

Woofer 15 W-75

Advantages

The Dynaudio 15 W-75 is designed with a low reflecting aluminium cast basket.

The all aluminium voice coil has a huge diameter of not less than 75 mm securing a very controlled sound reproduction.

In spite of its small size the 15 W-75 nonetheless is capable of very high power handling and can give an impressive bass reproduction.

Even the standard version is equipped with an XL magnet system.



Applications

Designed for 5 to 10 liter sealed or bass reflex cabinets.

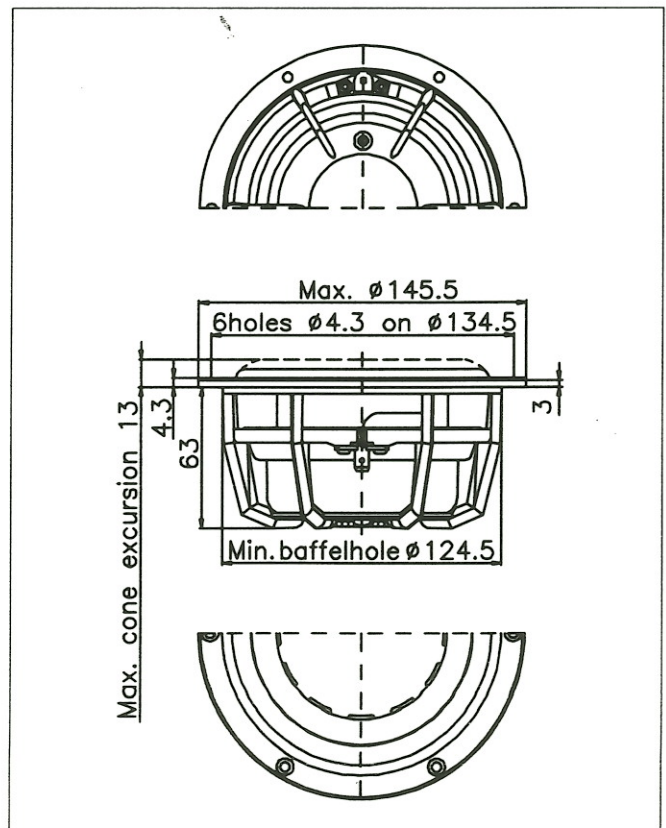
Woofer in small 2 way systems, E.G. satellites, or midrange in bigger constructions.

Can be used with 6 dB or higher order crossover.

