Vivid Acoustics

Coaxial Driver

PRODUCT SPECIFICATIONS

Vivid Acoustics Technology Co., Ltd.

2026

Vivid Acoustics

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Updated on 2026.1

Company Profile

Product Model

Company Profile
Software Capabilities

Established: Since Sep.2017

Industrial Background: Our core team brings over twenty years of professional experience in loudspeaker development and manufacturing. The chief engineer, an alumnus of OUC (one of China's most prestigious electro-acoustic institutions), has designed transducers for numerous international brands by combining academic expertise with practical experience.

Product Range: Pro Audio high-frequency compression drivers, low-frequency woofers and coaxial loudspeakers, etc.

Annual Yield: 240,000pcs woofers, 96,000pcs compression drivers and coaxial loudspeakers.

Area Occupied: 2,500 m2 manufacturing facility

Certification: ISO/9001:2015 quality management system

Patents: 2 invention patents, 3 utility model patents, 3 design patents

Design Capabilities:Acoustics:

Comsol/FINEMotor/FEMM/Klippel/Clio
Mechanical: Auto-CAD/Pro-E/Solidworks
Graphic: Photoshop/AI/CorelDRAW

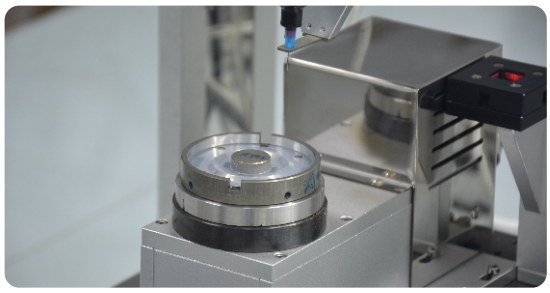
Production and QC:

Implementing full-process quality control with 100% online inspection to ensure zero defect outflow. All products are labeled and packaged according to customer specifications.

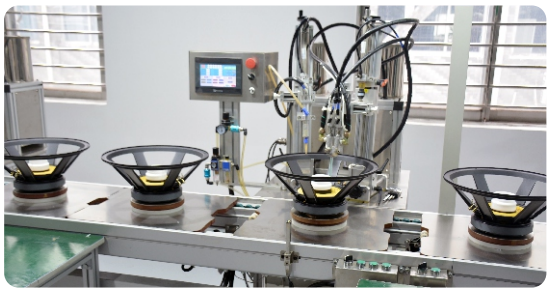
Facilities:

4-axis robot dispensing machine for precision compression driver assembly.
Automated production line for woofer manufacturing.
Experienced production supervisors with 15+ years in PA manufacturing, possessing exceptional process risk anticipation capabilities.

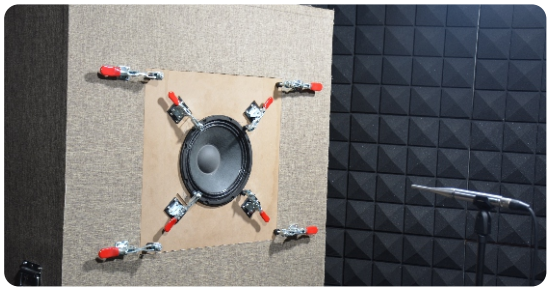
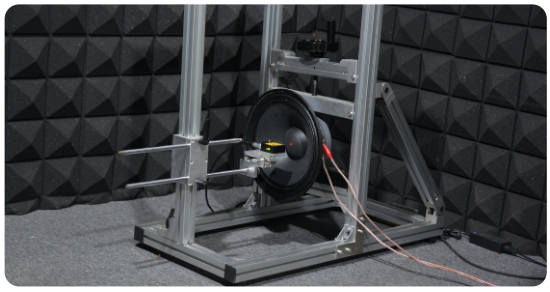
Facilities

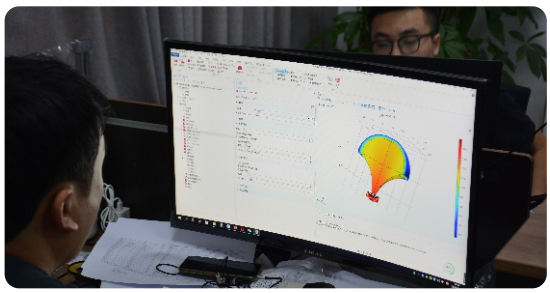
Compression Driver Production: Dispensing with four-axis Robot




