



12W75-8S

BASS/MID RANGE DRIVER



GENERAL SPECIFICATIONS

Part Number	12W75-8S
Nominal Diameter	311mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	7.0Ω
AES Power Handling ¹	350W
Maximum Power Handling ²	700W
Sensitivity (1W/1m) ³	97dB
Resonance Frequency	50Hz
Frequency Range	50Hz-3kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	16.4mm
Magnetic Gap Depth	8mm
X _{max} ⁴	6.9mm
Flux Density	1.1T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	5.3kg

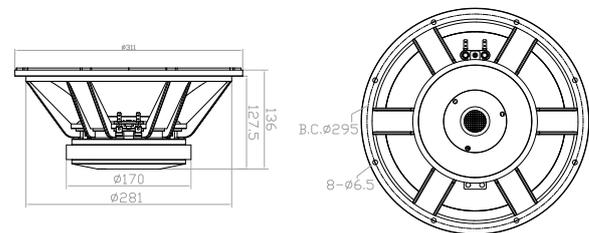
TS Parameters⁵

F _s	51Hz	Q _{ms}	5.0
R _e	5.6Ω	Q _{es}	0.42
L _e	0.51mH	Q _{ts}	0.39
M _{ms}	57g	V _{as}	71L
M _{md}	50g	Ref. Efficiency	2.2%
C _{ms}	0.17mm/N	S _d	551cm ²
BL	15.6Tm	EBP	121Hz

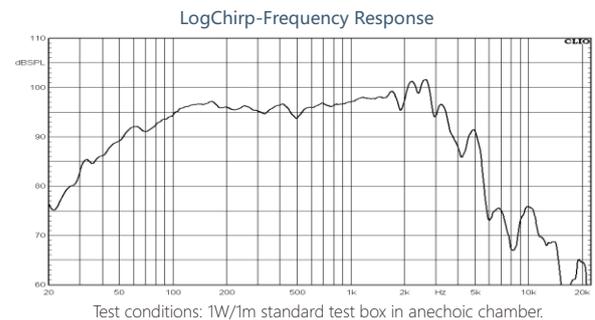
KEY FEATURES

- 97dB 1W/1m sensitivity
- 350W AES power handling
- 50Hz-3kHz frequency response
- 75.55mm (3.0in) copper clad aluminum voice coil
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems

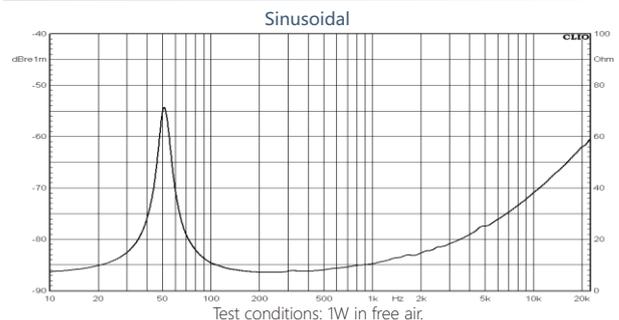
MECHANICAL DRAWING



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.