

# 15TBW100

## LF Drivers FE - 15.0 Inches

- 3000 W continuous program power capacity
- 100 mm (4 in) split winding copper voice coil
- 40 - 1500 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



### Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.7 Ω
Nominal power handling	1500 W
Continuous power handling	3000 W
Sensitivity (1W/1m)	96.0 dB
Frequency range	40 - 1500 Hz
Voice coil diameter	100 mm (4.0 in)
Winding material	Copper
Former material	Glass Fibre
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 material	Ceramic

### Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	TWP Waterproof Both Sides
Recommended enclosure	95.0 dm <sup>3</sup> (3.35 ft <sup>3</sup> )
Recommended tuning	40 Hz

### Parameters

Fs	39 Hz
Re	5 Ω
Qes	0.33
Qms	4.4
Qts	0.31
Vas	96.0 dm <sup>3</sup> (3.39 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.5 in <sup>2</sup> )
η <sub>p</sub>	1.6 %
X <sub>mas</sub>	12.0 mm
X <sub>var</sub>	13.5 mm
M <sub>ms</sub>	181 g
Bl	26.4 Txm

### Parameters

Le	2.2 mH
Ebp	118 Hz

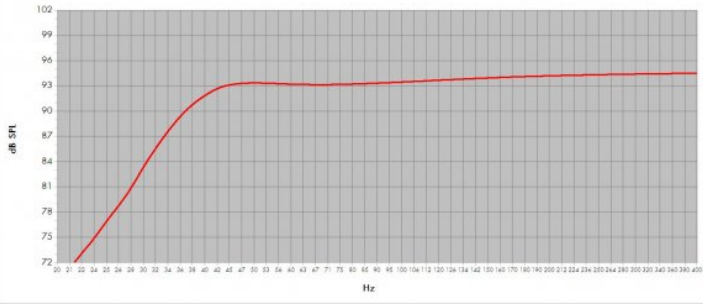
### Mounting And Shipping Info

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	195 mm (7.68 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	6.0 dm <sup>3</sup> (0.21 ft <sup>3</sup> )
Net weight	14.3 kg (31.5 lb)
Shipping units	1
Shipping weight	15.8 kg (34.8 lb)
Shipping box	420x420x200 mm (16.5x16.5x7.9 in)

### Other

Service kit	RCK15TBW1008
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Frequency Response (1W/1m)



Model: **15TBW100**  
 Enclosure Type: **Bass Reflex** Configuration: **One Driver**  
 Internal Net Volume [litres]: **95** Q<sub>B</sub>: **7**  
 Tuning Frequency [Hz]: **40** Port Area [cm<sup>2</sup>]: **277,5**  
 Frequency (-3 dB) [Hz]: **39,6** Port Length [cm]: **38,6**

Excursion Limited Maximum SPL at 1 meter [dB]: **122,7** equal to **773,2** Watts (Bass Band Power Rating)  
 Thermal Limited Maximum SPL at 1 meter [dB]: **126,3** equal to **1500,0** Watts (Mid Band Power Rating)