



21DS115

ND SUBWOOFER

3400 W
continuous program
power capacity

116 mm (4.5 in)
four layer winding
aluminium voice coil

Neodymium magnet
allows a very high force
factor and linear excursion

Double silicone spider with
optimized compliance

Ventilated voice coil gap for
reduced power compression

Aluminium demodulating
ring for very low distortion

99 dB
sensitivity

30 - 1000 Hz
response

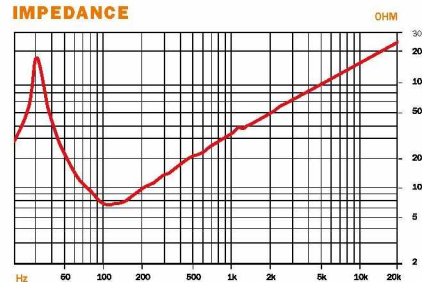
60 mm
peak-to-peak excursion
before damage



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	530 mm (21 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Power Handling	
Nominal (AES) ¹	1700 W
Continuous Program ²	3400 W
Sensitivity (1W/1m) ³	99 dB
Frequency Range	30 - 1000 Hz
Voice Coil Diameter	116 mm (4.5 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Winding Depth	36 mm (1.42 in)
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	0.8 T
Magnet Material	Neodymium Inside Slug
Waterproof Cone Treatment	Both Sides

THIELE & SMALL PARAMETERS⁴

Fs	30 Hz
Re	5.1 Ω
Qes	0.24
Qms	10.0
Qts	0.23
Vas	269.0 dm ³ (9.5 ft ³)
Sd	1680 cm ² (260.4 in ²)
η ₀	3.0 %
X max	± 15 mm
X var	± 16.5 mm
Mms	407 g
Bl	40.8 T·m
Le	4.6 mH
EBP	125 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	547 mm (21.5 in)
Bolt Circle Diameter	527 mm (20.7 in)
Baffle Cutout Diameter	508 mm (20 in)
Depth	255 mm (10.04 in)
Flange and Gasket Thickness	13 mm (0.51 in)
Air volume occupied by driver	15 dm ³ (0.53 ft ³)
Net Weight	14.8 kg (32.63 lb)
Shipping Weight	17.2 kg (37.92 lb)
Shipping Box	570x570x320 mm (22.44x22.44x12.60 in)
Service kit	RCK21DS115-8

Also available in 4 Ω, data upon request

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 100 to 500 Hz.

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