

### KEY FEATURES

- 125 W<sub>RMS</sub> power handling
- Sensitivity: 93 dB @ 1 W @ 1 m
- 2" copper voice coil
- Extended controlled displacement: X<sub>max</sub> ± 8 mm
- Low resonance for low frequency extension
- Flat frequency response and low distortion
- Rubber surround
- Die cast aluminium basket
- Ferrite magnet

### TECHNICAL SPECIFICATIONS

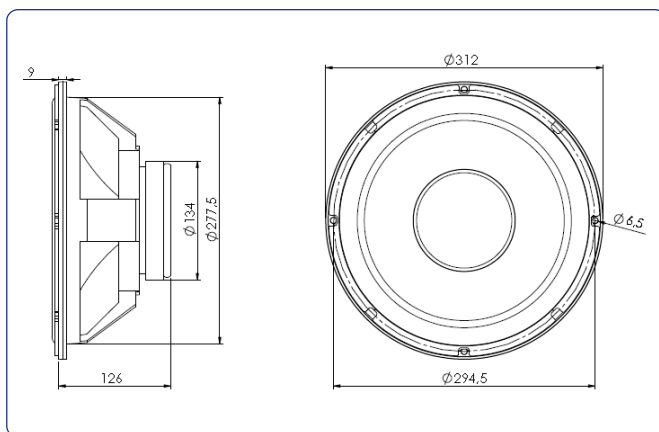
Nominal diameter	300 mm	12 in
Rated impedance		8 Ω
Minimum impedance		6,6 Ω
Power capacity*		125 W <sub>RMS</sub>
Program power		250 W
Sensitivity	93 dB	1W @ 1m @ 2π
Frequency range		25 - 4.000 Hz
Recom. enclosure vol.	50 / 120 l	1,77 / 4,24 ft <sup>3</sup>
Voice coil diameter	52 mm	2 in
Magnetic assembly weight	2,75 kg	6,06 lb
BI factor		12,1 N/A
Moving mass		0,074 kg
Voice coil length		19 mm
Air gap height		7 mm

### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, f <sub>s</sub>	31 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,6 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	4,44
Electrical Quality Factor, Q <sub>es</sub>	0,56
Total Quality Factor, Q <sub>ts</sub>	0,50
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	142 l
Mechanical Compliance, C <sub>ms</sub>	345 μm / N
Mechanical Resistance, R <sub>ms</sub>	3,3 kg / s
Efficiency, η <sub>0</sub>	0,76 %
Effective Surface Area, S <sub>d</sub>	0,054 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***	8 mm
Displacement Volume, V <sub>d</sub>	340 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,85 mH



### DIMENSION DRAWINGS



### MOUNTING INFORMATION

Overall diameter	312 mm	12,28 in
Bolt circle diameter	294,5 mm	11,59 in
Baffle cutout diameter:		
- Front mount	277,5 mm	10,93 in
- Rear mount	280 mm	11,02 in
Depth	125 mm	4,92 in
Net weight	3,6 kg	7,93 lb
Shipping weight	4,1 kg	9,04 lb

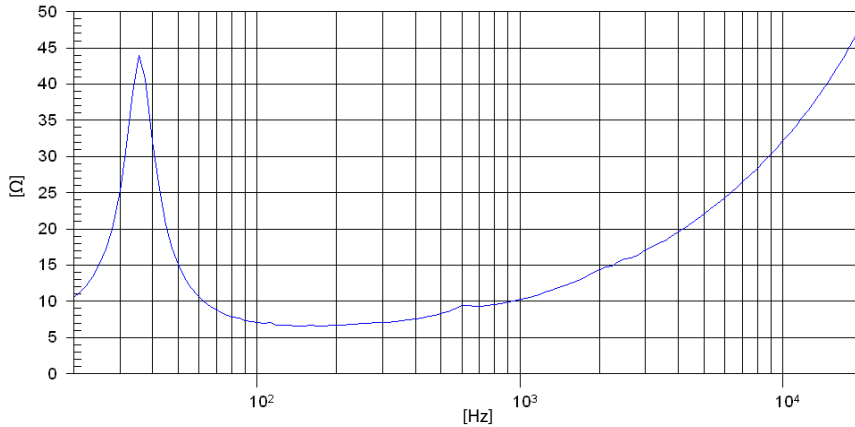
#### Notes:

\* 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.

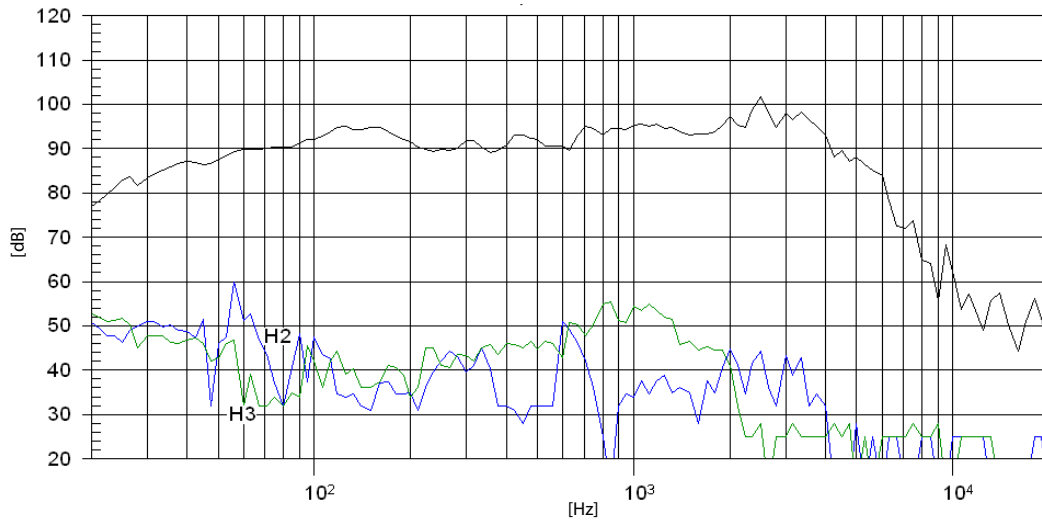
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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