LF Automatic Production: Computer-controlled Dispensing Machine

Anechoic Room and Test Device



Our company and designers

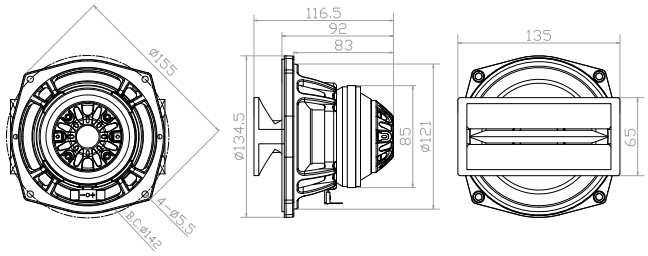
T05W44-8HCX

COAXIAL DRIVER

KEY FEATURES

- 91dB & 106dB 1W/1m sensitivity
- 150W & 25W AES power handling
- 110Hz-18kHz frequency response
- 44.2mm (1.7in) & 36mm (1.4in) voice coil
- Shared lightweight neodymium ring motor system
- Aluminum demodulating ring for lower distortion
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and multiple sound sources systems

MECHANICAL DRAWING

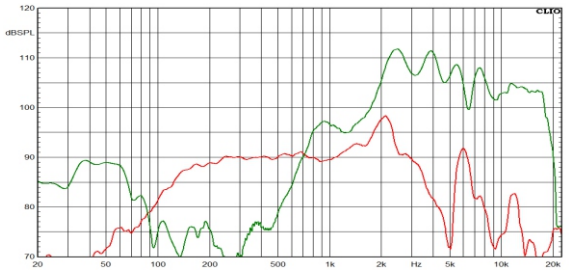


GENERAL SPECIFICATIONS

Part Number	T05W44-8HCX
Nominal Diameter	134.5mm (5in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 6.0Ω at 500Hz HF : 7.6Ω at 4500Hz
AES Power Handling[1]	LF : 150W HF : 25W
Maximum Power Handling[2]	LF : 300W HF : 50W
(1W/1m) Sensitivity (1W/1m)[3]	LF : 91dB HF : 106dB
Resonance Frequency	110Hz
Recommended Crossover[4]	2kHz
Frequency Range	LF : 110Hz-3kHz HF : 1.5kHz-18kHz
Voice Coil Diameter	LF : 44.2mm HF : 36mm
Winding Material	LF : Copper Clad Aluminum HF : Flat Aluminum
Former Material	LF : Glass Fiber HF : Kapton
Winding Depth	WF : 10.4mm TW : 2.5mm
Magnetic Gap Depth	LF : 6mm HF : 3mm
Xmax[5]	LF : 4.2mm
Flux Density	WF : 1.0T TW : 1.7T
Basket Material	Cast Aluminum
Magnet Material	LF&HF : Neodymium
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Diaphragm Material	Polymer
Phase Plug Material	Plastic
Cover Material	Plastic
Net Weight	1.18kg

FREQUENCY RESPONSE CURVE

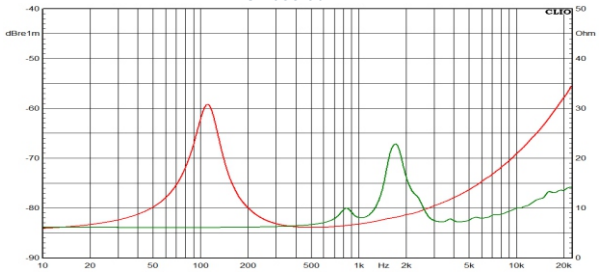
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[6]

Fs	110Hz	Qms	2.7
Re	5.0Ω	Qes	0.51
Le	0.26mH	Qts	0.43
Mms	7.9g	Vas	2.7L
Mmd	7.5g	Ref. Efficiency	0.7%
Cms	0.26mm/N	Sd	86. 6cm^2
BL	7.3Tm	EBP	215Hz

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. 12 dB/oct. or higher slope high-pass filter.
5. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Woofer power test made with continuous pink noise signal within the frequency range.Compression driver power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

