

## Woofer ESOTEC® 17 W LQ

### Advantages

The typical Dynaudio die cast basket is very rigid although the ribs are slim which do not allow any early reflexion.

The Dynaudio cone material is a special mix of PP with magnesium silicate for very high internal damping. It is moulded in just one piece including the center part which results in a controlled roll off and high dynamic range.

The legendary huge 75 mm voice coil is of pure aluminium. The low weight of the aluminium allows for a fast transient response.

The magnet motor is designed with the XL magnet construction rendering maximum power.



### Applications

Designed for 10 to 15 liter bass reflex or passive radiator systems.

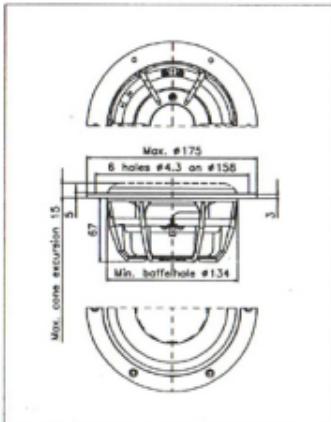
Woofer in 2 or 3 way systems or midwoofer in bigger constructions.

Can be used with 6dB or higher order crossover.

### Typical Data

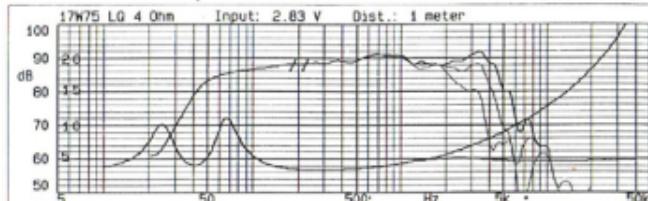
4 Ohm      8 Ohm

F <sub>s</sub>	40 Hz	40 Hz
Q <sub>t</sub>	0.4	0.4
V <sub>as</sub>	22 liter	22 liter

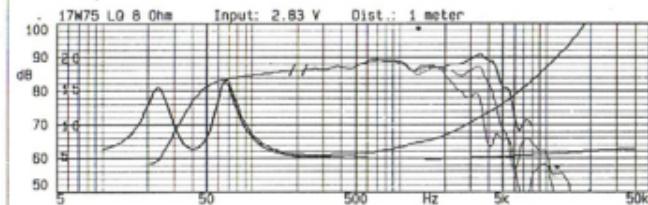


## Woofer 17 ESOTEC® W LQ

### Measurements



Frequency response 17 W LQ on-axis, 30° and 60°, distance 1m, 4 ohm version.  
Impedance curve with and without correction circuit (5.6 ohm and 10  $\mu$ F).



Frequency response 17 W LQ on-axis, 30° and 60°, distance 1m, 8 ohm version.  
Impedance curve with and without correction circuit (6.8 ohm and 10  $\mu$ F).

Measured in a 15 liter bassreflex cabinet (port 45 x 105). Measurements below 200 Hz nearfield.

### Specifications

Thiele-Small Parameter <sup>1</sup>		4 ohm	8 ohm	Voice Coil	4 ohm	8 ohm
Q <sub>m</sub> , mechanical	Q <sub>m</sub>	1.8	1.8	Diameter	75 mm	75 mm
Q <sub>e</sub> , electrical	Q <sub>e</sub>	0.5	0.5	Length	11.5 mm	10.5 mm
Q <sub>t</sub> , total	Q <sub>t</sub>	0.4	0.4	Layers	2	2
Resonance frequency	F <sub>s</sub>	40 Hz	40 Hz	Inductance 10 kHz	I <sub>e</sub>	0.15 mH
Maximum impedance	Z <sub>max</sub>	15 ohm	22 ohm	Nom. impedance	Z <sub>vc</sub>	0.19 mH
Moving mass	M <sub>m</sub>	15 g	15 g	DC resistance	R <sub>e</sub>	4 ohm
Force factor	B <sub>L</sub>	5.0 Tm	6.0 Tm	Sensitivity	2.83 V	3.0 ohm
Equivalent volume	V <sub>as</sub>	22 liter	22 liter	Power Handling:		4.9 ohm
Effective cone area	S <sub>d</sub>	120 cm <sup>2</sup>	120 cm <sup>2</sup>	Nominal long term	I <sub>EC</sub>	130 watts
Lin. excursion (p-p)	X <sub>max</sub>	6.5 mm	5.5 mm	Transient	10ms	1000 W
Max. excursion (p-p)	X <sub>max</sub>	17 mm	17 mm	Net weight		1.2 kgs
Overall dimension				Ø 175 x 72 mm		

<sup>1</sup>Thiele-Small Parameter measured with correction circuit.

All specifications subject to change without notice.