

KEY FEATURES



- High power handling and low distortion 15" subwoofer
- Exclusive Malt Cross® Technology Cooling System
- Low power compression losses
- High sensitivity: 97 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Ultra low air noise
- Optimized linear behaviour

- Weatherproof cone with treatment for both sides
- 4" DUO double layer in/out copper voice coil
- Extended controlled displacement: $X_{max} \pm 11$ mm
- 60 mm peak-to-peak excursion before damage
- Optimized for direct radiation and band-pass subwoofer applications



TECHNICAL SPECIFICATIONS

Nominal diameter	380 mm	15 in
Rated impedance		8 Ω
Minimum impedance		5,8 Ω
Power capacity ¹	1.200 W _{AES}	
Program power ²	2.400 W	
Sensitivity	97 dB	1W / 1m @ Z _N
Frequency range	40 - 1.500 Hz	
Recom. enclosure (Bass-reflex design)	V _b = 115 l F _b = 40 Hz	
Voice coil diameter	101,6 mm	4 in
BI factor		26,4 N/A
Moving mass		164 g
Voice coil length		28 mm
Air gap height		14 mm
X _{damage} (peak to peak)		60 mm

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.

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	36 Hz
D.C. Voice coil resistance, R _e	5,1 Ω
Mechanical Quality Factor, Q _{ms}	6,2
Electrical Quality Factor, Q _{es}	0,32
Total Quality Factor, Q _{ts}	0,30
Equivalent Air Volume to C _{ms} , V _{as}	127 l
Mechanical Compliance, C _{ms}	0,115 mm / N
Mechanical Resistance, R _{ms}	6,1 kg / s
Efficiency, η_0	1,86 %
Effective Surface Area, S _d	0,088 m ²
Maximum Displacement, X _{max} ⁴	11 mm
Displacement Volume, V _d	0,97 l
Voice Coil Inductance, L _e	1,5 mH

