

Woofer 17 W-75 XL

Advantages

This Dynaudio woofer 17 W-75 XL is equipped with the XL magnet system making it suitable for bass reflex constructions.

This special design of the magnet system consists not only of a bigger magnet construction. A special arrangement of two magnet rings is applied avoiding overshootings.

The one-piece moulded PP cone is shaped with a concave middle section, thus giving an extended frequency range.



Applications

For use in 10 to 15 liter bass reflex or passive radiator systems.

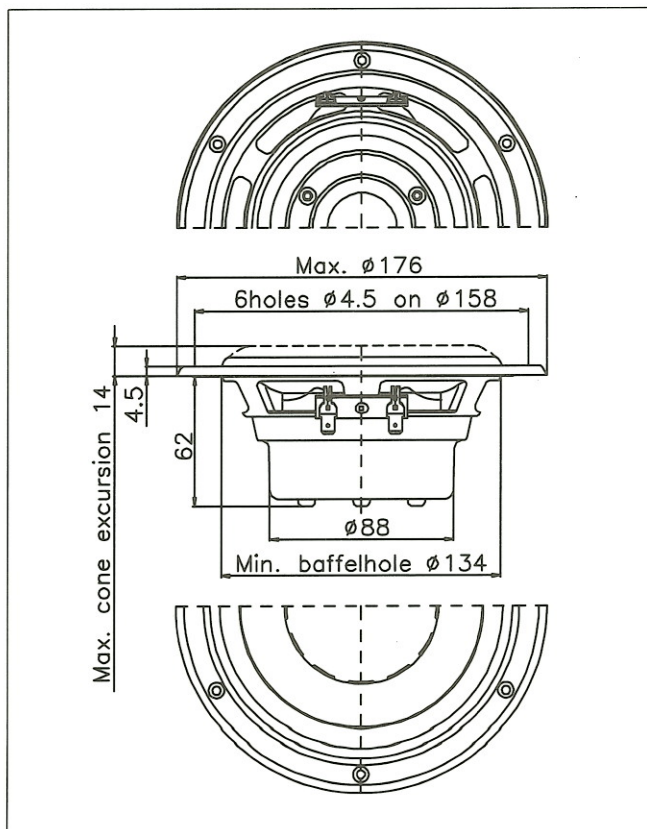
For 2 way systems or mid woofer in bigger constructions.

Can be used with 6dB or higher order crossover.

Typical Data

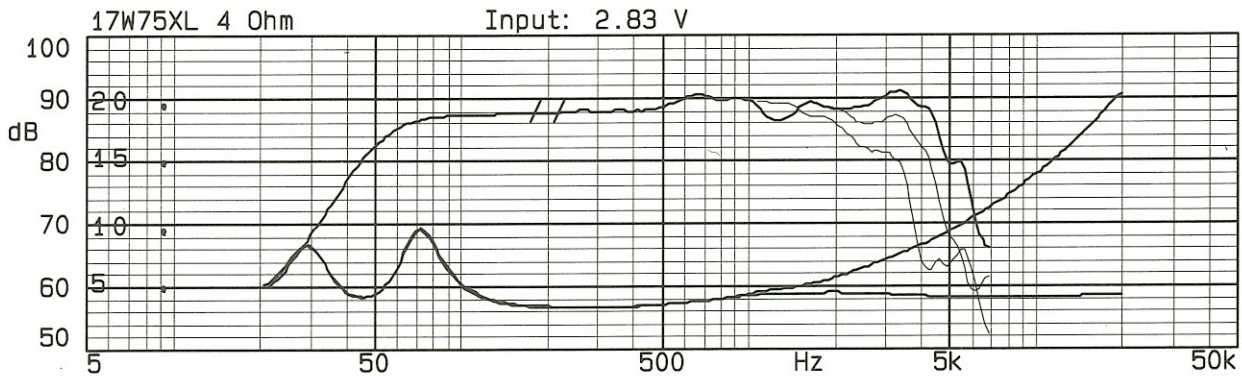
	4 Ohm	8 Ohm
Fs	40 Hz	40 Hz
Qt	0.4	0.5
Vas	20 liter	20 liter

If not indicated otherwise we deliver 4 Ohm version.

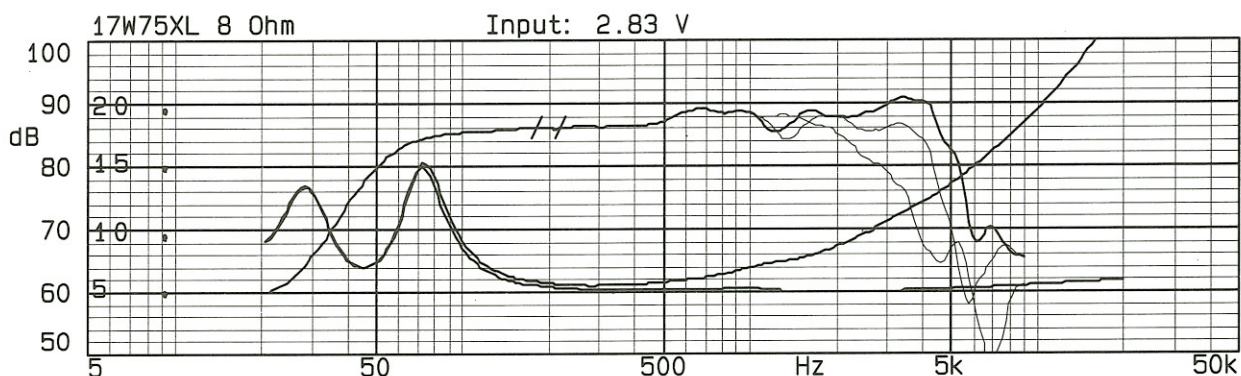


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Measurements



Frequency response 17 W-75 XL 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 XL 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 bass reflex cabinet (port 45 x 80 mm). Measurements below 200 Hz nearfield.

Specifications

Thiele-Small Parameter ¹		4 ohm	8 ohm
Q, mechanical	Q _m	1.9	2
Q, electrical	Q _e	0.5	0.6
Q, total	Q _t	0.4	0.5
Resonance frequency	F _s	40 Hz	40 Hz
Maximum impedance	Z _{max}	14 ohm	21 ohm
Moving mass	M _{ms}	16 g	16 g
Force factor	BL	4.8 Tm	5.7 Tm
Equiv. volume	V _{as}	20 liter	20 liter
Effective cone area	S _d	120 cm ²	120 cm ²
Lin. excursion (p-p)	X _{max}	6 mm	6 mm
Max. excursion (p-p)		19 mm	19 mm

Voice Coil		4 ohm	8 ohm
Diameter	d	75 mm	75 mm
Length	h	11 mm	11 mm
Layers	n	2	2
Inductance 10 kHz	Le	0.17 mH	0.23 mH
Nom. impedance	Z _{vc}	4 ohm	8 ohm
DC resistance	Re	3.0 ohm	5.1 ohm
Sensitivity	2.83 V	see curve	see curve
Power Handling:			
Nominal long term	IEC>	130 watts	130 watts
Transient	10ms>	1000 W	1000 W
Net weight		1.1 kgs	1.1 kgs
Overall dimension		Ø 176 x 70 mm	

¹Thiele-Small Parameter measured with correction circuit.

All specifications subject to change without notice.