

# 10NW64

## ND WOOFER



**600 W**  
continuous program  
power capacity

**64 mm (2.5 in)**  
copper voice coil

Neodymium magnet  
allows a very  
light yet powerful  
motor assembly

Shorting copper cap for  
extended HF response

**96 dB**  
sensitivity

**50 - 2500 Hz**  
response

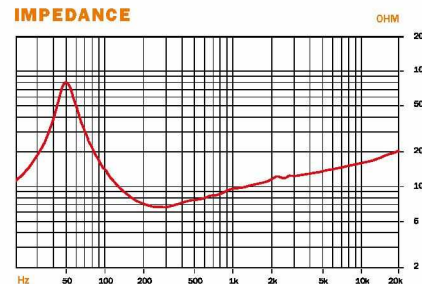
Ventilated voice  
coil gap for reduced  
power compression



### SENSITIVITY



### IMPEDANCE



### SPECIFICATIONS

Nominal Diameter	250 mm (10 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Power Handling	
Nominal (AES) <sup>1</sup>	300 W
Continuous Program <sup>2</sup>	600 W
Sensitivity (1W/1m) <sup>3</sup>	96 dB
Frequency Range	50 - 2500 Hz
Voice Coil Diameter	64 mm (2.5 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	16 mm (0.62 in)
Magnetic Gap Depth	8 mm (0.31 in)
Flux Density	1.25 T
Magnet Material	Neodymium Inside Slug
Waterproof Cone Treatment	Both Sides

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

Fs	50 Hz
Re	5.2 Ω
Qes	0.27
Qms	4.5
Qts	0.26
Vas	27.5 dm <sup>3</sup> (0.95 ft <sup>3</sup> )
Sd	320 cm <sup>2</sup> (50.0 in <sup>2</sup> )
η <sub>0</sub>	1.3 %
X max	± 8 mm
X var	± 10 mm
Mms	47 g
Bl	17.5 T·m
Le	0.47 mH
EBP	185 Hz

### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	261 mm (10.3 in)
Bolt Circle Diameter	245 mm (9.6 in)
Baffle Cutout Diameter	230 mm (9.1 in)
Depth	113 mm (4.4 in)
Flange and Gasket Thickness	13 mm (0.5 in)
Air volume occupied by driver	1.5 dm <sup>3</sup> (0.05 ft <sup>3</sup> )
Net Weight	2.9 kg (6.4 lb)
Shipping Weight	3.5 kg (7.7 lb)
Shipping Box	295x314x175 mm (11.61x12.36x6.89 in)
Service kit	RCK10NW64-8

Also available in 4 and 16 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 250 to 2500 Hz.

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