



## 12W75-8XHP

BASS/MID RANGE DRIVER



### GENERAL SPECIFICATIONS

Part Number	12W75-8XHP
Nominal Diameter	316mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	6.2Ω
AES Power Handling <sup>1</sup>	450W
Maximum Power Handling <sup>2</sup>	900W
Sensitivity (1W/1m) <sup>3</sup>	98dB
Resonance Frequency	52Hz
Frequency Range	52Hz-3kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	18.5mm
Magnetic Gap Depth	11mm
Xmax <sup>4</sup>	7.4mm
Flux Density	1.15T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	7.2kg

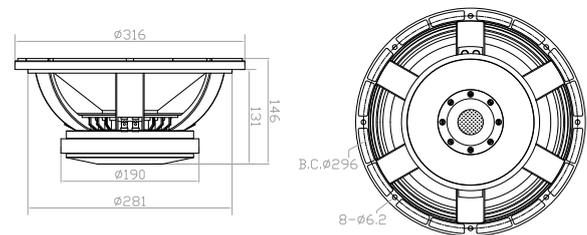
### TS Parameters<sup>5</sup>

Fs	53Hz	Qms	7.6
Re	5.1Ω	Qes	0.32
Le	0.54mH	Qts	0.31
Mms	62g	Vas	56L
Mmd	55g	Ref. Efficiency	2.5%
Cms	0.14mm/N	Sd	531cm <sup>2</sup>
BL	18.1Tm	EBP	165Hz

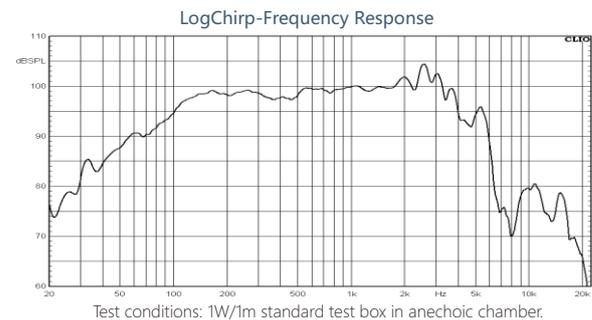
### KEY FEATURES

- 98dB 1W/1m sensitivity
- 450W AES power handling
- 52Hz-3kHz frequency response
- 75.55mm (3.0in) copper clad aluminum 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

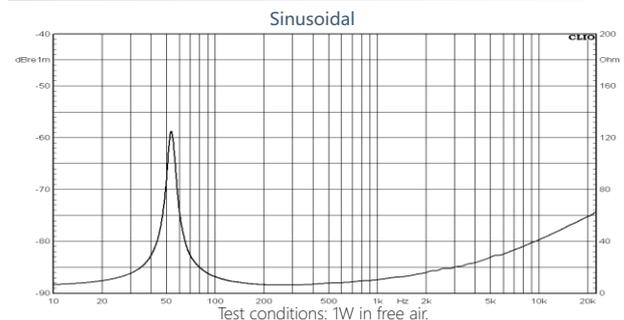
### MECHANICAL DRAWING



### 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.