

18SW100

ND SUBWOOFER



3000 W
continuous program
power capacity

100 mm (4 in)
split winding copper
voice coil

Aluminium
demodulating ring
for very low distortion

Double silicone
spider with optimized
compliance

Ventilated voice
coil gap for reduced
power compression

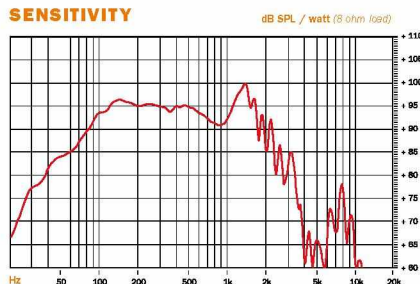
97 dB
sensitivity

35 - 1000 Hz
response

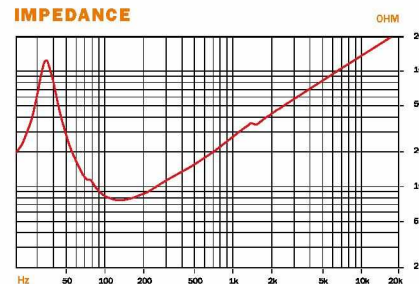
57 mm
peak-to-peak excursion
before damage



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.5 Ω
Power Handling	
Nominal (AES) ¹	1500 W
Continuous Program ²	3000 W
Sensitivity (1W/1m) ³	97 dB
Frequency Range	35 - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	32 mm (1.26 in)
Magnetic Gap Depth	14 mm (0.55 in)
Flux Density	1.15 T
Magnet Material	Neodymium Inside Slug
Waterproof Cone Treatment	Both Sides

THIELE & SMALL PARAMETERS⁴

Fs	35 Hz
Re	5.3 Ω
Qes	0.4
Qms	5.9
Qts	0.38
Vas	180 dm ³ (6.3 ft ³)
Sd	1210 cm ² (187.6 in ²)
η ₀	1.9 %
X max	± 12.5 mm
X var	± 16 mm
Mms	234 g
Bl	26.1 T·m
Le	2.2 mH
EBP	87 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	239 mm (9.41 in)
Flange and Gasket Thickness	16 mm (0.62 in)
Air volume occupied by driver	10 dm ³ (0.35 ft ³)
Net Weight	10 kg (22 lb)
Shipping Weight	11.8 kg (26.01 lb)
Shipping Box	500x500x300 mm (19.68x19.68x11.81 in)
Service kit	RCK18SW100-8

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.