



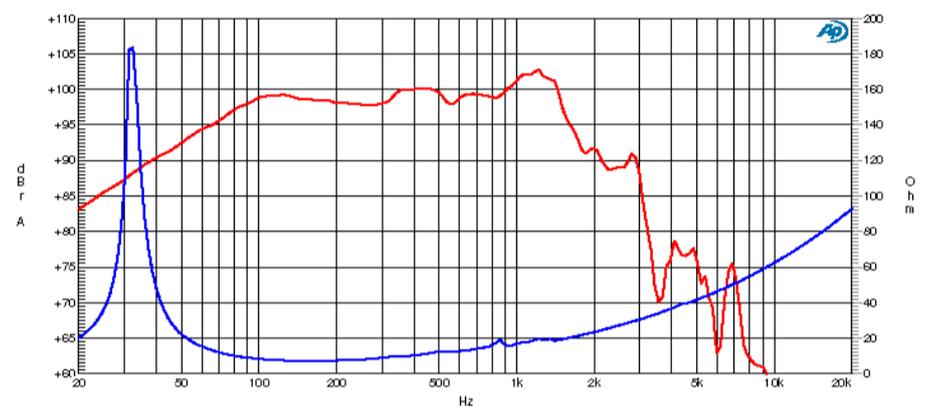
18" Ceramic Woofer

| | |
|------------------------|---------------|
| 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 | - | |
| 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 | 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 |

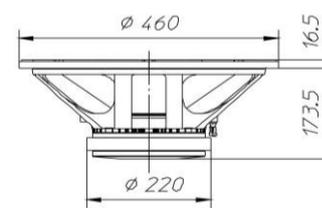
FREQUENCY RESPONSE AND IMPEDANCE CURVE ^{6 7}



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 | Bl | 26,18 Tm |
| Effective Moving Mass | Mms | 132,6 g |
| Equivalent Gas 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 % |



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 |

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.