



15BG100

ND SUBWOOFER



2000 W
continuous program
power capacity

100 mm (4 in)
copper voice coil

94.5 dB
sensitivity

35 - 1000 Hz
response

Aluminium demodulating ring for very low distortion

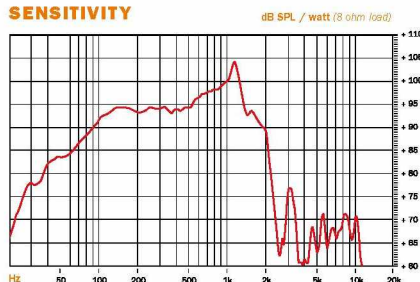
FEA optimized Neodymium magnet assembly

Double silicone spider with optimized compliance

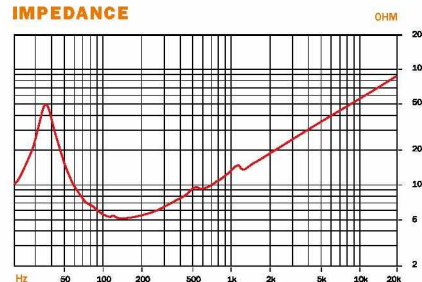
Ventilated voice coil gap for reduced power compression



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	380 mm (12 in)
Nominal Impedance	8 Ω
Minimum Impedance	6 Ω
Power Handling	
Nominal (AES) ¹	1000 W
Continuous Program ²	2000 W
Sensitivity (1W/1m) ³	94.5 dB
Frequency Range	35 - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	27 mm (1.06 in)
Magnetic Gap Depth	11 mm (0.43 in)
Flux Density	1.25 T
Magnet Material	Neodymium Inside Slug
Waterproof Cone Treatment	Both Sides

THIELE & SMALL PARAMETERS⁴

Fs	36 Hz
Re	5.1 Ω
Qes	0.49
Qms	5.0
Qts	0.44
Vas	83 dm ³ (2.93 ft ³)
Sd	855 cm ² (132.5 in ²)
η ₀	0.8 %
X max	± 10.5 mm
X var	± 14 mm
Mms	240 g
Bl	23 T·m
Le	1.6 mH
EBP	73 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (14.7 in)
Baffle Cutout Diameter	354 mm (13.9 in)
Depth	189 mm (7.45 in)
Flange and Gasket Thickness	24 mm (0.94 in)
Air volume occupied by driver	6 dm ³ (0.21 ft ³)
Net Weight	8.6 kg (18.9 lb)
Shipping Weight	9.9 kg (21.83 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)
Service kit	RCK15BG100-8

Also available in 4 Ω, data upon request

¹ Two hour test made with continuous pink noise signal (6 dB crest factor) within the specified range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

² Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

³ Applied RMS Voltage is set to 2.83 V for 8 ohms. Average SPL from 100 to

500Hz.

⁴ Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.