

TECHNICAL SPECIFICATIONS

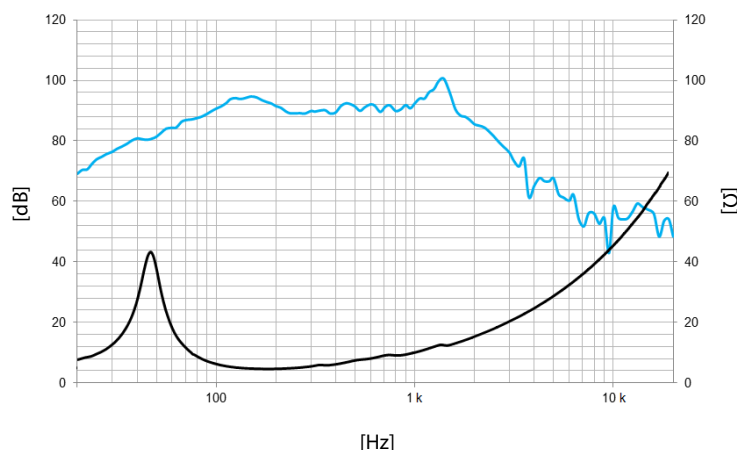
Nominal diameter	300 mm	12 in
Rated impedance		4 Ω
Minimum impedance		4,6 Ω
Power capacity ¹		500 W _{AES}
Program power ²		1.000 W
Sensitivity	93 dB	1W / 1m @ Z _N
Frequency range		45 - 1.500 Hz
Voice coil diameter	101,6 mm	4 in
BI factor		20,1 N/A
Moving mass		0,141 kg
Voice coil length		25 mm
Air gap height		10 mm
X _{damage} (peak to peak)		42 mm

THIELE-SMALL PARAMETERS³

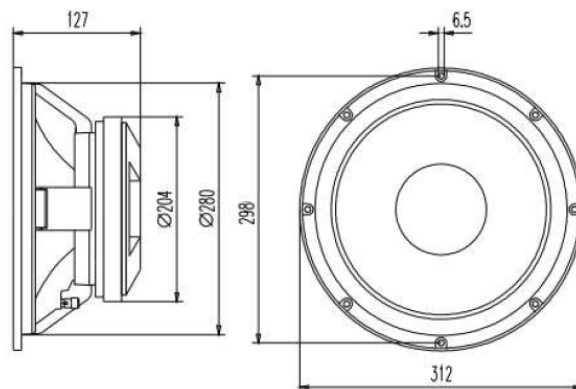
Resonant frequency, f _s	48 Hz
D.C. Voice coil resistance, R _e	3,5 Ω
Mechanical Quality Factor, Q _{ms}	4,6
Electrical Quality Factor, Q _{es}	0,37
Total Quality Factor, Q _{ts}	0,34
Equivalent Air Volume to C _{ms} , V _{as}	33 l
Mechanical Compliance, C _{ms}	77 μm / N
Mechanical Resistance, R _{ms}	9,2 kg / s
Efficiency, η ₀	1 %
Effective Surface Area, S _d	0,055 m ²
Maximum Displacement, X _{max} ⁴	10 mm
Displacement Volume, V _d	550 cm ³
Voice Coil Inductance, L _e	1 mH

MOUNTING INFORMATION

Overall diameter	312 mm	12,3 in
Bolt circle diameter	298 mm	11,7 in
Baffle cutout diameter:		
- Front mount	280 mm	11,0 in
Depth	127 mm	5,0 in
Net weight	9,7 kg	21,4 lb
Shipping weight	10,4 kg	22,9 lb



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



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.