



## KAPPA PRO 12

|                         |                                  |
|-------------------------|----------------------------------|
| Nominal Basket Diameter | 12", 304.8mm                     |
| Impedance               | 8 ohms                           |
| Power Rating            | 500Wrms                          |
| Resonance               | 37Hz                             |
| Usable Frequency Range  | 35Hz - 2.5kHz                    |
| Sensitivity             | <a href="#">see guide on web</a> |
| Magnet Weight           | 80oz.                            |
| Gap Height              | 0.375", 9.52mm                   |
| Voice Coil Diameter     | 3.0", 76.2mm                     |

### Mounting Information

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Recommended Enclosure Volume (vented) | 17 - 23 liters<br>0.6 - 0.8 cu. ft. |
| Overall Diameter                      | 12.38", 314.3mm                     |
| Baffle Hole Diameter                  | 11.06", 281mm                       |
| Front Sealing Gasket                  | <i>fitted as standard</i>           |
| Rear Sealing Gasket                   | <i>fitted as standard</i>           |
| Mounting Holes Diameter               | 0.275", 7mm                         |
| Mounting Holes B.C.D.                 | 11.57", 293.8mm                     |
| Depth                                 | 6.22", 158mm                        |
| Shipping Weight                       | 18.8lbs., 8.6 kg.                   |

### Thiele-Small Parameters

|   |                            |
|---|----------------------------|
| Resonant Frequency (fs)                               | 37Hz                       |
| Impedance (Re)  | 5.46 ohms                  |
| Coil Inductance (Le)                                  | 1.22mH                     |
| Electromagnetic Q (Qes)                               | 0.25                       |
| Mechanical Q (Qms)                                    | 6.93                       |
| Total Q (Qts)   | 0.24                       |
| Compliance Equivalent Volume (Vas)                    | 121 liters<br>4.27 cu. ft. |
| Peak Diaphragm Displacement Volume (Vd)               | 247cc                      |
| Mechanical Compliance of Suspension (Cms)             | 0.32mm/N                   |
| BL Product (BL)                                       | 17.3 T-M                   |
| Diaphragm Mass inc. Airload (Mms)                     | 59 grams                   |
| Equiv. Resistance of Mechanical Suspension Loss (Rms) | 1.97N*sec/M                |
| Efficiency Bandwidth Product (EBP)                    | 148                        |
| Voice Coil Overhang (Xmax)                            | 4.8mm                      |
| Surface Area of Cone (Sd)                             | 519.5cm <sup>2</sup>       |
| Impedance at Resonance (Zmax)                         | 158 ohms                   |
| Maximum Linear Excursion (Xmech)                      | 29.59mm                    |



### Application Notes

Performance optimized for sound reinforcement systems. Also suitable for bass guitar, keyboards, club music systems, and stage monitors.

### Materials of Construction

- Kapton coil former for increased rigidity and thermal protection
- Polyamide-imide coated two-layer, 27ga., copper voice coil for improved power-handling and durability
- Ferrite Magnet
- Vented and extended core for increased power-handling
- Die-cast aluminum basket for rigidity
- Paper cone
- Cloth cone edge
- Solid composition paper dust cap

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