

# 15TBX100

## FE SUBWOOFER



**2000 W**  
continuous program  
power capacity

**100 mm (4 in)**  
copper voice coil

**96 dB**  
sensitivity

**35 - 1500 Hz**  
response

Double silicone spider with optimized compliance

Ventilated voice coil gap for reduced power compression

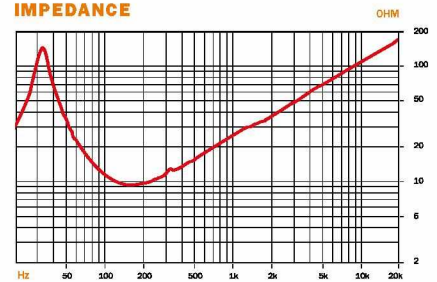
Aluminium demodulating ring for very low distortion



### SENSITIVITY



### IMPEDANCE



### SPECIFICATIONS

Nominal Diameter	380 mm (15 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Power Handling	
Nominal (AES) <sup>1</sup>	1000 W
Continuous Program <sup>2</sup>	2000 W
Sensitivity (1W/1m) <sup>3</sup>	96 dB
Frequency Range	35 - 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 PARAMETERS<sup>4</sup>

Fs	35 Hz
Re	5.1 Ω
Qes	0.3
Qms	5.2
Qts	0.28
Vas	113 dm <sup>3</sup> (3.8 ft <sup>3</sup> )
Sd	855 cm <sup>2</sup> (132.5 in <sup>2</sup> )
η <sub>o</sub>	1.95 %
X max	± 9 mm
X var	± 11 mm
Mms	163 g
Bl	25.5 T·m
Le	1.6 mH
EBP	116 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	181 mm (7.1 in)
Flange and Gasket Thickness	16 mm (0.62 in)
Air volume occupied by driver	5.4 dm <sup>3</sup> (0.19 ft <sup>3</sup> )
Net Weight	12.3 kg (27.1 lb)
Shipping Weight	13.6 kg (29.98 lb)
Shipping Box	425x425x224 mm (16.73x16.73x8.82 in)
Service kit	RCK15TBX100-8

Also available in 4 Ω, data upon request

<sup>1</sup> 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.

<sup>2</sup> Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

<sup>3</sup> Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.

Average SPL from 150 to 1500 Hz.  
<sup>4</sup> Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.