

## KEY FEATURES

- High power handling (400 W<sub>AES</sub>).
- 3" (77 mm) copper voice coil with apical former.
- Optimum winding length for increase linear excursion.
- Extended response in the medium frequency range.
- Designed for high power woofer applications.

## TECHNICAL SPECIFICATIONS

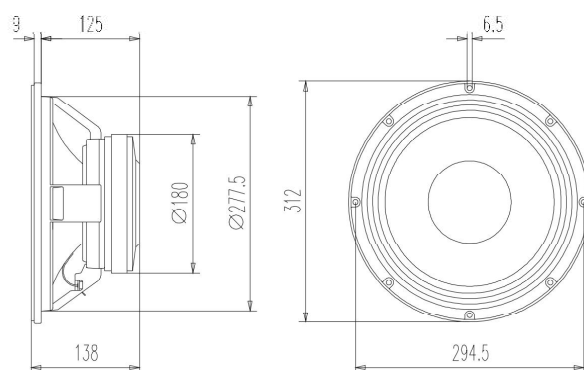
Nominal diameter	300 mm	12 in
Rated impedance		8 Ω
Minimum impedance		7,7 Ω
Power capacity*	400 W <sub>AES</sub>	
Program power		800 W
Sensitivity	95 dB	1W @ 1m @ 2π
Frequency range		35 - 4.000 Hz
Recom. enclosure vol.	30 / 100 l	1,06 / 3,53 ft <sup>3</sup>
Voice coil diameter	77 mm	3 in
Magnetic assembly weight	4,9 kg	10,8 lb
BI factor		15,1 N/A
Moving mass		0,059 kg
Voice coil length		17,5 mm
Air gap height		7 mm
X <sub>damage</sub> (peak to peak)		30 mm

## THIELE-SMALL PARAMETERS\*\*

Resonant frequency, f <sub>s</sub>	43 Hz
D.C. Voice coil resistance, R <sub>e</sub>	6,2 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	12,43
Electrical Quality Factor, Q <sub>es</sub>	0,45
Total Quality Factor, Q <sub>ts</sub>	0,44
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	94,24 l
Mechanical Compliance, C <sub>ms</sub>	223 μm / N
Mechanical Resistance, R <sub>ms</sub>	1,32 kg / s
Efficiency, η <sub>0</sub>	1,65 %
Effective Surface Area, S <sub>d</sub>	0,055 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***	7,25 mm
Displacement Volume, V <sub>d</sub>	300 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	1,7 mH



## DIMENSION DRAWINGS



## MOUNTING INFORMATION

Overall diameter	312 mm	12,3 in
Bolt circle diameter	294,5 mm	11,6 in
Baffle cutout diameter:		
- Front mount	277,5 mm	10,9 in
- Rear mount	280 mm	11 in
Depth	131,3 mm	5,17 in
Volume displaced by driver	4,5 l	0,16 ft <sup>3</sup>
Net weight	5,65 kg	12,45 lb
Shipping weight	6,01 kg	13,23 lb

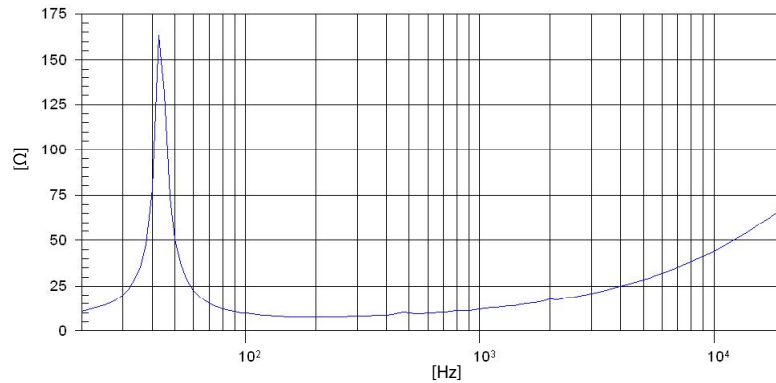
### Notes:

\* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

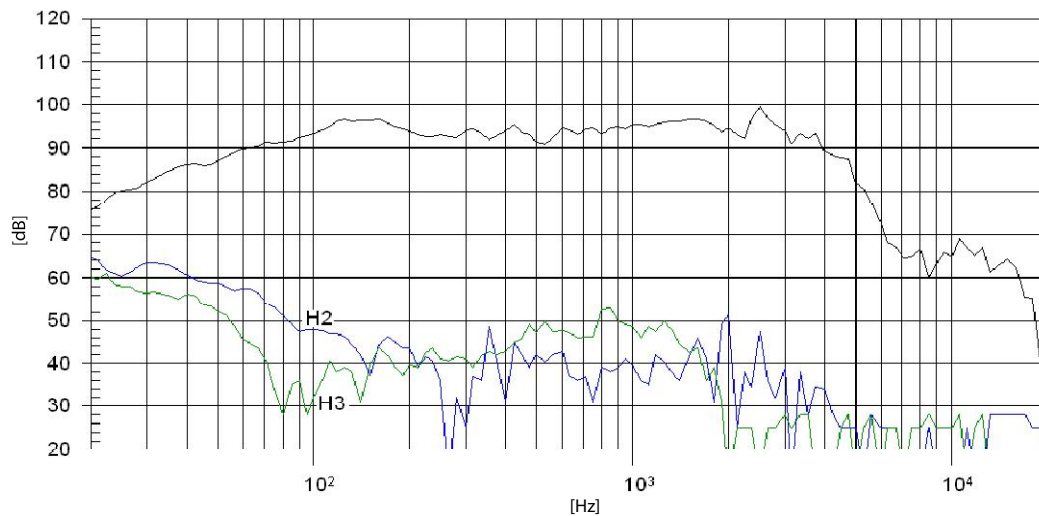
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* The X<sub>max</sub> is calculated as (L<sub>vc</sub> - H<sub>ag</sub>)/2 + (H<sub>ag</sub>/3,5), where L<sub>vc</sub> is the voice coil length and H<sub>ag</sub> is the air gap height.

### FREE AIR IMPEDANCE CURVE



### FREQUENCY RESPONSE AND DISTORTION



Note: On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m