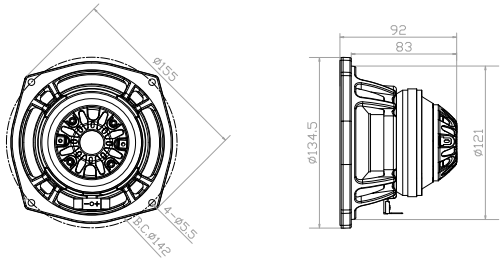
T05W44-8PN

COAXIAL DRIVER

KEY FEATURES

- 88dB & 105dB 1W/1m sensitivity
- 150W & 25W AES power handling
- 75Hz-18kHz frequency response
- 44.2mm (1.7in) & 36mm (1.4in) voice coil
- Shared lightweight neodymium ring motor system
- Aluminum demodulating ring for lower distortion
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for multiple sound sources systems and compact systems

MECHANICAL DRAWING

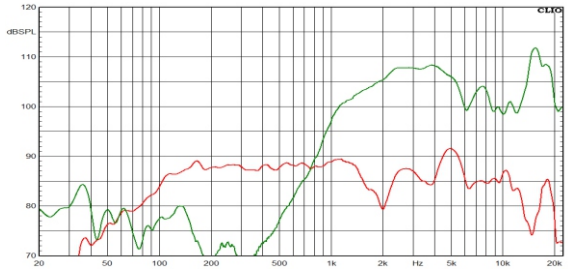


GENERAL SPECIFICATIONS

Part Number	T05W44-8PN
Nominal Diameter	134.5mm (5in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 5.8Ω at 400Hz HF : 7.1Ω at 4000Hz
AES Power Handling[1]	LF : 150W HF : 25W
Maximum Power Handling[2]	LF : 300W HF : 50W
(1W/1m) Sensitivity (1W/1m)[3]	LF : 88dB HF : 105dB
Resonance Frequency	75Hz
Recommended Crossover[4]	2kHz
Frequency Range	LF : 75Hz-2kHz HF : 1.5kHz-18kHz
Voice Coil Diameter	LF : 44.2mm HF : 36mm
Winding Material	LF : Copper Clad Aluminum HF : Flat Aluminum
Former Material	LF : Glass Fiber HF : Kapton
Winding Depth	WF : 14.2mm TW : 2.5mm
Magnetic Gap Depth	LF : 6mm HF : 3mm
Xmax[5]	LF : 6.1mm
Flux Density	WF : 1.0T TW : 1.7T
Basket Material	Cast Aluminum
Magnet Material	LF&HF : Neodymium
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Paper
Diaphragm Material	Polymer
Phase Plug Material	Plastic
Cover Material	Plastic
Net Weight	1.06kg

FREQUENCY RESPONSE CURVE

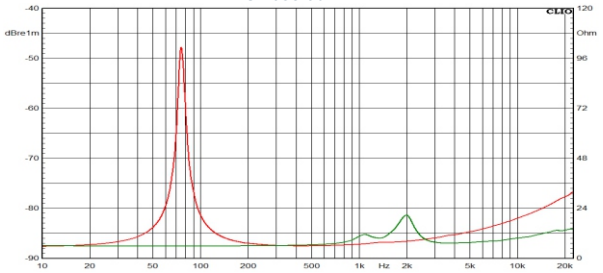
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[6]

Fs	75Hz	Qms	8.6
Re	5.0Ω	Qes	0.44
Le	0.24mH	Qts	0.42
Mms	12.6g	Vas	3.7L
Mmd	12.1g	Ref. Efficiency	0.34%
Cms	0.35mm/N	Sd	86. 6cm^2
BL	8.2Tm	EBP	178Hz

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. 12 dB/oct. or higher slope high-pass filter.
5. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Woofer power test made with continuous pink noise signal within the frequency range.Compression driver power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

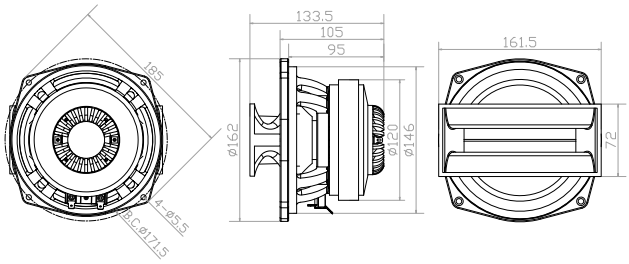
T06W38-8HC

COAXIAL DRIVER

KEY FEATURES

- 93dB & 106dB 1W/1m sensitivity
- 120W & 30W AES power handling
- 85Hz-18kHz frequency response
- 38.5mm (1.5in) & 38mm (1.5in) voice coil
- Shared ferrite motor system
- Aluminum demodulating ring for lower distortion
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and multiple sound sources systems

