

8" WOOFER

RARE-EARTH-FREE

8" - 300 W - 91 dB



NOMINAL SPECIFICATIONS

Nominal Diameter	200 mm (8 in)
Overall Diameter	223.8/207.9 mm (8.81/8.18 in)
Bolt Circle Diameter	210 mm (8.27 in)
Baffle Cutout Diameter	183 mm (7.20 in)
Depth	107.5 mm (4.23 in)
Flange and gasket Thickness	16 mm (0.63 in)
Net Weight	3.4 kg (7.5 lb)

- NOTES:**
- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
 - (2) Maximum power is defined as 3dB greater than nominal power
 - (3) "Kaiten" is a patented technology of Faital S.p.A.
 - (4) NBR (Rubber)
 - (5) $X_{max} = [(Winding\ Depth - magnetic\ gap\ depth) / 2] + (magnetic\ gap\ depth / 3)$
 - (6) Maximum excursion before permanent damage

TECHNICAL PARAMETERS

Nominal Impedance	8 Ω
Minimum Impedance	7.3 Ω
AES Power Handling (1)	300 W
Maximum Power Handling (2)	600 W
Sensitivity (1W/1m)	91 dB
Frequency Range	50÷6300 Hz
Voice Coil Diameter	65 mm (2.56 in)
Winding Material	Al
Former Material	Glass Fiber
Winding Depth	20.7 mm (0.81 in)
Magnetic Gap Depth	6 mm (0.24 in)
Flux Density	1.3 T
Magnet (3)	26 x Iron Nitride Kaitens
Basket Material	Aluminum
Demodulation	Aluminum Ring
Cone Surround (4)	Half Roll
NET Air Volume filled by Loudspeaker	1.04 dm³ (0.037 ft³)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	45 Hz
Re	6.3 Ω
Qes	0.32
Qms	7.8
Qts	0.31
Vas	19.3 dm³ (0.68 ft³)
Sd	214.73 cm² (33.28 in²)
Xmax (5)	9.35 mm
Xdamage (6)	17.7 mm
Mms	41.8 g
Bl	15.2 N/A
Le	0.62 mH
Mmd	38.2 g
Cms	0.30 mm/N
Rms	1.5 kg/s
η₀ (Eta Zero)	0.53 %
EBP	140 Hz

