

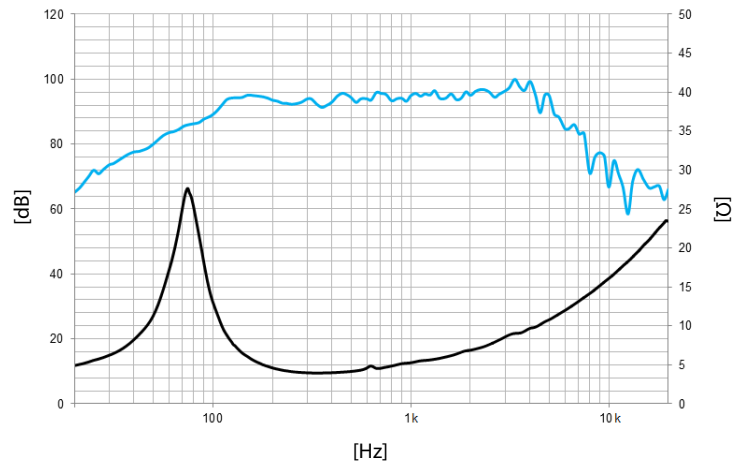
TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		4 Ω
Minimum impedance		3,9 Ω
Power capacity*		250 W _{AES}
Program power		500 W
Sensitivity	94 dB	1W / 1m @ Z _N
Frequency range		80 - 4.000 Hz
Voice coil diameter	63,5 mm	2,5 in
BI factor		10,3 N/A
Moving mass		0,027 kg
Voice coil length		16 mm
Air gap height		8 mm
X _{damage} (peak to peak)		23 mm



THIELE-SMALL PARAMETERS**

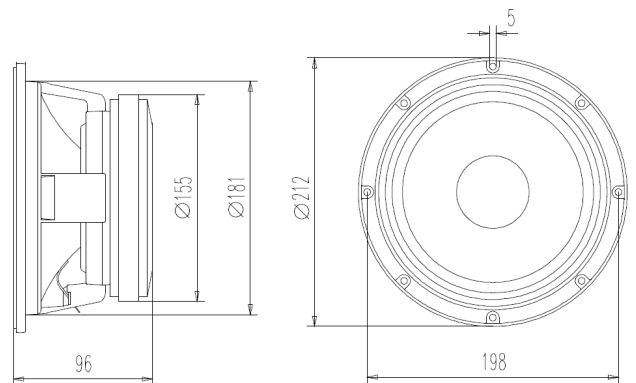
Resonant frequency, f _s		76 Hz
D.C. Voice coil resistance, R _e		3,1 Ω
Mechanical Quality Factor, Q _{ms}		3,2
Electrical Quality Factor, Q _{es}		0,39
Total Quality Factor, Q _{ts}		0,35
Equivalent Air Volume to C _{ms} , V _{as}		10,7 l
Mechanical Compliance, C _{ms}		157 μm / N
Mechanical Resistance, R _{ms}		4,1 kg / s
Efficiency, η ₀		1,2 %
Effective Surface Area, S _d		0,022 m ²
Maximum Displacement, X _{max} ***		6,5 mm
Displacement Volume, V _d		143 cm ³
Voice Coil Inductance, L _e @ 1 kHz		0,4 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_{max} is calculated as (L_{vc} - H_{ag})/2 + (H_{ag}/3,5), where L_{vc} is the voice coil length and H_{ag} is the air gap height.