

15NA100

ND WOOFER



1600 W
continuous program
power capacity

100 mm (4 in)
aluminium voice coil

FEA optimized
Neodymium magnet
assembly

Double silicone
spider with optimized
compliance

Ventilated voice
coil gap for reduced
power compression

98 dB
sensitivity

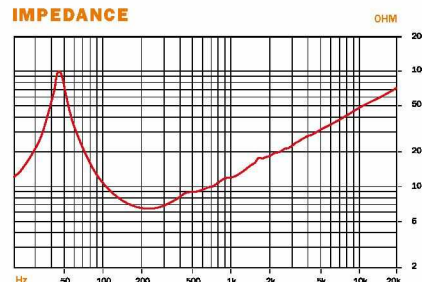
45 - 2000 Hz
response



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

| | |
|----------------------------------|-----------------------|
| Nominal Diameter | 380 mm (15 in) |
| Nominal Impedance | 8 Ω |
| Minimum Impedance | 6.6 Ω |
| Power Handling | |
| Nominal (AES) ¹ | 800 W |
| Continuous Program ² | 1600 W |
| Sensitivity (1W/1m) ³ | 98 dB |
| Frequency Range | 45 - 2000 Hz |
| Voice Coil Diameter | 100 mm (4 in) |
| Winding Material | Aluminium |
| Former Material | Glass Fibre |
| Winding Depth | 23 mm (0.9 in) |
| Magnetic Gap Depth | 11 mm (0.43 in) |
| Flux Density | 1.2 T |
| Magnet Material | Neodymium Inside Slug |
| Waterproof Cone Treatment | Front Side |

THIELE & SMALL PARAMETERS⁴

| | |
|----------------|--|
| Fs | 47 Hz |
| Re | 5.1 Ω |
| Qes | 0.29 |
| Qms | 6.1 |
| Qts | 0.28 |
| Vas | 88 dm ³ (3.1 ft ³) |
| Sd | 855 cm ² (132.5 in ²) |
| η ₀ | 2.9 % |
| X max | ± 10 mm |
| X var | ± 9 mm |
| Mms | 136 g |
| Bl | 26.3 T·m |
| Le | 1.2 mH |
| EBP | 162 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 | 180 mm (7.09 in) |
| Flange and Gasket Thickness | 16 mm (0.62 in) |
| Air volume occupied by driver | 6 dm ³ (0.21 ft ³) |
| Net Weight | 9.3 kg (20.5 lbs) |
| Shipping Weight | 10.6 kg (23.37 lb) |
| Shipping Box | 425x425x224 mm (16.73x16.73x8.82 in) |

Service kit **RCK15NA100-8**

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

³ Applied RMS Voltage is set to 2.83V for 8 ohms Nominal Impedance.

Average SPL from 200 to 2000 Hz.

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