MECHANICAL DRAWING

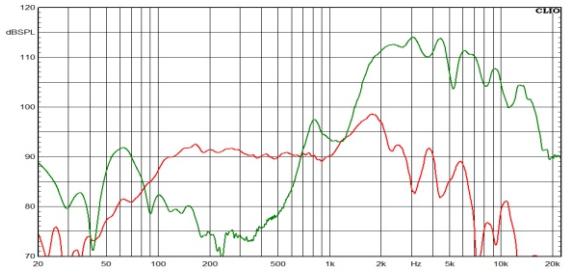


GENERAL SPECIFICATIONS

Part Number	T06W38-8HC
Nominal Diameter	162mm (6in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 6.4Ω at 400Hz HF : 7.8Ω at 4000Hz
AES Power Handling[1]	LF : 120W HF : 30W
Maximum Power Handling[2]	LF : 240W HF : 60W
(1W/1m) Sensitivity (1W/1m)[3]	LF : 93dB HF : 106dB
Resonance Frequency	85Hz
Recommended Crossover[4]	2kHz
Frequency Range	LF : 85Hz-3kHz HF : 1.5kHz-18kHz
Voice Coil Diameter	LF : 38.5mm HF : 38mm
Winding Material	LF&HF : Copper Clad Aluminum
Former Material	LF : Glass Fiber HF : Kapton
Winding Depth	WF : 9.8mm TW : 2.4mm
Magnetic Gap Depth	LF : 7mm HF : 2.8mm
Xmax[5]	LF : 3.7mm
Flux Density	WF : 0.95T TW : 1.7T
Basket Material	Cast Aluminum
Magnet Material	LF&HF : Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Diaphragm Material	Polymer
Phase Plug Material	Plastic
Cover Material	Plastic
Net Weight	2.7kg

FREQUENCY RESPONSE CURVE

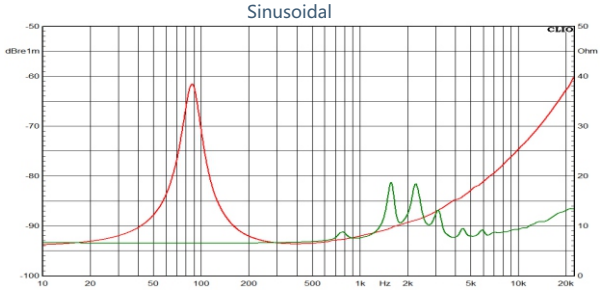
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[6]

Fs	87Hz	Qms	3.3
Re	5.0Ω	Qes	0.49
Le	0.30mH	Qts	0.43
Mms	10.2g	Vas	9.2L
Mmd	9.2g	Ref. Efficiency	1.2%
Cms	0.32mm/N	Sd	143cm^2
BL	7.5Tm	EBP	177Hz

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. 12 dB/oct. or higher slope high-pass filter.
5. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Woofer power test made with continuous pink noise signal within the frequency range.Compression driver power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

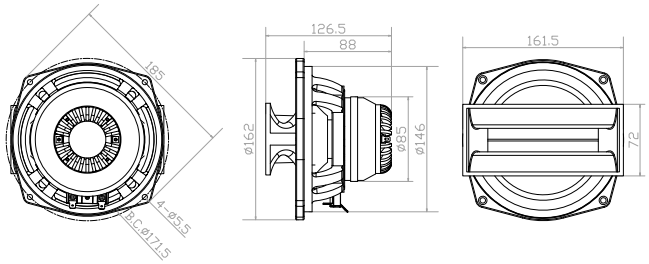
T06W44-8HC

COAXIAL DRIVER

KEY FEATURES

- 94dB & 106dB 1W/1m sensitivity
- 150W & 30W AES power handling
- 85Hz-18kHz frequency response
- 44.2mm (1.7in) & 38mm (1.5in) voice coil
- Shared lightweight neodymium ring motor system
- Aluminum demodulating ring for lower distortion
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and multiple sound sources systems

