

Woofer 17 W-75

Advantages

The Dynaudio 17 W-75 woofer is equipped with a large 75 mm voice coil which ensures ability to handle high dynamics and very high power.

Voice coil wire and former both are made of aluminium to reduce the weight of the swinging system which allows very good transient response.

The Dynaudio hexact coil winding technique creates a more rigid and more compact voice coil. This again gives ultimate stability under all circumstances.

The one-piece moulded PP cone has no "dust cap" which procures a very good controlled roll off, allowing 6dB crossover with very fine results. The center-magnet system is largely vented which gives a smooth frequency response with a homogeneous output.

Applications

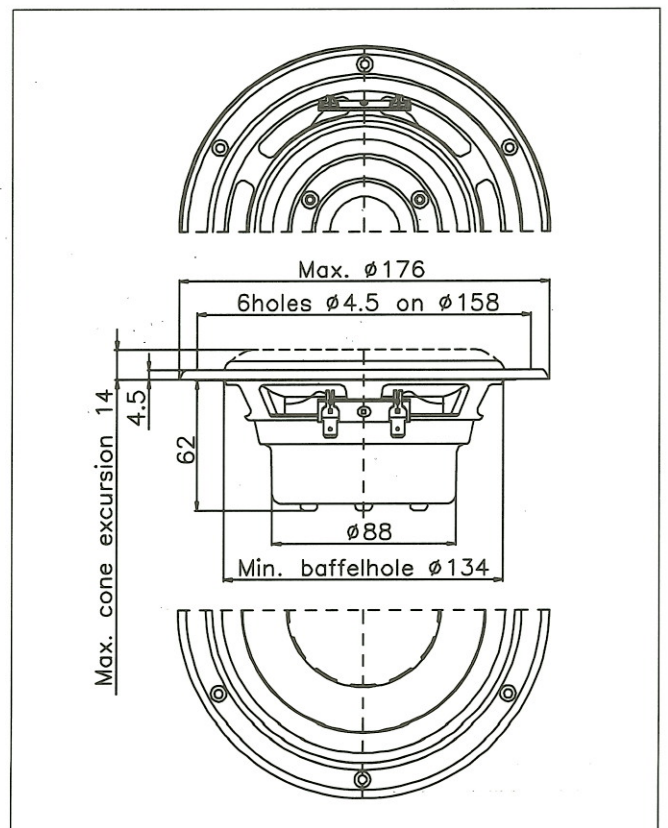
The high power handling unit works best in closed cabinets of 10 to 15 liter volume.

Woofer in 2 way systems or mid woofer in bigger systems. Can be used with 6dB or higher order crossover.

Typical Data

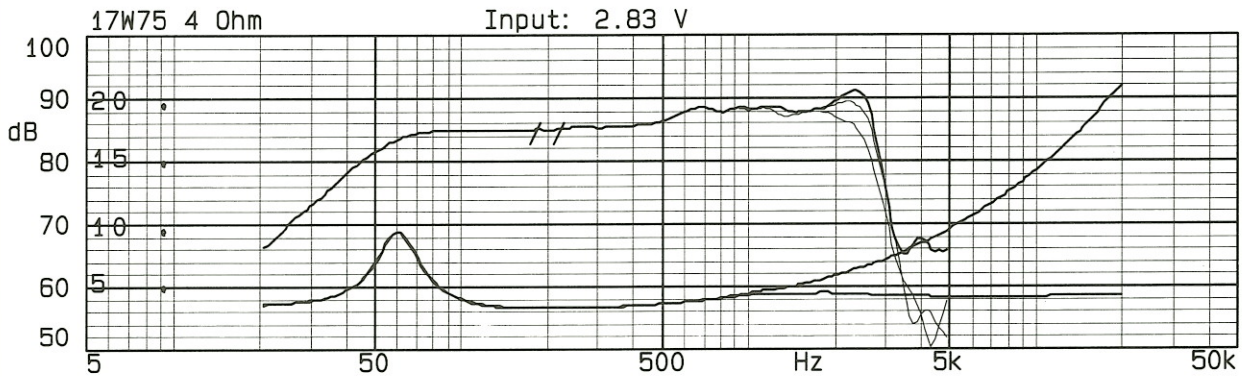
	4 Ohm	8 Ohm
FS	40 Hz	40 Hz
Qt	0.7	0.8
VAS	22 liter	22 liter

If not indicated otherwise we deliver 8 Ohm version.

