

# 18TBW100

## LF Drivers - 18 Inches

3000 W continuous program power capacity  
 100 mm (4 in) split winding copper voice coil  
 35 - 1000 Hz response  
 96 dB sensitivity  
 57 mm peak-to-peak excursion before damage  
 Double silicone spider with optimized compliance  
 Ventilated voice coil gap for reduced power compression  
 Aluminium demodulating ring for very low distortion



### Specification

|                              |                 |
|------------------------------|-----------------|
| Nominal Diameter             | 460 mm (18 in)  |
| Nominal Impedance            | 8 ohm           |
| Minimum Impedance            | 6.5 ohm         |
| Continuous Power Handling    | 3000 W          |
| Nominal Power Handling (AES) | 1500 W          |
| Sensitivity (1W/1m)          | 96 dB           |
| Frequency Range              | 35 - 1000 Hz    |
| Voice Coil Diameter          | 100 mm (4 in)   |
| Winding Material             | Copper          |
| Former Material              | Glass Fibre     |
| Magnet Material              | Ceramic Ring    |
| Winding Depth                | 31 mm (1.22 in) |
| Magnetic Gap Depth           | 15 mm (0.59 in) |
| Flux Density                 | 1.15 T          |

### Design

|                |                 |
|----------------|-----------------|
| Surround Shape | Triple Roll     |
| Cone Shape     | Radial          |
| Magnet Type    | Ceramic Ring    |
| Spider         | Double Silicone |

### Design

|                              |   |
|------------------------------|---|
| Pole Design                  | T-Pole                                      |
| Woofer Cone Treatment        | TWP Waterproof Both Sides                   |
| Recommended Enclosure volume | 200 dm <sup>3</sup> (7.06 ft <sup>3</sup> ) |
| Recommended tuning frequency | 32 Hz                                       |

### Parameters

|         |   |
|---------|---|
| Fs      | 35 Hz   |
| Re      | 5.3 ohm                                       |
| Qes     | 0.41  |
| Qms     | 8   |
| Qts     | 0.39  |
| Vas     | 175 dm <sup>3</sup> (6.18 ft <sup>3</sup> )   |
| Sd      | 1210 cm <sup>2</sup> (187.6 in <sup>2</sup> ) |
| EtaZero | 1.76 %  |
| Xmax    | +/- 12 mm                                     |
| Xvar    | +/- 14 mm                                     |
| Mms     | 245 g   |
| Bl      | 26.4 Txm                                      |

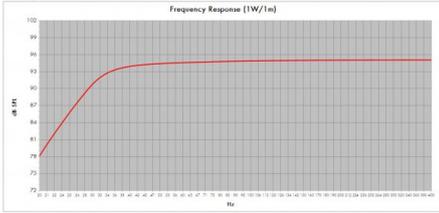
### Parameters

|     |         |
|-----|---------|
| Le  | 2.45 mH |
| EBP | 85 Hz   |

### Mounting & Shipping

|                               |  |
|-------------------------------|--|
| Overall Diameter              | 460 mm (18 in)                             |
| Bolt Circle Diameter          | 442 mm (17.4 in)                           |
| Baffle Cutout Diameter        | 422 mm (16.6 in)                           |
| Depth                         | 241 mm (9.5 in)                            |
| Flange and Gasket Thickness   | 15.5 mm (0.61 in)                          |
| Air volume occupied by driver | 11 dm <sup>3</sup> (0.39 ft <sup>3</sup> ) |
| Net Weight                    | 15.1 kg (33.3 lb)                          |
| Shipping Weight               | 16.6 kg (36.6 lb)                          |
| Shipping Box                  | 500x500x250 mm (19.7x19.7x9.8 in)          |

|             |     |
|-------------|-----|
| Service kit | TBA |
|-------------|-----|



Model: **1818W100**  
Driver Type: **Pass Radiator** Configuration: **One Driver**  
Internal Net Volume (liters): **200**  
Tuning Frequency (Hz): **32** Port Area (cm<sup>2</sup>): **239.6**  
Frequency (3 dB) (Hz): **22.2** Port Length (cm): **31.2**