

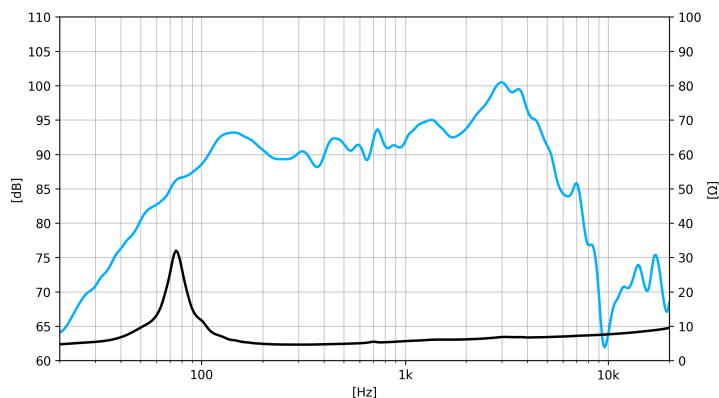
#### TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		4 Ω
Minimum impedance		4,5 Ω
Power capacity*		250 W <sub>AES</sub>
Program power		500 W
Sensitivity	93 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		80 - 4.000 Hz
Voice coil diameter	63,5 mm	2,5 in
BI factor		8,6 N/A
Moving mass		0,025 kg
Voice coil length		16 mm
Air gap height		7 mm
X <sub>damage</sub> (peak to peak)		23 mm



#### THIELE-SMALL PARAMETERS\*\*

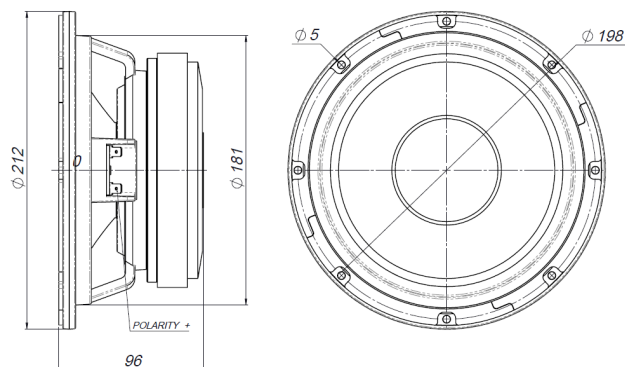
Resonant frequency, f <sub>s</sub>	74 Hz
D.C. Voice coil resistance, R <sub>e</sub>	3,2 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	4,3
Electrical Quality Factor, Q <sub>es</sub>	0,50
Total Quality Factor, Q <sub>ts</sub>	0,44
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	13 l
Mechanical Compliance, C <sub>ms</sub>	188 μm / N
Mechanical Resistance, R <sub>ms</sub>	2,7 kg / s
Efficiency, η <sub>0</sub>	1,01 %
Effective Surface Area, S <sub>d</sub>	0,022 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***	6,8 mm
Displacement Volume, V <sub>d</sub>	149 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,2 mH



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

#### MOUNTING INFORMATION

Overall diameter	212 mm	8,3 in
Bolt circle diameter	198 mm	7,8 in
Baffle cutout diameter:		
- Front mount	181 mm	7,1 in
Depth	96 mm	3,8 in
Net weight	3,3 kg	7,3 lb
Shipping weight	3,5 kg	7,6 lb



#### Notes:

This datasheet is done with the measurement of a laboratory prototype. Small differences may appear when the driver is transferred to the production line and manufactured in big quantities.

\* 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.