

# 15TBX100

## LF Drivers - 15.0 Inches

2000 W continuous program power capacity

100 mm (4 in) copper voice coil

35 - 1500 Hz response

96 dB sensitivity

Aluminium demodulating ring allows a very low distortion figure

Double silicone spider with optimized compliance

Ventilated voice coil gap for reduced power compression



## Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.2 Ω
Nominal power handling <sup>1</sup>	1000 W
Continuous power handling <sup>2</sup>	2000 W
Sensitivity (1W/1m) <sup>3</sup>	96.0 dB
Frequency range	35 - 1500 Hz
Voice coil diameter	100 mm (4.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	25 mm (1.0 in)
Magnetic gap depth	12 mm (0.5 in)
Flux density	1.1 T

## Design

Surround shape	Triple Roll
Cone shape	Radial
Magnet material	Ferrite

## Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	TWP Waterproof Both Sides
Recommended enclosure	114.0 dm <sup>3</sup> (4.03 ft <sup>3</sup> )
Recommended tuning	35 Hz

## Parameters<sup>4</sup>

Fs	35 Hz
Re	5.1 Ω
Qes	0.3
Qms	5.2
Qts	0.28
Vas	113.0 dm <sup>3</sup> (3.8 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.5 in <sup>2</sup> )
η <sub>o</sub>	1.95 %
X <sub>max</sub>	9.0 mm
X <sub>var</sub>	11.0 mm
M <sub>ms</sub>	163 g
Bl	25.5 Txm

## Parameters

Le	1.6 mH
EBP	116 Hz

## Mounting And Shipping Info

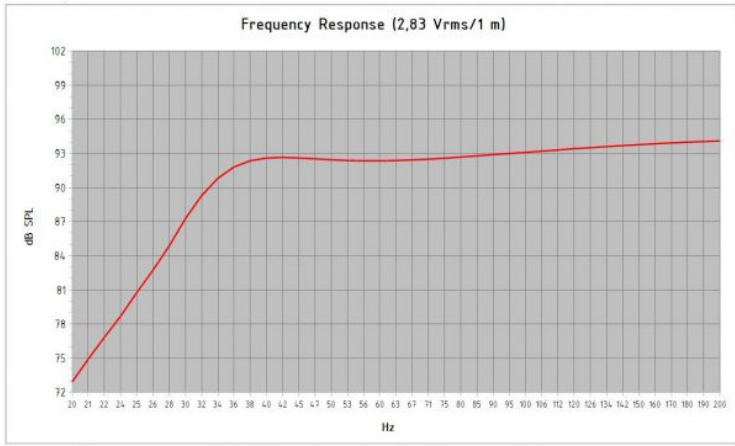
Overall diameter	393 mm (15.5 in)
Bolt circle diameter	374 mm (14.7 in)
Baffle cutout diameter	354.0 mm (13.9 in)
Depth	181 mm (7.1 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	5.4 dm <sup>3</sup> (0.19 ft <sup>3</sup> )
Net weight	12.3 kg (27.1 lb)
Shipping weight	13.9 kg (30.6 lb)
Shipping box	420x420x200 mm (16.5x16.5x7.9 in)

## Service Kit

RCK15TBX1008

1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the 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.
4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.



Model: **15 TBX 100**  
Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters): **114**  
Tuning Frequency (Hz): **35** Port Area (cm<sup>2</sup>): **222.3**  
Frequency (-3 dB) (Hz): **35.6** Port Length (cm): **33.2**

Excursion Limited Maximum SPL at 1 meter (dB): **118.8** equal to **334.5** Watts (Bass Band Power Rating)  
Thermal Limited Maximum SPL at 1 meter (dB): **123.5** equal to **1000.0** Watts (Mid Band Power Rating)