



15W75-8XHC

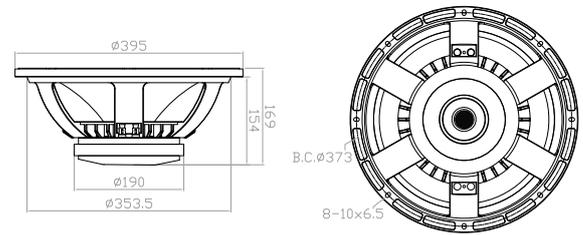
BASS/MID RANGE DRIVER



KEY FEATURES

- 99dB 1W/1m sensitivity
- 500W AES power handling
- 48Hz-2.5kHz frequency response
- 75.55mm (3.0in) copper voice coil
- Aluminum demodulating ring for lower distortion
- Ventilated voice coil gap for reduced power compression
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems

MECHANICAL DRAWING



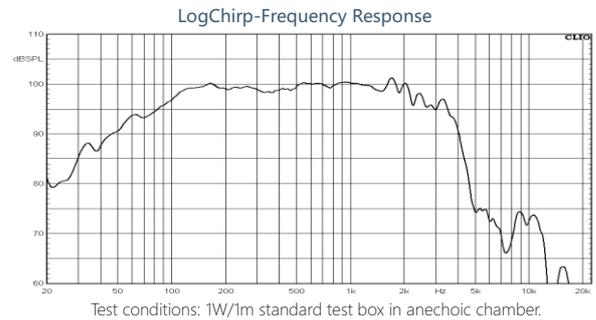
GENERAL SPECIFICATIONS

Part Number	15W75-8XHC
Nominal Diameter	395mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	6.2Ω
AES Power Handling ¹	500W
Maximum Power Handling ²	1000W
Sensitivity (1W/1m) ³	99dB
Resonance Frequency	48Hz
Frequency Range	48Hz-2.5kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	16mm
Magnetic Gap Depth	11mm
Xmax ⁴	6.2mm
Flux Density	1.15T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	8.0kg

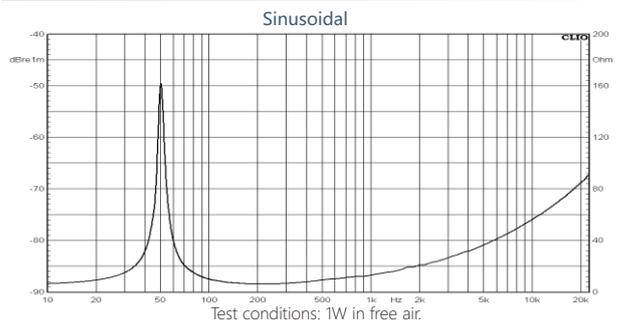
TS Parameters⁵

Fs	50Hz	Qms	11.2
Re	5.5Ω	Qes	0.39
Le	0.73mH	Qts	0.38
Mms	109g	Vas	100L
Mmd	95g	Ref. Efficiency	3.1%
Cms	0.09mm/N	Sd	882cm ²
BL	22Tm	EBP	128Hz

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.