

15NBX100

ND SUBWOOFER



2000 W
continuous program
power capacity

100 mm (4 in)
copper voice coil

97 dB
sensitivity

35 - 1500 Hz
response

FEA optimized
Neodymium magnet
assembly

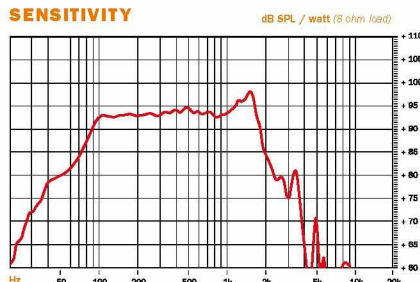
Aluminium
demodulating ring
for very low distortion

Double silicone
spider with optimized
compliance

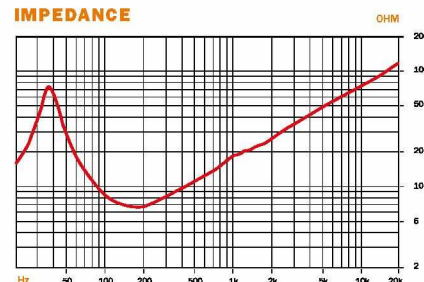
Ventilated voice
coil gap for reduced
power compression



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.4 Ω
Power Handling	
Nominal (AES) ¹	1000 W
Continuous Program ²	2000 W
Sensitivity (1W/1m) ³	97 dB
Frequency Range	35 - 1500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	25 mm (1.0 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	36 Hz
Re	5.1 Ω
Qes	0.31
Qms	4.2
Qts	0.29
Vas	1.25 dm ³ (4.4 ft ³)
Sd	855 cm ² (132.5 in ²)
η _o	2 %
X max	± 10 mm
X var	± 10 mm
Mms	151 g
Bl	25 T·m
Le	2 mH
EBP	116 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	393 mm (15.5 in)
Bolt Circle Diameter	374 mm (16.7 in)
Baffle Cutout Diameter	353 mm (13.9 in)
Depth	179 mm (7.05 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Air volume occupied by driver	6 dm ³ (0.21 ft ³)
Net Weight	9 kg (19.8 lb)
Shipping Weight	10.3 kg (22.11 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)

Service kit **RCK15NBX100-8**

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 1500 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