

15TBW100

FE SUBWOOFER



Double silicone spider with optimized compliance

Ventilated voice coil gap for reduced power compression

Aluminium demodulating ring for very low distortion

3000 W
continuous program
power capacity

100 mm (4 in)
split winding
copper voice coil

96 dB
sensitivity

40 - 1500 Hz
response

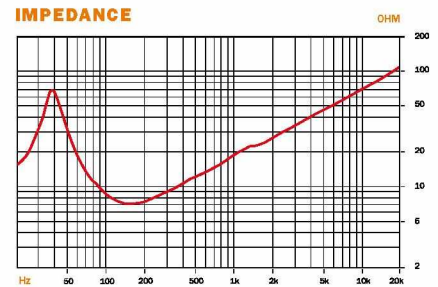
57 mm
peak-to-peak excursion
before damage



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.7 Ω
Power Handling	
Nominal (AES) ¹	1500 W
Continuous Program ²	3000 W
Sensitivity (1W/1m) ³	96 dB
Frequency Range	40 - 1500 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	39 Hz
Re	5.3 Ω
Qes	0.33
Qms	4.4
Qts	0.31
Vas	96 dm ³ (3.39 ft ³)
Sd	855 cm ² (132.5 in ²)
η ₀	1.6 %
X max	± 12 mm
X var	± 13.5 mm
Mms	181 g
Bl	26.4 T·m
Le	2.2 mH
EBP	118 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	191 mm (7.52 in)
Flange and Gasket Thickness	14 mm (0.55 in)
Air volume occupied by driver	6 dm ³ (0.21 ft ³)
Net Weight	14.3 kg (31.5 lb)
Shipping Weight	15.6 kg (34.39 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)
Service kit	RCK15TBW100-8

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 200 to 1000 Hz.

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