

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

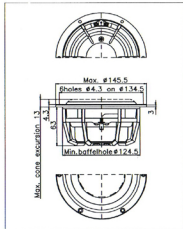
Designed for 5 to 10 liter sealed or bass reflex cabinets.

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

Can be used with 6 dB or higher order crossover.

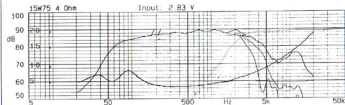
Typical Data

	4 Ohm	8 Ohm
Fs	55 Hz	55 Hz
Q _t	0.4	0.4
Vas	7.5 liter	7.5 liter

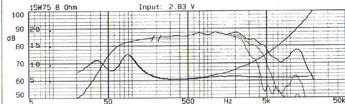


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Measurements



Frequency response 15 W-75 on-axis, 30° and 60°, distance 1 m, 4 ohm version. Impedance curve with and without correction circuit (5.6 ohm and 10 µF).



Frequency response 15 W-75 on-axis, 30° and 60°, distance 1 m, 8 ohm version. Impedance curve with and without correction circuit (6.8 ohm and 10 µF).

Measured in a 8 liter bass reflex cabinet (port 35 x 50 mm). Measurements below 200 Hz nearfield.

Specifications

Thiele-Small Parameter ¹		4 ohm	8 ohm	Voice Coil		4 ohm	8 ohm
Q _m , mechanical	Q _m	1.7	1.6	Diameter	d	75 mm	75 mm
Q _e , electrical	Q _e	0.6	0.6	Length	h	11.5 mm	10.5 mm
Q _t , total	Q _t	0.4	0.4	Layers	n	2	2
Resonance frequency	Fs	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	Vas	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.