



06W50-8S

BASS/MID RANGE DRIVER



GENERAL SPECIFICATIONS

Part Number	06W50-8S
Nominal Diameter	175mm (6in)
Nominal Impedance	8Ω
Minimum Impedance	6.0Ω
AES Power Handling ¹	150W
Maximum Power Handling ²	300W
Sensitivity (1W/1m) ³	90dB
Resonance Frequency	85Hz
Frequency Range	85Hz-4kHz
Voice Coil Diameter	49.55mm
Winding Material	Copper
Former Material	Polyimide
Winding Depth	12.6mm
Magnetic Gap Depth	8mm
Xmax ⁴	4.9mm
Flux Density	0.85T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.3kg

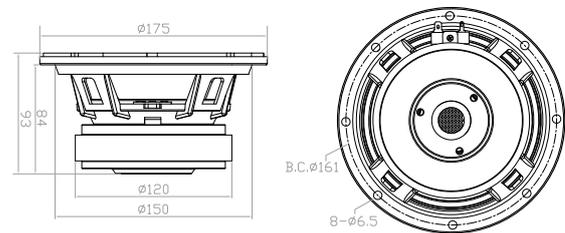
TS Parameters⁵

Fs	87Hz	Qms	7.6
Re	5.7Ω	Qes	0.77
Le	0.44mH	Qts	0.70
Mms	20g	Vas	4.6L
Mmd	19g	Ref. Efficiency	0.38%
Cms	0.16mm/N	Sd	143cm ²
BL	9.1Tm	EBP	113Hz

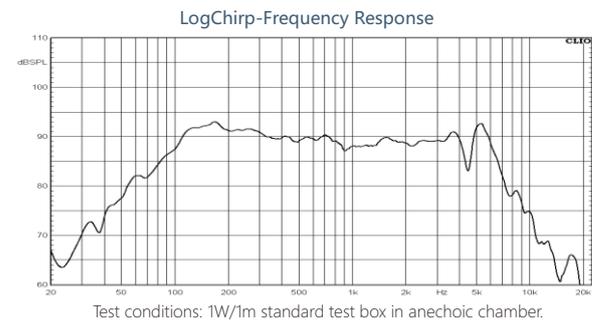
KEY FEATURES

- 90dB 1W/1m sensitivity
- 150W AES power handling
- 85Hz-4kHz frequency response
- 49.55mm (2.0in) copper voice coil
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems and multi-way systems

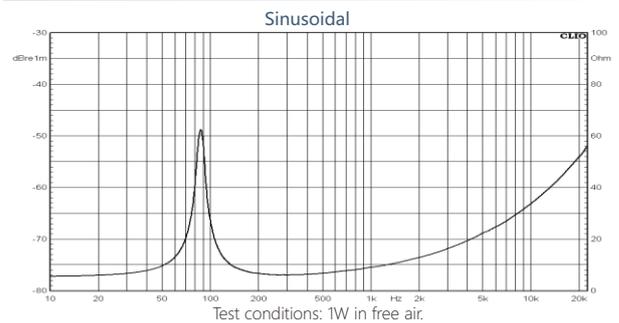
MECHANICAL DRAWING



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. 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.