

12TBX100

FE SUBWOOFER



2000 W
continuous program
power capacity

100 mm (4 in)
copper voice coil

95 dB
sensitivity

45 - 1000 Hz
response

Aluminium demodulating ring for very low distortion

Double silicone spider with optimized compliance

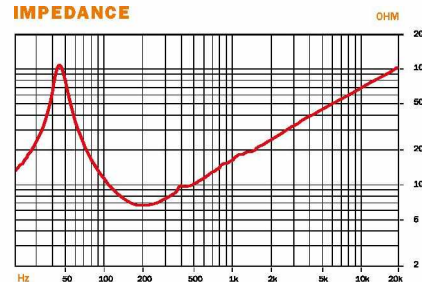
Ventilated voice coil gap for reduced power compression



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	320 mm (12.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.3 Ω
Power Handling	
Nominal (AES) ¹	1000 W
Continuous Program ²	2000 W
Sensitivity (1W/1m) ³	95 dB
Frequency Range	45 - 1500 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	25 mm (1 in)
Magnetic Gap Depth	12 mm (1/2 in)
Flux Density	1.1 T
Magnet Material	Ferrite Ring
Waterproof Cone Treatment	Both Sides

THIELE & SMALL PARAMETERS⁴

Fs	42 Hz
Re	5.1 Ω
Qes	0.27
Qms	6.9
Qts	0.26
Vas	37.5 dm ³ (1.3 ft ³)
Sd	531 cm ² (82.3 in ²)
η ₀	1.15 %
X max	± 9 mm
X var	± 11 mm
Mms	119 g
Bl	25.5 T·m
Le	1.6 mH
EBP	155 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	319 mm (12.5 in)
Bolt Circle Diameter	299 mm (11.8 in)
Baffle Cutout Diameter	281 mm (11.1 in)
Depth	135 mm (5.3 in)
Flange and Gasket Thickness	13 mm (0.5 in)
Air volume occupied by driver	4.2 dm ³ (0.15 ft ³)
Net Weight	11.8 kg (26 lb)
Shipping Weight	12.7 kg (28.0 lb)
Shipping Box	360x360x200 mm (14.17x14.17x7.87 in)

Service kit **RCK12TBX100-8**

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 150 to 1500 Hz.

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