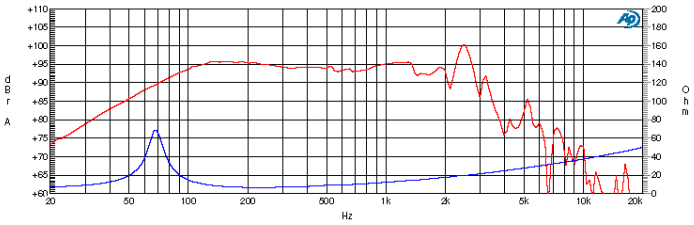
# PW257



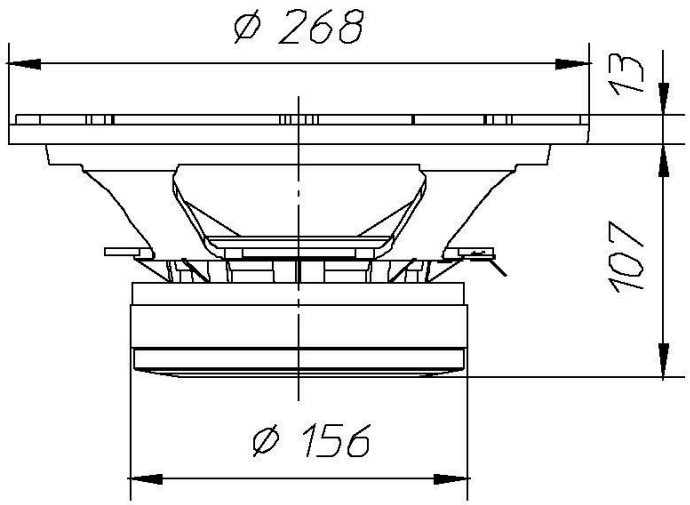
## 10" 8 Ohm Low Frequency Driver

| | |
|---|---|
| **Voice Coil Diameter** | 75 mm 3 in |
| **Continuous Power Handling** | 800 W |
| **Sensitivity** | 96 dB |

## DATASHEET DRAWINGS




## DRAWINGS



# PW257

## SPECIFICATIONS

| | |
|---|---|
| **Nominal Diameter** | 250 mm (10 in) |
| **Nominal Impedance** | 8 © |
| **Nominal Power Handling** | 400 W<br>Nominal power is determined according to AES2-1984 (r2003) standard. |
| **Continuous Power Handling** | 800 W<br>Program Power is defined as 3 dB greater than the Nominal rating. |
| **Sensitivity** | 96 dB<br>V2183<br>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. |
| **Frequency Range** | 50 Hz - 3000 Hz<br>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. |
| **Voice Coil Diameter** | 75 mm (3 in) |
| **Former Material** | Aluminum |
| **Winding Depth** | 16 mm (0.63 in) |
| **Magnetic Gap Depth** | 10 mm (0.39 in) |

## PARAMETERS

| | |
|---|---|
| **Fs** | 57 Hz |
| **Re** | 5.21 © |
| **Qes** | 0.33 |
| **Qms** | 3.2 |
| **Qts** | 0.3 |
| **Vas** | 31 dm³ (1.09 ft³) |
| **Sd** | 353 cm² (54.72 in²) |
| **·0** | 1.65 % |
| **Xmax** | 5.5 mm (0.22 in)<br>Linear Math. Xmax is calculated as (Hvc-Hg)/2 + Hg/4 where Hvc is the coil depth and Hg is the gapdepth. |
| **Mms** | 44.9 g |
| **Bl** | 15.86 Tm |
| **Le** | 0.94 mH |
| **Cms** | 0.17 mm/N |
| **d** | 212 mm (8.35 in) |
| **EBP** | 173 Hz |

## DESIGN

| | |
|---|---|
| **Surround Shape** | Nomex Fabric |
| **Recommended Enclosure** | 14 dm³ (0.494 ft³) |
| **Recommended Loading** | Vented Box |

## MOUNTING AND SHIPPING INFO

| | |
|---|---|
| **Overall Diameter** | 268 mm (10.55 in) |
| **Bolt Circle Diameter** | 253 mm (9.96 in) |
| **Baffle Cutout Diameter** | 235 mm (9.25 in) |
| **Depth** | 120 mm (4.72 in) |
| **Flange and Gasket Thickness** | 13 mm (0.51 in) |
| **Net Weight** | 5 kg (11.01 lb) |
| **Shipping Units** | 2 pcs |
| **Basket Material** | Aluminum |
| **Bolt Quantity** | 8 pcs |
| **Bolt Diameter** | 5 mm (0.2 in) |