

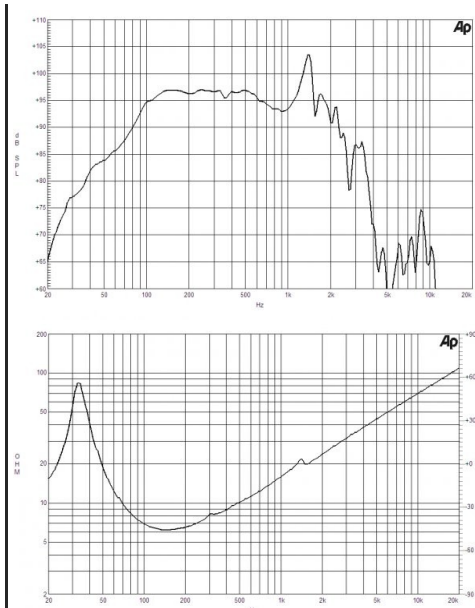


# 18TBX100

## LF Drivers - 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 $\Omega$       |
| Minimum impedance                      | 6.2 $\Omega$     |
| 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       | 5.1 $\Omega$                                    |
| 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> ) |
| $\eta_0$ | 2.2 %   |
| Xmax     | 9.0 mm  |
| Xvar     | 11.0 mm   |
| Mms      | 209 g   |
| Bl       | 25.5 Txm  |

### Parameters

|     |        |
|-----|--------|
| Le  | 1.6 mH |
| EBP | 91 Hz  |

### Mounting And Shipping Info

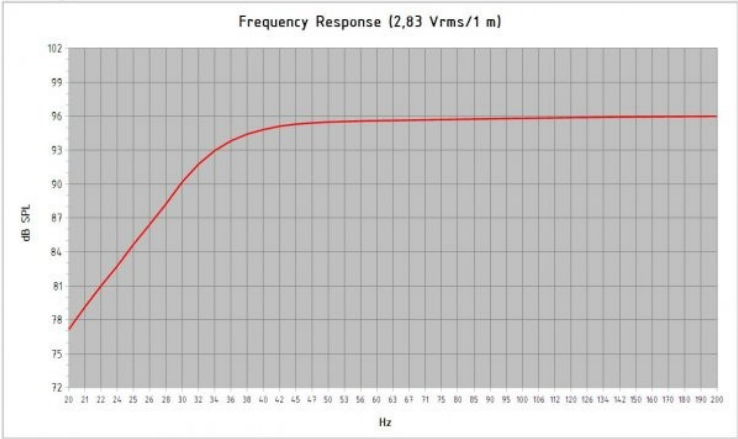
|                               |  |
|-------------------------------|--|
| Overall diameter              | 460 mm (18.0 in)                             |
| Bolt circle diameter          | 440 mm (17.3 in)                             |
| Baffle cutout diameter        | 422.0 mm (16.6 in)                           |
| 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

|              |
|--------------|
| RCK18TBX1008 |
|--------------|

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         |                   |                                      |
| Tuning Frequency (Hz):                         | 34          | Port Area (cm²):  | 339.6                                |
| Frequency (-3 dB) (Hz):                        | 34.3        | Port Length (cm): | 26.0                                 |
| 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) |