



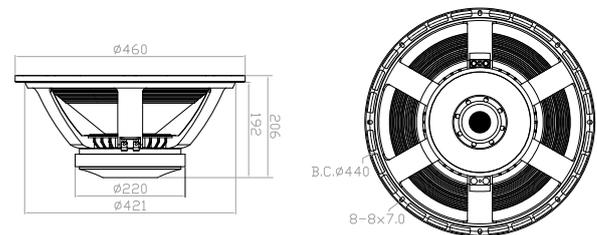
18SW100-8TX ^{4Ω Available} BASS/MID RANGE DRIVER



KEY FEATURES

- 97dB 1W/1m sensitivity
- 1200W AES power handling
- 35Hz-1kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING



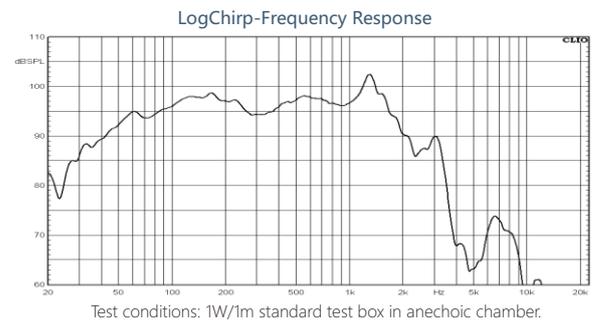
GENERAL SPECIFICATIONS

Part Number	18SW100-8TX
Nominal Diameter	460mm (18in)
Nominal Impedance	8Ω
Minimum Impedance	6.7Ω
AES Power Handling ¹	1200W
Maximum Power Handling ²	2400W
Sensitivity (1W/1m) ³	97dB
Resonance Frequency	35Hz
Frequency Range	35Hz-1kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	28.6mm
Magnetic Gap Depth	12mm
X _{max} ⁴	12.3mm
Flux Density	1.1T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	12.3kg

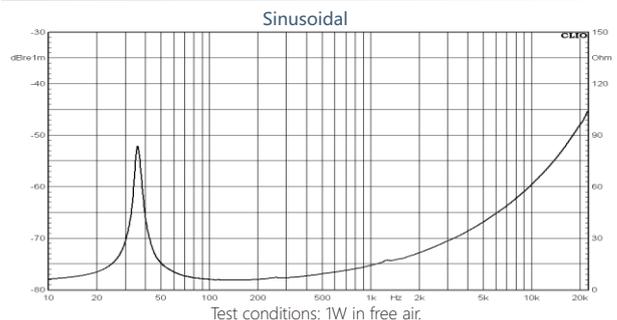
TS Parameters⁵

F _s	36Hz	Q _{ms}	8.2
R _e	5.3Ω	Q _{es}	0.47
L _e	0.96mH	Q _{ts}	0.44
M _{ms}	225g	V _{as}	178L
M _{md}	201g	Ref. Efficiency	1.8%
C _{ms}	0.09mm/N	S _d	1225cm ²
BL	24Tm	EBP	77Hz

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



NOTES

1. Two hours test according to AES 2-1984 Rev. 2003.
Power calculated on rated minimum impedance.
2. Maximum power is defined as 3dB greater than Nominal power.
3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.
4. X_{max}=(winding depth-magnetic gap depth)/2)+(magnetic gap depth/3).
5. Thiele-Small parameters are measured after a preconditioning test.
6. Power test by continuous pink noise signal within the frequency range.