Typical Data

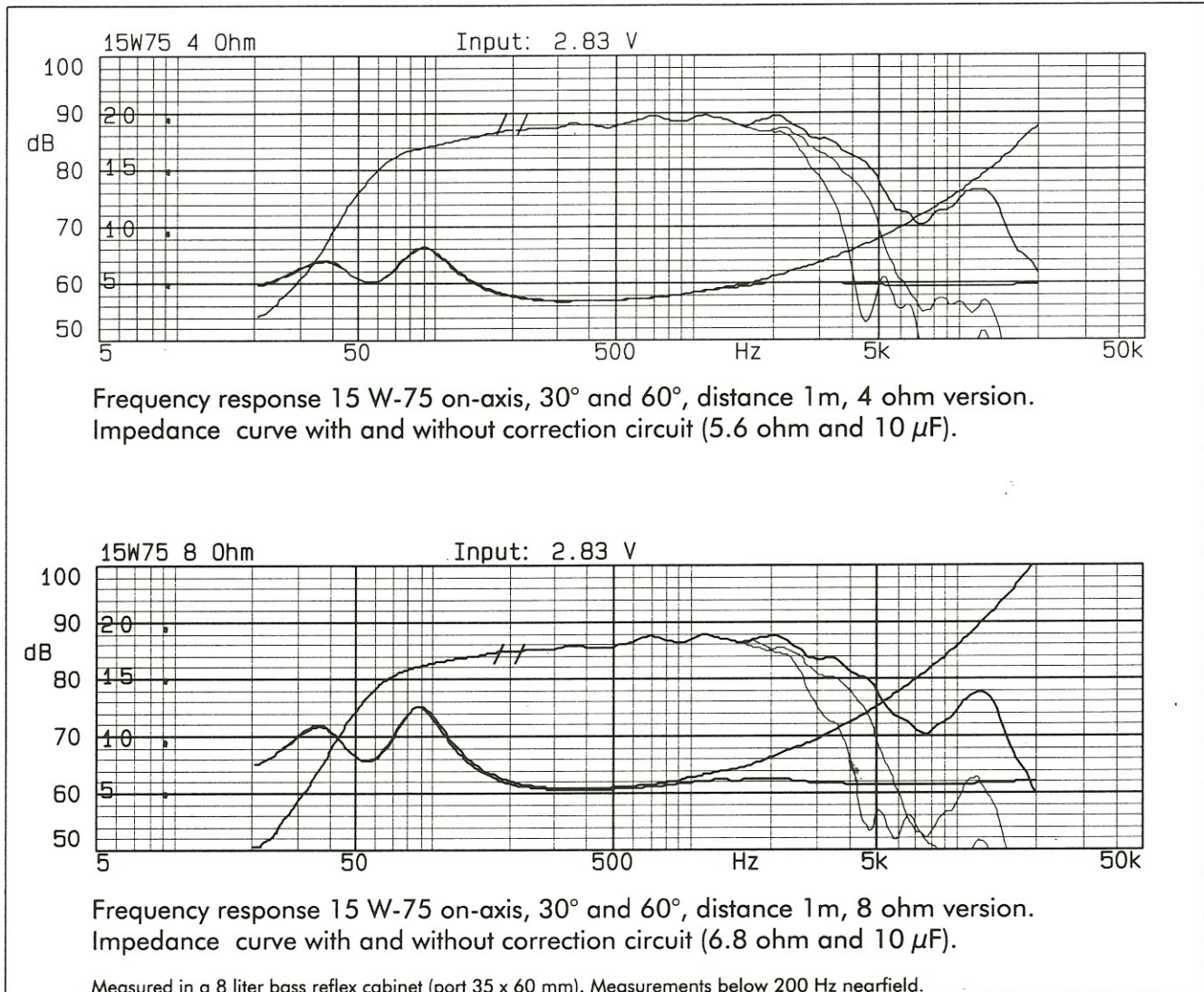
| | | |
|-----|-----------|-----------|
| | 4 Ohm | 8 Ohm |
| Fs | 55 Hz | 55 Hz |
| Qt | 0.4 | 0.4 |
| Vas | 7.5 liter | 7.5 liter |

If not indicated otherwise we deliver 4 Ohm version.



Woofers 15 W-75

Measurements



Specifications

| Thiele-Small Parameter ¹ | | 4 ohm | 8 ohm | Voice Coil | | 4 ohm | 8 ohm |
|-------------------------------------|------------------|--------------------|--------------------|-------------------|-----------------|-----------------|-----------|
| Q, mechanical | Q _m | 1.7 | 1.6 | Diameter | d | 75 mm | 75 mm |
| Q, electrical | Q _e | 0.6 | 0.6 | Length | h | 11.5 mm | 10.5 mm |
| Q, total | Q _t | 0.4 | 0.4 | Layers | n | 2 | 2 |
| Resonance frequency | F _s | 55 Hz | 55 Hz | Inductance 10 kHz | Le | 0.15 mH | 0.19 mH |
| Maximum impedance | Z _{max} | 12 ohm | 19 ohm | Nom. impedance | Z _{vc} | 4 ohm | 8 ohm |
| Moving mass | M _{ms} | 12 g | 12 g | DC resistance | Re | 3.0 ohm | 4.9 ohm |
| Force factor | BL | 4.7 Tm | 6.0 Tm | Sensitivity | 2.83 V | see curve | see curve |
| Equiv. volume | V _{as} | 7.5 liter | 7.5 liter | Power Handling: | | | |
| Effective cone area | S _d | 87 cm ² | 87 cm ² | Nominal long term | IEC> | 130 watts | 130 watts |
| Lin. excursion (p-p) | X _{max} | 6.5 mm | 5.5 mm | Transient | 10ms> | 1000 W | 1000 W |
| Max. excursion (p-p) | | 15 mm | 15 mm | Net weight | | 1.1 kgs | 1.1 kgs |
| | | | | Overall dimension | | Ø 145.5 x 70 mm | |

¹Thiele-Small Parameter measured with correction circuit.

All specifications subject to change without notice.