



18TBX100

18 inch low frequency driver

Features:

2400 W continuous program power capacity

100 mm (4 in) copper voice coil

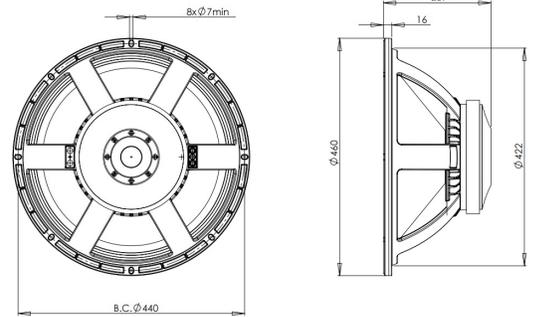
35 - 1000 Hz response

SPECIFICATIONS

Nominal Diameter	460 mm (18.0 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.2 Ω
Nominal Power Handling ¹	1200 W
Continuous Power Handling ²	2400 W
Sensitivity ³	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	25.0 mm (1.0 in)
Magnetic Gap Depth	12.0 mm (0.5 in)
Flux Density	1.1 T

PARAMETERS⁴

Resonance Frequency	34 Hz
Re	5.1 Ω
Qes	0.37
Qms	7.2
Qts	0.35
Vas	212.0 dm ³ (7.5 ft ³)
Sd	1210.0 cm ² (187.6 in ²)
η _o	2.2 %
X _{max}	9.0 mm
X _{var}	11.0 mm
M _{ms}	209.0 g
Bl	25.5 Txm
Le	1.6 mH
EBP	91 Hz

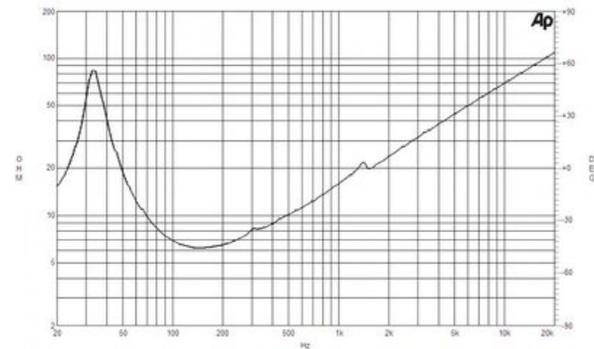
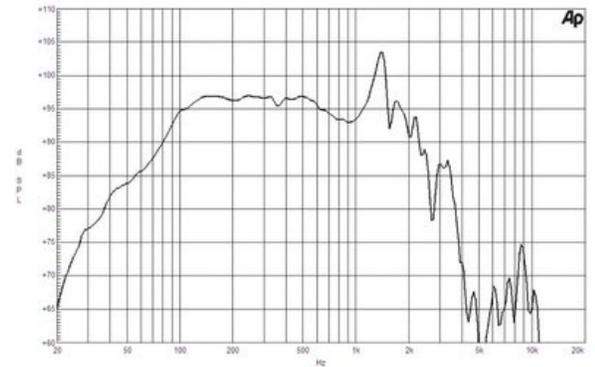


MOUNTING AND SHIPPING INFO

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 ³ (0.37 ft ³)
Net Weight	13.0 kg (28.6 lb)
Shipping Units	1
Shipping Weight	14.6 kg (32.19 lb)
Shipping Box	500x495x275 mm (19.69x19.49x10.83 in)

DESIGN

Surround Shape	Triple Roll
Cone Shape	Radial
Magnet Material	Ferrite
Spider	Double Silicone
Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure	200.0 dm ³ (7.06 ft ³)
Recommended Tuning	34 Hz



1. 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated nominal 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.