

# 18NW100

## ND SUBWOOFER



**2400 W**  
continuous program  
power capacity

**100 mm (4 in)**  
copper voice coil

**98 dB**  
sensitivity

**35 - 1000 Hz**  
response

FEA optimized  
Neodymium magnet  
assembly allows the  
highest force factor and  
excursion capability

Double silicone  
spider with optimized  
compliance

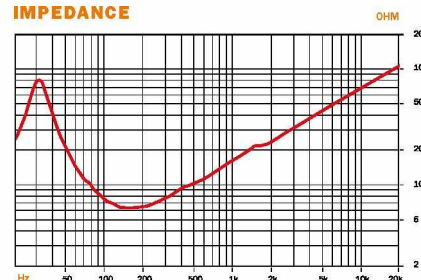
Ventilated voice  
coil gap for reduced  
power compression



### SENSITIVITY



### IMPEDANCE



### SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.3 Ω
Power Handling	
Nominal (AES) <sup>1</sup>	1200 W
Continuous Program <sup>2</sup>	2400 W
Sensitivity (1W/1m) <sup>3</sup>	98 dB
Frequency Range	35 - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	25 mm (1 in)
Magnetic Gap Depth	12 mm (0.5 in)
Flux Density	1.2 T
Magnet Material	Neodymium Inside Slug
Waterproof Cone Treatment	Both Sides

### THIELE & SMALL PARAMETERS<sup>4</sup>

Fs	31 Hz
Re	5.1 Ω
Qes	0.27
Qms	4.2
Qts	0.26
Vas	252 dm <sup>3</sup> (8.9 ft <sup>3</sup> )
Sd	1210 cm <sup>2</sup> (187.6 in <sup>2</sup> )
η <sub>0</sub>	2.7 %
X max	± 9 mm
X var	± 11 mm
Mms	211 g
Bl	28 T·m
Le	1.7 mH

### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	440 mm (17.3 in)
Baffle Cutout Diameter	422 mm (16.6 in)
Depth	209 mm (8.2 in)
Flange and Gasket Thickness	16 mm (0.62 in)
Air volume occupied by driver	8.5 dm <sup>3</sup> (0.03 ft <sup>3</sup> )
Net Weight	9.3 kg (20.5 lb)
Shipping Weight	10.9 kg (24.03 lb)
Shipping Box	500x495x275 mm (19.68x19.48x10.83 in)
Service kit	RCK18NW100-8

Also available in 4 Ω, data upon request

<sup>1</sup> 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.

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

<sup>3</sup> Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.

Average SPL from 100 to 1000 Hz.

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