

18SW115

ND SUBWOOFER



3400 W
continuous program
power capacity

116 mm (4.5 in)
split winding
copper voice coil

Double silicone
spider with optimized
compliance

Ventilated voice
coil gap for reduced
power compression

Aluminium
demodulating ring
for very low distortion

97 dB
sensitivity

35 - 1500 Hz
response

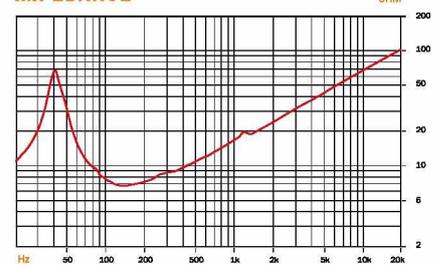
60 mm
peak-to-peak excursion
before damage



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	460 mm (18 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	97 dB
Frequency Range	35-1500 Hz
Voice Coil Diameter	116 mm (4.5 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	34 mm (1.33 in)
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	1.16 T
Magnet Material	Neodymium Inside Slug
Waterproof Cone Treatment	Both Sides

THIELE & SMALL PARAMETERS⁴

Fs	32 Hz
Re	5.3 Ω
Qes	0.32
Qms	5.6
Qts	0.3
Vas	187.0 dm ³ (6.5 ft ³)
Sd	1210 cm ² (187.6 in ²)
η ₀	1.9 %
X max	± 14 mm
X var	± 16 mm
Mms	275 g
Bl	30.3 T·m
Le	1.9 mH
EBP	100 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	443 mm (17.4 in)
Baffle Cutout Diameter	422 mm (16.6 in)
Depth	242 mm (9.5 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	10.5 dm ³ (0.37 ft ³)
Net Weight	13.7 Kg (30.2 lb)
Shipping Weight	13.9 kg (30.6 lb)
Shipping Box	500x500x300 mm (19.68x19.68x11.81 in)
Service kit	RCK18SW115-8

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 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