



## 12W75-8NX<sub>16Ω</sub> Available BASS/MID RANGE DRIVER



### GENERAL SPECIFICATIONS

Part Number	12W75-8NX
Nominal Diameter	318mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	6.3Ω
AES Power Handling <sup>1</sup>	500W
Maximum Power Handling <sup>2</sup>	1000W
Sensitivity (1W/1m) <sup>3</sup>	100dB
Resonance Frequency	50Hz
Frequency Range	50Hz-2.5kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	19.2mm
Magnetic Gap Depth	11mm
X <sub>max</sub> <sup>4</sup>	7.9mm
Flux Density	1.3T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	5.1kg

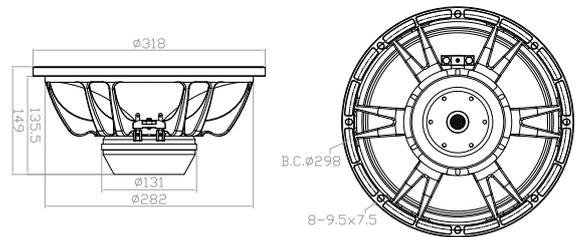
### TS Parameters<sup>5</sup>

F <sub>s</sub>	50Hz	Q <sub>ms</sub>	6.9
R <sub>e</sub>	5.2Ω	Q <sub>es</sub>	0.21
L <sub>e</sub>	0.53mH	Q <sub>ts</sub>	0.20
M <sub>ms</sub>	72g	V <sub>as</sub>	54L
M <sub>md</sub>	65g	Ref. Efficiency	3.2%
C <sub>ms</sub>	0.14mm/N	S <sub>d</sub>	531cm <sup>2</sup>
BL	24Tm	EBP	238Hz

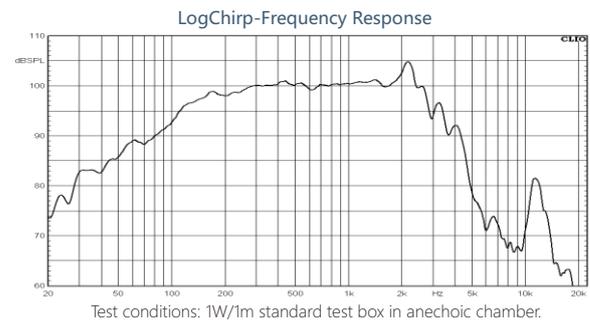
### KEY FEATURES

- 100dB 1W/1m sensitivity
- 500W AES power handling
- 50Hz-2.5kHz frequency response
- 75.55mm (3.0in) copper voice coil
- Lightweight neodymium ring motor system
- Aluminum demodulating ring for lower distortion
- Ventilated voice coil gap for reduced power compression
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and compact two way systems

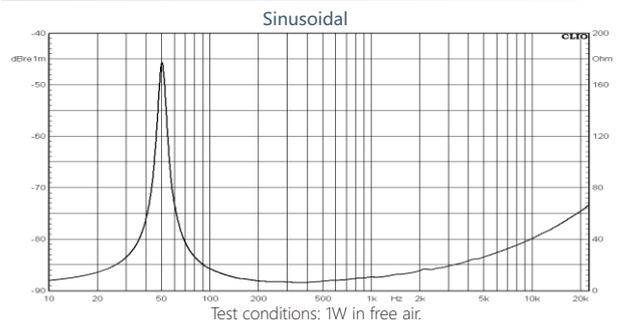
### MECHANICAL DRAWING



### 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<sub>max</sub>=[(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.