MECHANICAL DRAWING

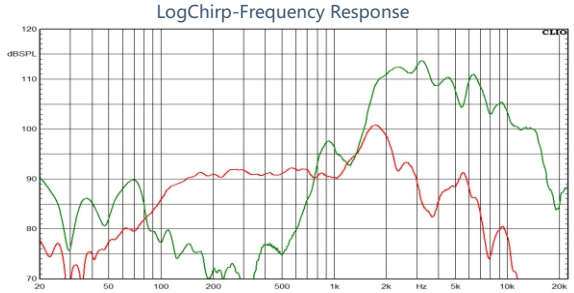


GENERAL SPECIFICATIONS

Part Number	T06W44-8HC
Nominal Diameter	162mm (6in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 5.9Ω at 400Hz HF : 7.6Ω at 4000Hz
AES Power Handling[1]	LF : 150W HF : 30W
Maximum Power Handling[2]	LF : 300W HF : 60W
(1W/1m) Sensitivity (1W/1m)[3]	LF : 94dB HF : 106dB
Resonance Frequency	85Hz
Recommended Crossover[4]	2kHz
Frequency Range	LF : 85Hz-3kHz HF : 1.5kHz-18kHz
Voice Coil Diameter	LF : 44.2mm HF : 38mm
Winding Material	LF&HF : Copper Clad Aluminum
Former Material	LF : Glass Fiber HF : Kapton
Winding Depth	WF : 10.4mm TW : 2.4mm
Magnetic Gap Depth	LF : 6mm HF : 2.8mm
Xmax[5]	LF : 5.2mm
Flux Density	WF : 1.15T TW : 1.6T
Basket Material	Cast Aluminum
Magnet Material	LF&HF : Neodymium
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Diaphragm Material	Polymer
Phase Plug Material	Plastic
Cover Material	Plastic
Net Weight	1.46kg

FREQUENCY RESPONSE CURVE

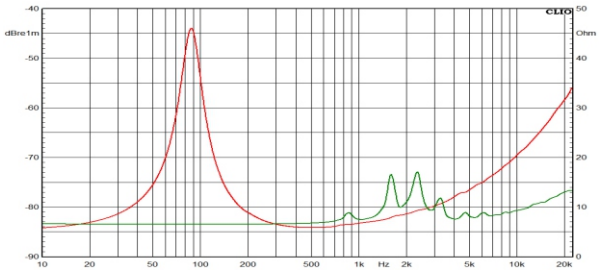
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[6]

Fs	87Hz	Qms	3.2
Re	5.0Ω	Qes	0.39
Le	0.26mH	Qts	0.34
Mms	11.7g	Vas	8.1L
Mmd	10.7g	Ref. Efficiency	1.3%
Cms	0.28mm/N	Sd	143cm^2
BL	9.1Tm	EBP	223Hz

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. 12 dB/oct. or higher slope high-pass filter.
5. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Woofer power test made with continuous pink noise signal within the frequency range.Compression driver power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

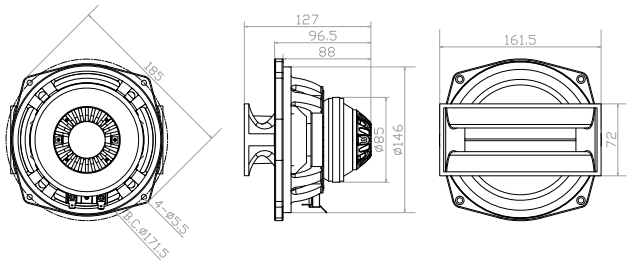
T06W44-8HCX

COAXIAL DRIVER

KEY FEATURES

- 94dB & 106dB 1W/1m sensitivity
- 150W & 25W AES power handling
- 85Hz-18kHz frequency response
- 44.2mm (1.7in) & 36mm (1.4in) voice coil
- Shared lightweight neodymium ring motor system
- Aluminum demodulating ring for lower distortion
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and multiple sound sources systems

