

14DS88 8 Ω

Woofer

- 1400 W continuous program power capacity
- 88 mm (3.5 in) aluminium voice coil
- 45 - 1200 Hz response
- 97.3 dB sensitivity
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider for optimized compliance

This next evolution subwoofer uses a new, longer, four layer aluminum voice coil. The result is less heat, more energy in the gap, higher sensitivity, higher power handling, lower distortion and better overall performance. The 14DS88 features a 27.5mm long, 3.5 inch diameter (88mm) Copper Clad Aluminum Wire voice coil. With a 1400watt AES power rating, 97.3 dB sensitivity, and 11mm of Xvar, this high energy subwoofer is a significant step forward from similar models in the B&C range.



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SPECIFICATIONS

Nominal Diameter	359 mm (14 in)
Nominal Impedance	8 Ω
Minimum Impedance	7.4 Ω
Nominal Power Handling	700 W
2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	1400 W
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	97.3 dB
Sensitivity at 2.83V/1m is calculated based on declared f_0 and R_e values.	
Frequency Range	45 Hz - 1200 Hz
Voice Coil Diameter	88 mm (3.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	27.5 mm (1.08 in)
Magnetic Gap Depth	11 mm (0.43 in)
Flux Density	1.05 T

PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

F_s	44 Hz
R_e	5.6 Ω
Q_{es}	0.19
Q_{ms}	8
Q_{ts}	0.18
V_{as}	55 dm³ (1.94 ft³)
S_d	707 cm² (109.6 in²)
η_0	2.4 %
X_{max}	11 mm
X_{var}	10.8 mm
M_{ms}	170 g
Bl	36.9 Tm
L_e	2.05 mH
EBP	232 Hz

DESIGN

Surround Shape	Triple Roll
Cone Shape	Curvilinear
Magnet Material	Neodymium Inside Slug
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	WP Waterproof Front Side

MOUNTING AND SHIPPING INFO

Overall Diameter	360 mm (14.17 in)
Bolt Circle Diameter	342 mm (13.46 in)
Baffle Cutout Diameter	325 mm (12.8 in)
Depth	174.4 mm (6.87 in)
Flange and Gasket Thickness	15 mm (0.59 in)
Air Volume Occupied by Driver	3.5 dm³ (0.12 ft³)
Net Weight	5.9 kg (13.01 lb)



