

18TBW100

FE SUBWOOFER



3000 W
continuous program
power capacity

100 mm (4 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

96 dB
sensitivity

35 - 1000 Hz
response

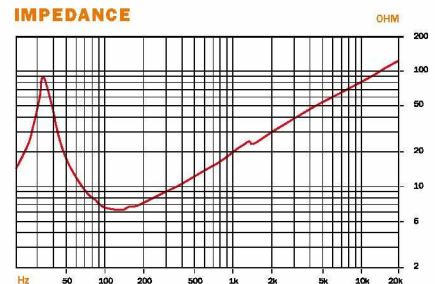
57 mm
peak-to-peak excursion
before damage



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	96 dB
Frequency Range	35 - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	31 mm (1.22 in)
Magnetic Gap Depth	15 mm (0.59 in)
Flux Density	1.15 T
Magnet Material	Ferrite Ring
Waterproof Cone Treatment	Both Sides

THIELE & SMALL PARAMETERS⁴

Fs	35 Hz
Re	5.3 Ω
Qes	0.41
Qms	8
Qts	0.39
Vas	175 dm ³ (6.18 ft ³)
Sd	1210 cm ² (187.6 in ²)
η ₀	1.76 %
X max	± 12 mm
X var	± 14 mm
Mms	245 g
Bl	26.4 T·m
Le	2.45 mH
EBP	85 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	442 mm (17.4 in)
Baffle Cutout Diameter	422 mm (16.6 in)
Depth	241 mm (9.5 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air volume occupied by driver	11 dm ³ (0.39 ft ³)
Net Weight	15.1 kg (33.3 lb)
Shipping Weight	16.8 kg (37 lb)
Shipping Box	500x495x275 mm (19.68x19.48x10.83 in)

Service kit **RCK18TBW100-8**

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.

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 200 to 1000Hz.

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