

18TBX100

FE SUBWOOFER



2400 W
continuous program
power capacity

100 mm (4 in)
copper voice coil

97 dB
sensitivity

35 - 1000 Hz
response

Double silicone spider with optimized compliance

Ventilated voice coil gap for reduced power compression

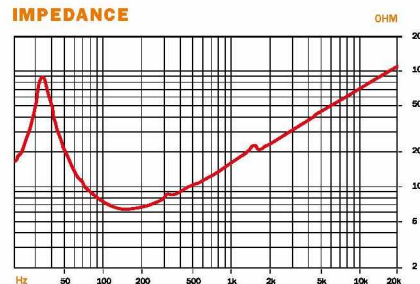
Aluminium demodulating ring for very low distortion



SENSITIVITY



IMPEDANCE



SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Power Handling	
Nominal (AES) ¹	1200 W
Continuous Program ²	2400 W
Sensitivity (1W/1m) ³	97 dB
Frequency Range	35 - 1000 Hz
Voice Coil Diameter	100 mm (4 in)
Winding Material	Copper
Former Material	Glass Fibre
Winding Depth	25 mm (1 in)
Magnetic Gap Depth	12 mm (0.5 in)
Flux Density	1.1 T
Magnet Material	Ferrite Ring
Waterproof Cone Treatment	Both Sides

THIELE & SMALL PARAMETERS⁴

Fs	34 Hz
Re	5.1 Ω
Qes	0.37
Qms	7.2
Qts	0.35
Vas	212 dm ³ (7.5 ft ³)
Sd	1210 cm ² (187.6 in ²)
η ₀	2.2 %
X max	± 9 mm
X var	± 11 mm
Mms	209 g
Bl	25.5 T·m
Le	1.6 mH
EBP	91 Hz

MOUNTING AND SHIPPING INFORMATION

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	440 mm (17.3 in)
Baffle Cutout Diameter	422 mm (16.6 in)
Depth	209 mm (8.2 in)
Flange and Gasket Thickness	16 mm (5/8 in)
Air volume occupied by driver	10.5 dm ³ (0.37 ft ³)
Net Weight	13 kg (28.6 lb)
Shipping Weight	14.4 kg (31.7 lb)
Shipping Box	500x495x275 mm (19.68x19.48x10.83 in)
Service kit	RCK18TBX100-8

Also available in 4 and 16 Ω, data upon request

¹ Two hour test made with continuous pink noise signal (6 dB crest factor) within the specified 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.

Average SPL from 100 to 1000 Hz.

⁴ Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.