Woofer 17 W-75 EXT

Advantages

Being an offspring of the famous 17 W-75 this woofer has all the same advantages as the basic type.

Even most of the data are the same except for the frequency response.

Changing the center part of the PP one-piece cone to a special designed concave shape results in an extended frequency response.

Applications

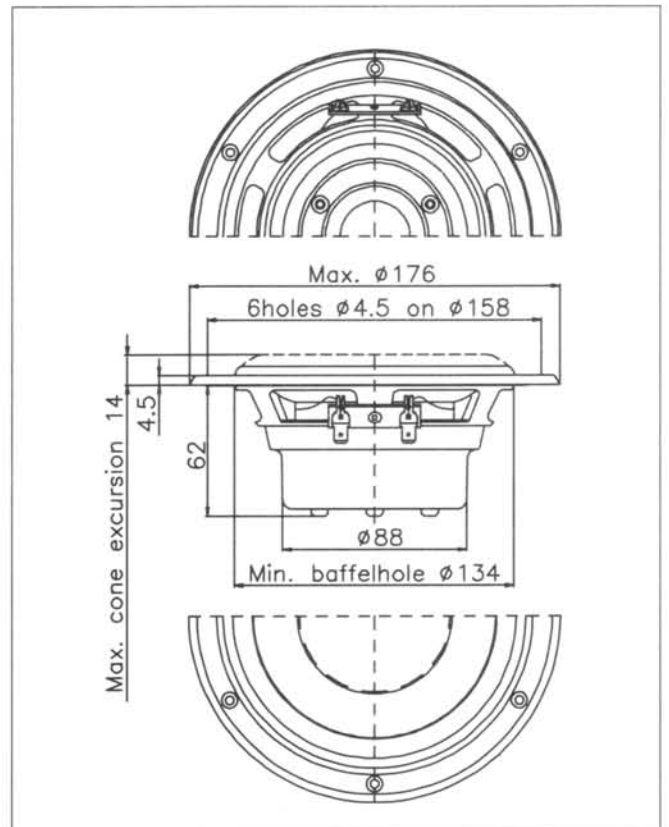The high power handling unit is designed for closed cabinets of 10 to 15 liter.

To be used in 2 way systems or as mid woofer in bigger constructions.

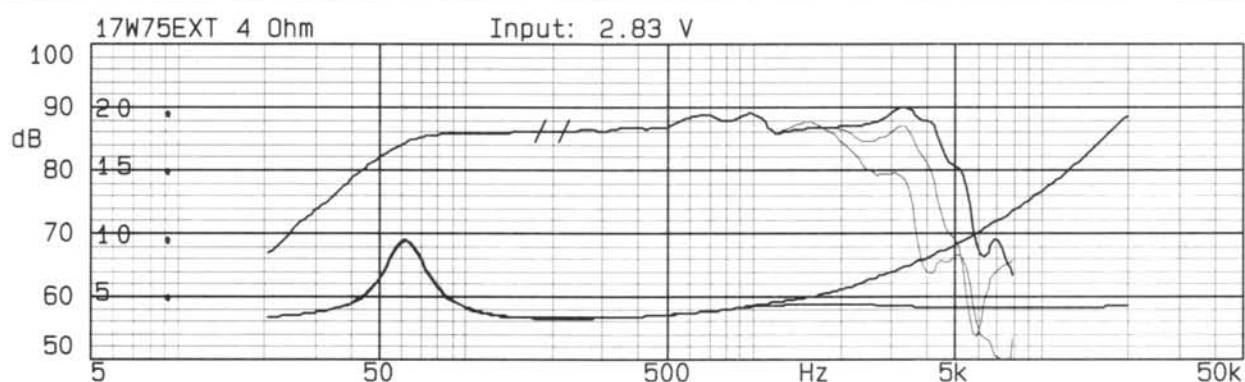Can be used with 6 dB or higher order crossover.

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.

Max. ⌀176
6holes ⌀4.5 on ⌀158
Max. cone excursion 14
4.5
62
⌀88
Min. baffelhole ⌀134
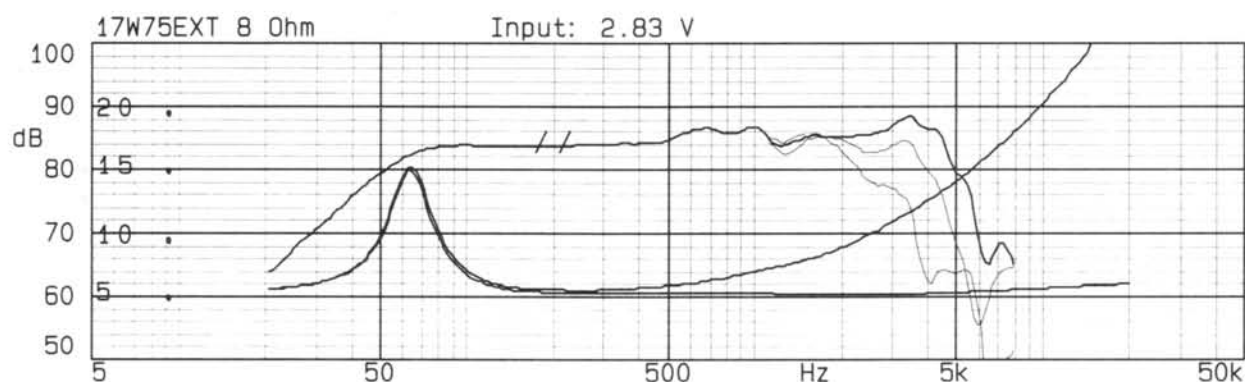
Measurements

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

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

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

Specifications

Thiele-Small Parameter[1]		4 ohm	8 ohm
Q, mechanical	Qm	3	2.8
Q, electrical	Qe	0.9	1.1
Q, total	Qt	0.7	0.8
Resonance frequency	Fs	40 Hz	40 Hz
Maximum impedance	Zmax	13 ohm	19 ohm
Moving mass	Mms	15 g	15 g
Force factor	BL	3.5 Tm	4.3 Tm
Equiv. volume	Vas	22 liter	22 liter
Effective cone area	Sd	120 cm²	120 cm²
Lin. excursion (p-p)	Xmax	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	Zvc	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		0.9 kgs	0.9 kgs
Overall dimension		Ø 176 x 70 mm	

[1]Thiele-Small Parameter measured with correction circuit.

All specifications subject to change without notice.