



18SW115-8RF

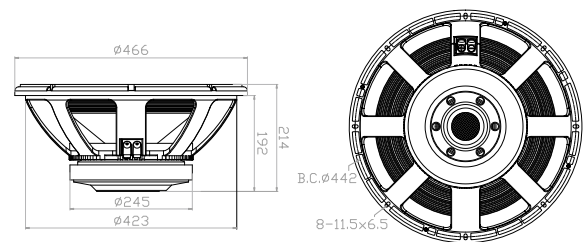
BASS/MID RANGE DRIVER



KEY FEATURES

- 97dB 1W/1m sensitivity
- 1700W AES power handling
- 35Hz-1kHz frequency response
- 114.2mm (4.5in) copper voice coil
- 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



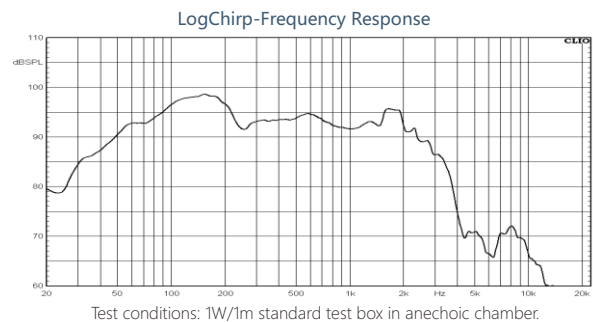
GENERAL SPECIFICATIONS

Part Number	18SW115-8RF
Nominal Diameter	466mm (18in)
Nominal Impedance	8Ω
Minimum Impedance	7.2Ω
AES Power Handling ¹	1700W
Maximum Power Handling ²	3400W
(1W/1m) Sensitivity (1W/1m) ³	97dB
Resonance Frequency	35Hz
Frequency Range	35Hz-1kHz
Voice Coil Diameter	114.2mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	33mm
Magnetic Gap Depth	15mm
Xmax ⁴	14mm
Flux Density	1.05T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	15.5kg

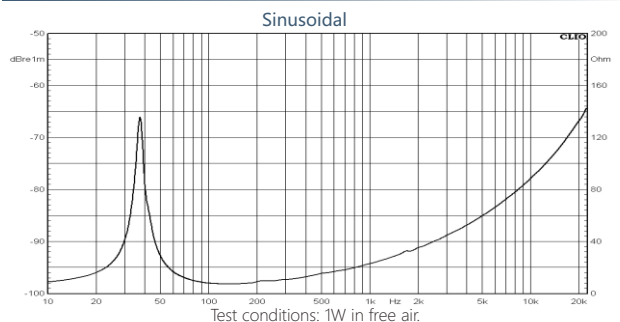
TS Parameters⁵

Fs	37Hz	Qms	8.0
Re	5.4Ω	Qes	0.33
Le	2.7mH	Qts	0.31
Mms	257g	Vas	147L
Mmd	233g	Ref. Efficiency	2.2%
Cms	0.07mm/N	Sd	1225cm ²
BL	31.4Tm	EBP	110Hz

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. Xmax=[(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.