MECHANICAL DRAWING

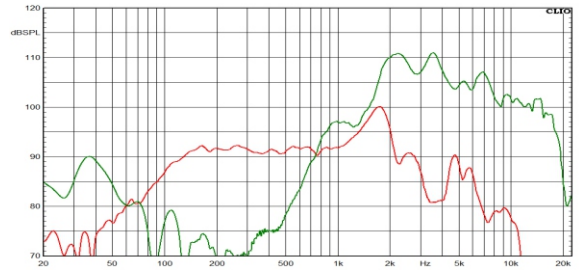


GENERAL SPECIFICATIONS

Part Number	T06W44-8HCX
Nominal Diameter	162mm (6in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 5.8Ω at 400Hz HF : 7.5Ω at 4000Hz
AES Power Handling[1]	LF : 150W HF : 25W
Maximum Power Handling[2]	LF : 300W HF : 50W
(1W/1m) Sensitivity (1W/1m)[3]	LF : 94dB HF : 106dB
Resonance Frequency	85Hz
Recommended Crossover[4]	2kHz
Frequency Range	LF : 85Hz-3kHz HF : 1.5kHz-18kHz
Voice Coil Diameter	LF : 44.2mm HF : 36mm
Winding Material	LF : Copper Clad Aluminum HF : Flat Aluminum
Former Material	LF : Glass Fiber HF : Kapton
Winding Depth	WF : 14.2mm TW : 2.5mm
Magnetic Gap Depth	LF : 6mm HF : 3mm
Xmax[5]	LF : 6.1mm
Flux Density	WF : 1.0T TW : 1.7T
Basket Material	Cast Aluminum
Magnet Material	LF&HF : Neodymium
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Diaphragm Material	Polymer
Phase Plug Material	Plastic
Cover Material	Plastic
Net Weight	1.36kg

FREQUENCY RESPONSE CURVE

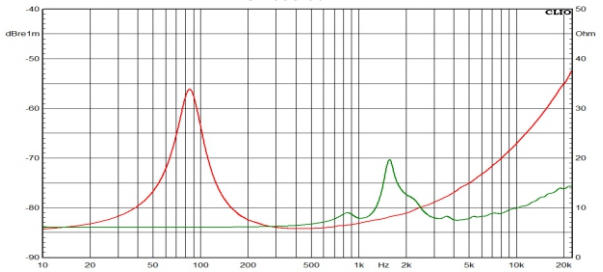
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[6]

Fs	85Hz	Qms	2.8
Re	5.0Ω	Qes	0.47
Le	0.29mH	Qts	0.40
Mms	10.2g	Vas	9.9L
Mmd	9.2g	Ref. Efficiency	1.2%
Cms	0.34mm/N	Sd	143cm^2
BL	7.6Tm	EBP	180Hz

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. 12 dB/oct. or higher slope high-pass filter.
5. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Woofer power test made with continuous pink noise signal within the frequency range.Compression driver power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

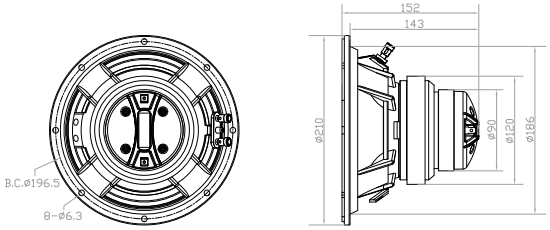
T08W50-8LC

COAXIAL DRIVER

KEY FEATURES

- 93dB & 105dB 1W/1m sensitivity
- 200W & 25W AES power handling
- 60Hz-20kHz frequency response
- 49.55mm (2.0in) & 36mm (1.4in) voice coil
- Special waterproof treatment front side
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for multiple sound sources systems and compact systems