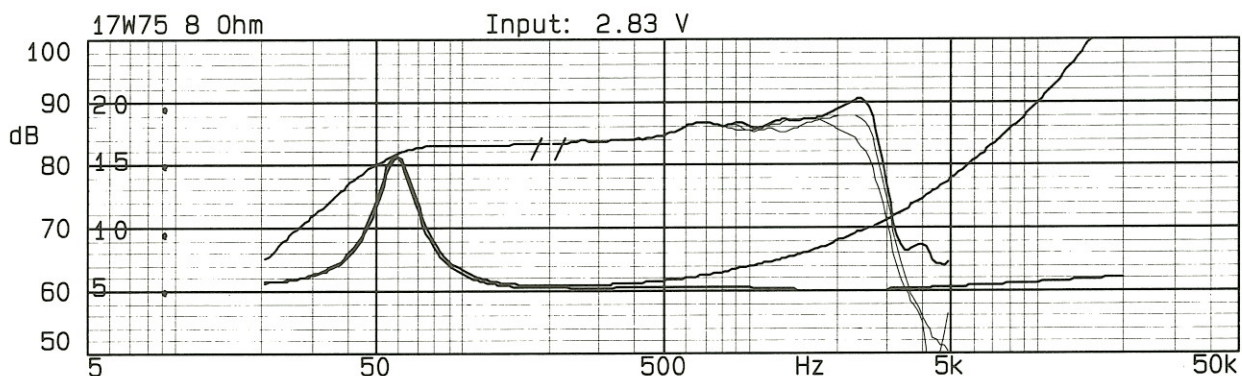


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Measurements



Frequency response 17 W-75 on-axis, 30° and 60°, distance 1m, 4 ohm version.
Impedance curve with and without correction circuit (4.7 ohm and 15 μ F).



Frequency response 17 W-75 on-axis, 30° and 60°, distance 1m, 8 ohm version.
Impedance curve with and without correction circuit (6.8 ohm and 20 μ F).

Measured in a 15 liter closed cabinet. Measurements below 200 Hz nearfield.

Specifications

Thiele-Small Parameter ¹		4 ohm	8 ohm	Voice Coil		4 ohm	8 ohm
Q, mechanical	Q _m	3	2.8	Diameter	d	75 mm	75 mm
Q, electrical	Q _e	0.9	1.1	Length	h	11 mm	11 mm
Q, total	Q _t	0.7	0.8	Layers	n	2	2
Resonance frequency	F _s	40 Hz	40 Hz	Inductance 10 kHz	Le	0.17 mH	0.23 mH
Maximum impedance	Z _{max}	13 ohm	19 ohm	Nom. impedance	Z _{vc}	4 ohm	8 ohm
Moving mass	M _{ms}	15 g	15 g	DC resistance	Re	3.0 ohm	5.1 ohm
Force factor	BL	3.5 Tm	4.3 Tm	Sensitivity	2.83 V	see curve	see curve
Equiv. volume	V _{as}	22 liter	22 liter	Power Handling:			
Effective cone area	S _d	120 cm ²	120 cm ²	Nominal long term	IEC>	130 watts	130 watts
Lin. excursion (p-p)	X _{max}	6 mm	6 mm	Transient	10ms>	1000 W	1000 W
Max. excursion (p-p)		19 mm	19 mm	Net weight		0.9 kgs	0.9 kgs
				Overall dimension		Ø 176 x 70 mm	

¹Thiele-Small Parameter measured with correction circuit.

All specifications subject to change without notice.