DYNAUDIO®
AUTHENTIC TECHNOLOGY

Woofer 20 W-75

Advantages

The rigid aluminium basket has very slim but solid ribs, thus avoiding most of the rear air reflections of conventional broad ribbed baskets. The largely vented magnet system together with the vented voice coil result in very low compression and an extremely smooth frequency response.

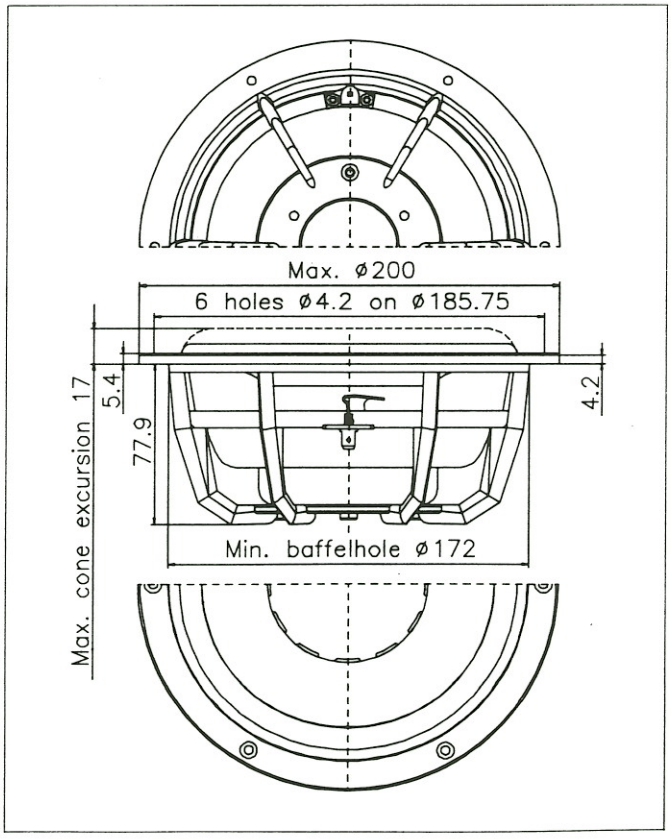
The one-piece mouled PP cone makes it possible to use the large 75 mm voice coil without having the problems that separate dust caps and large voice coils are likely to create.
The large aluminium voice coil gives a long linear excursion and thereby very low distortion.

The 20 W-75 woofer furthermore is equipped with the XL magnet construction already in the standard version

Applications

The high power handling unit is designed for 18 liter closed cabinets giving an appr. Qt = 0.7.

For use as woofer in high quality 2 and 3 way systems or as mid woofer in bigger constructions. Can be used with 6 dB or higher order crossover.



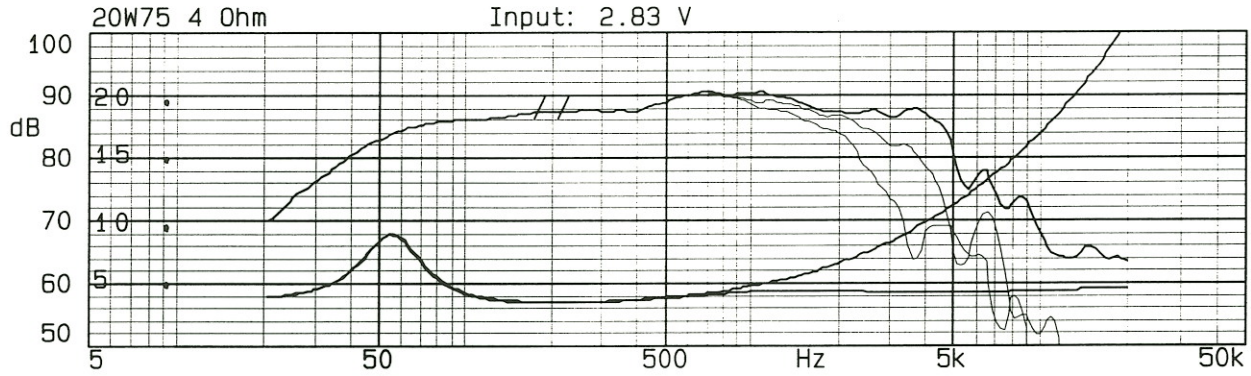
Typical Data

	4 Ohm	8 Ohm
Fs	30 Hz	30 Hz
Qt	0.4	0.5
Vas	65 liter	65 liter

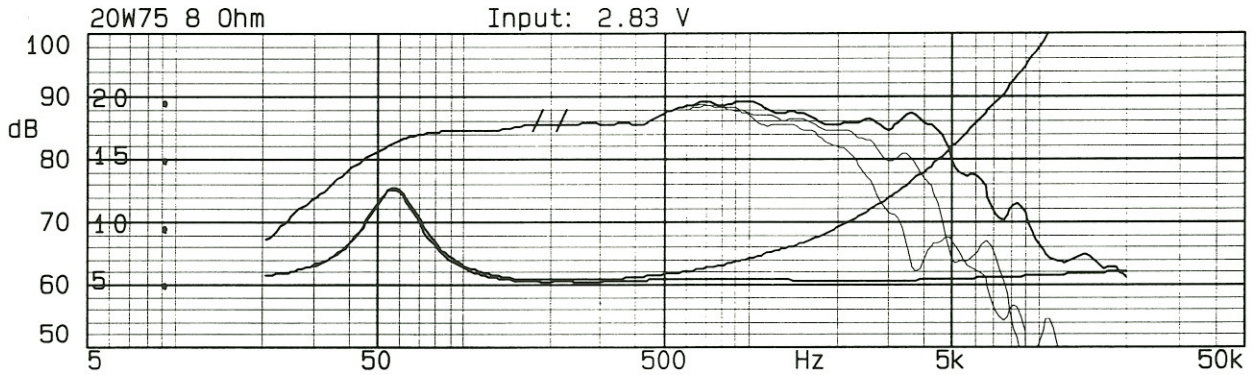
If not indicated otherwise we deliver 4 Ohm version.

Woofer 20 W-75

Measurements



Frequency response 20 W-75 on-axis, 30° and 60°, distance 1m, 4 ohm version.
Impedance curve with and without correction circuit (4.7 ohm and 20 μF).



Frequency response 20 W-75 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 18 liter closed cabinet. Measurements below 200 Hz nearfield.

Specifications

Thiele-Small Parameter[1]		4 ohm	8 ohm
Q, mechanical	Qm	1.5	1.8
Q, electrical	Qe	0.5	0.7
Q, total	Qt	0.4	0.5
Resonance frequency	Fs	30 Hz	30 Hz
Maximum impedance	Zmax	12 ohm	17 ohm
Moving mass	Mms	20 g	20 g
Force factor	BL	4.8 Tm	5.0 Tm
Equiv. volume	Vas	65 liter	65 liter
Effective cone area	Sd	180 cm^2	180 cm^2
Lin. excursion (p-p)	Xmax	9 mm	9 mm
Max. excursion (p-p)		15 mm	15 mm

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

Voice Coil		4 ohm	8 ohm
Diameter	d	75 mm	75 mm
Length	h	14 mm	14 mm
Layers	n	2	2
Inductance 10 kHz	Le	0.20 mH	0.30 mH
Nom. impedance	Zvc	4 ohm	8 ohm
DC resistance	Re	3.2 ohm	5.0 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		1.2 kgs	1.2 kgs
Overall dimension		Ø 200 x 89 mm	

All specifications subject to change without notice.