



10W65-8NX_{16Ω} Available BASS/MID RANGE DRIVER



GENERAL SPECIFICATIONS

Part Number	10W65-8NX
Nominal Diameter	261mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	7.2Ω
AES Power Handling ¹	300W
Maximum Power Handling ²	600W
Sensitivity (1W/1m) ³	97dB
Resonance Frequency	60Hz
Frequency Range	60Hz-3.5kHz
Voice Coil Diameter	65.5mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	14.5mm
Magnetic Gap Depth	8mm
X _{max} ⁴	5.9mm
Flux Density	1.25T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Inside Slug
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.9kg

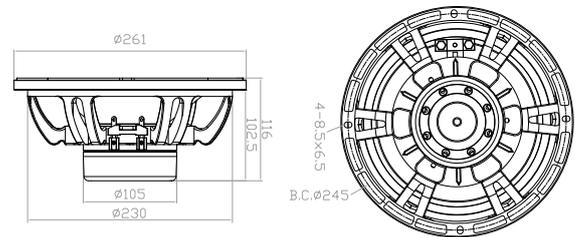
TS Parameters⁵

F _s	63Hz	Q _{ms}	2.9
R _e	5.6Ω	Q _{es}	0.34
L _e	0.42mH	Q _{ts}	0.31
M _{ms}	36g	V _{as}	30L
M _{md}	32g	Ref. Efficiency	2.1%
C _{ms}	0.18mm/N	S _d	346cm ²
BL	15.2Tm	EBP	185Hz

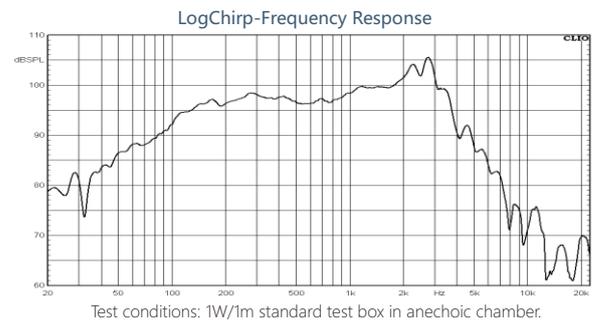
KEY FEATURES

- 97dB 1W/1m sensitivity
- 300W AES power handling
- 60Hz-3.5kHz frequency response
- 65.5mm (2.5in) copper clad aluminum voice coil
- Lightweight neodymium inside slug motor system
- 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

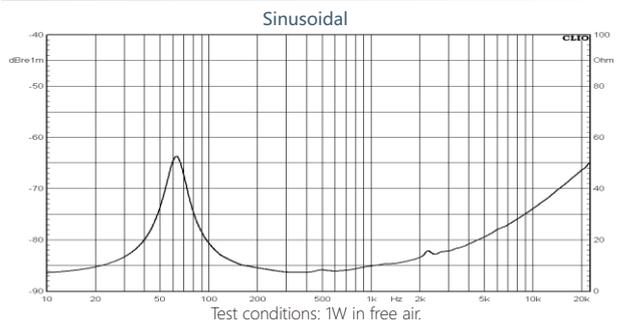
MECHANICAL DRAWING



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_{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.