

TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		4 Ω
Minimum impedance		5 Ω
Power capacity ¹		220 W _{AES}
Program power ²		440 W
Sensitivity	94 dB	1W / 1m @ Z _N
Frequency range		115 - 9.000 Hz
Voice coil diameter	38,1 mm	1,5 in
BL factor		8,1 N/A
Moving mass		0,014 kg
Voice coil length		14 mm
Air gap height		6 mm
X _{damage} (peak to peak)		30 mm



THIELE-SMALL PARAMETERS³

Resonant frequency, f _r	115 Hz
D.C. Voice coil resistance, R _e	3,8 Ω
Mechanical Quality Factor, Q _{ms}	2,2
Electrical Quality Factor, Q _{es}	0,60
Total Quality Factor, Q _{ts}	0,48
Equivalent Air Volume to C _{ms} , V _{as}	3,7 l
Mechanical Compliance, C _{ms}	134 μm / N
Mechanical Resistance, R _{ms}	4,6 kg / s
Efficiency, η ₀	0,9 %
Effective Surface Area, S _d	0,014 m ²
Maximum Displacement, X _{max} ⁴	6 mm
Displacement Volume, V _d	80 cm ³
Voice Coil Inductance, L _e	0,4 mH

MOUNTING INFORMATION

Overall diameter	167 mm	6,6 in
Bolt circle diameter	156 mm	6,1 in
Baffle cutout diameter:		
- Front mount	141 mm	5,6 in
Depth	79 mm	3,1 in
Net weight	2,2 kg	4,8 lb
Shipping weight	2,3 kg	5,1 lb

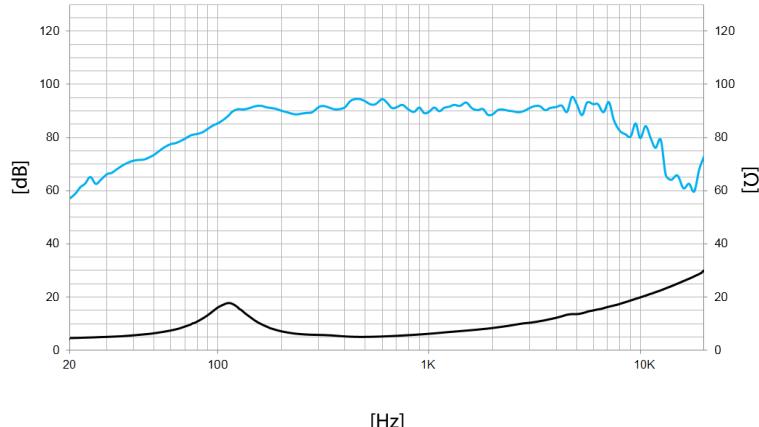
Notes:

¹ The power capacity is determined according to AES2-1984 (r2003) standard.

² Program power is defined as power capacity + 3 dB.

³ 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).

⁴ 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.



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

