

# 18TBX100

## LF Drivers FE - 18.0 Inches

2400 W continuous program power capacity  
100 mm (4 in) copper voice coil  
35 - 1000 Hz response  
97 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	460 mm (18.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.2 Ω
Nominal power handling <sup>1</sup>	1200 W
Continuous power handling <sup>2</sup>	2400 W
Sensitivity (1W/1m) <sup>3</sup>	97.0 dB
Frequency range	35 - 1000 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	Ceramic

### Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	TWP Waterproof Both Sides
Recommended enclosure	200.0 dm <sup>3</sup> (7.06 ft <sup>3</sup> )
Recommended tuning	34 Hz

### Parameters<sup>4</sup>

Fs	34 Hz
Re	5 Ω
Qes	0.37
Qms	7.2
Qts	0.35
Vas	212.0 dm <sup>3</sup> (7.5 ft <sup>3</sup> )
Sd	1210.0 cm <sup>2</sup> (187.6 in <sup>2</sup> )
η <sub>o</sub>	2.2 %
X <sub>max</sub>	9.0 mm
X <sub>var</sub>	11.0 mm
M <sub>ms</sub>	209 g
Bl	25.5 Txm

### Parameters

Le	1.6 mH
EBP	91 Hz

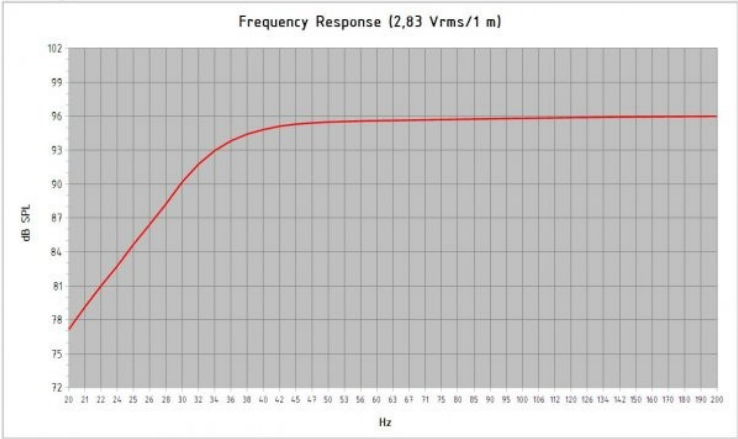
### Mounting And Shipping Info

Overall diameter	460 mm (18.0 in)
Bolt circle diameter	440 mm (17.3 in)
Baffle cutout diameter	422.0 mm (16.6 in)
Depth	209 mm (8.2 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	10.5 dm <sup>3</sup> (0.37 ft <sup>3</sup> )
Net weight	13.0 kg (28.6 lb)
Shipping units	1
Shipping weight	14.4 kg (31.7 lb)
Shipping box	500x500x250 mm (19.7x19.7x9.8 in)

### Service Kit

Replacement diaphragm	RCK18TBX1008
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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:	18 T&X 100			
Enclosure Type:	Bass Reflex			
Internal Net Volume (Liters):	200	Port Area (cm²):	339.6	
Tuning Frequency (Hz):	34	Port Length (cm):	26.0	
Frequency (-3 dB) (Hz):	34.3			
Excursion Limited Maximum SPL at 1 meter (dB):	120.3	equal to	340.4	Watts (Bass Band Power Rating)
Thermal Limited Maximum SPL at 1 meter (dB):	125.8	equal to	1200.0	Watts (Mid Band Power Rating)