

12NBX100

ND SUBWOOFER



2000 W
continuous program
power capacity

100 mm (4 in)
aluminium voice coil

96 dB
sensitivity

40 - 1500 Hz
response

Aluminium demodulating ring for very low distortion

FEA optimized Neodymium magnet assembly

Double silicone spider with optimized compliance

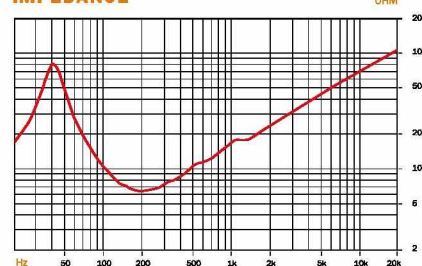
Ventilated voice coil gap for reduced power compression



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	320 mm (12 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Power Handling	
Nominal (AES) ¹	1000 W
Continuous Program ²	2000 W
Sensitivity (1W/1m) ³	96 dB
Frequency Range	40 - 1500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	25 mm (1 in)
Magnetic Gap Depth	11 mm (0.43 in)
Flux Density	1.1 T
Magnet Material	Neodymium Ring
Waterproof Cone Treatment	Both Sides

THIELE & SMALL PARAMETERS⁴

Fs	41 Hz
Re	5.1 Ω
Qes	0.24
Qms	3.9
Qts	0.22
Vas	51 dm ³ (1.8 ft ³)
Sd	531 cm ² (82 in ²)
η ₀	1.45 %
X max	± 10 mm
X var	± 10 mm
Mms	117 g
Bl	25.6 T-m
Le	1.9 mH
EBP	170 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	320 mm (12.6 in)
Bolt Circle Diameter	300 mm (11.8 in)
Baffle Cutout Diameter	280 mm (11 in)
Depth	143 mm (5.63 in)
Flange and Gasket Thickness	12 mm (0.47 in)
Air volume occupied by driver	4 dm ³ (0.14 ft ³)
Net Weight	8 kg (17.6 lb)
Shipping Weight	8.9 kg (19.62 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)

Service kit **RCK12NBX100-8**

Also available **12 NBX 100 - 4**

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 Nominal Impedance. Average SPL from 150 to 1200 Hz.

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

Also available in 4 Ω, data upon request