cms	0,13 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	8,5 mm - 0,33 in
Voice Coil Inductance @ 1kHz	Le	1,03 mH
Half-space Efficiency	η_0	4,1 %

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.

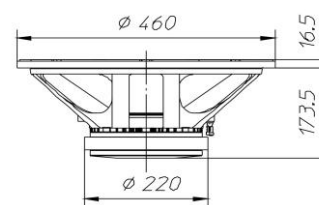
³ Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m, when connected to 2,83V sine wave test signal.

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.



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