MECHANICAL DRAWING

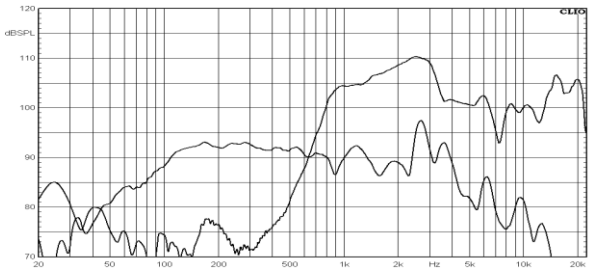


GENERAL SPECIFICATIONS

Part Number	T08W50-8LC
Nominal Diameter	210mm (8in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 6.7Ω at 300Hz HF : 7.2Ω at 5300Hz
AES Power Handling[1]	LF : 200W HF : 25W
Maximum Power Handling[2]	LF : 400W HF : 50W
(1W/1m) Sensitivity (1W/1m)[3]	LF : 93dB HF : 105dB
Resonance Frequency	60Hz
Recommended Crossover[4]	2kHz
Frequency Range	LF : 60Hz-3kHz HF : 1.2kHz-20kHz
Voice Coil Diameter	LF : 49.55mm HF : 36mm
Winding Material	LF : Copper HF : Flat Aluminum
Former Material	LF : Polyimide HF : Kapton
Winding Depth	LF : 12.6mm HF : 2.5mm
Magnetic Gap Depth	LF : 8mm HF : 3mm
Xmax[5]	LF : 4.9mm
Flux Density	LF : 0.9T HF : 1.65T
Basket Material	Cast Aluminum
Magnet Material	LF&HF : Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Diaphragm Material	Polymer
Phase Plug Material	Plastic
Cover Material	Plastic
Net Weight	3.5kg

FREQUENCY RESPONSE CURVE

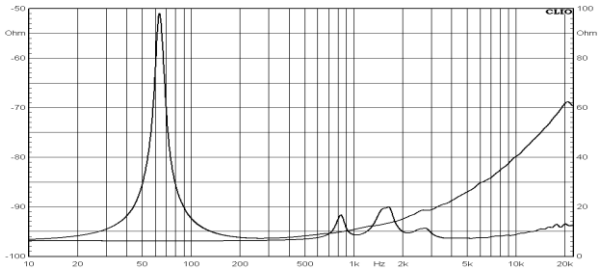
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[6]

Fs	63Hz	Qms	6.9
Re	5.6Ω	Qes	0.41
Le	0.51mH	Qts	0.39
Mms	23g	Vas	20L
Mmd	21g	Ref. Efficiency	1.2%
Cms	0.28mm/N	Sd	227cm^2
BL	11Tm	EBP	154Hz

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. 12 dB/oct. or higher slope high-pass filter.
5. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Woofer power test made with continuous pink noise signal within the frequency range.Compression driver power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

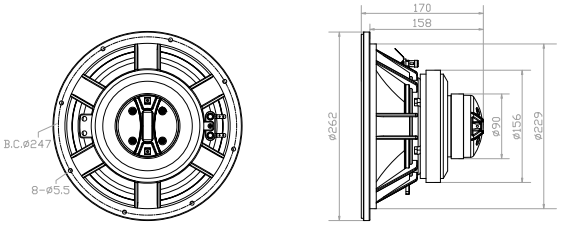
T10W65-8LC

COAXIAL DRIVER

KEY FEATURES

- 95dB & 106dB 1W/1m sensitivity
- 250W & 25W AES power handling
- 55Hz-20kHz frequency response
- 63.8mm (2.5in) & 36mm (1.4in) voice coil
- Special waterproof treatment front side
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for multiple sound sources systems and compact systems

MECHANICAL DRAWING

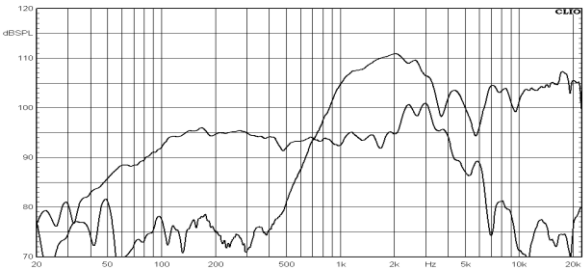


GENERAL SPECIFICATIONS

Part Number	T10W65-8LC
Nominal Diameter	262mm (10in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 6.2Ω at 300Hz HF : 7.1Ω at 5000Hz
AES Power Handling[1]	LF : 250W HF : 25W
Maximum Power Handling[2]	LF : 500W HF : 50W
(1W/1m) Sensitivity (1W/1m)[3]	LF : 95dB HF : 106dB
Resonance Frequency	55Hz
Recommended Crossover[4]	2kHz
Frequency Range	LF : 55Hz-3kHz HF : 1.2kHz-20kHz
Voice Coil Diameter	LF : 63.8mm HF : 36mm
Winding Material	LF : Copper Clad Aluminum HF : Flat Aluminum
Former Material	LF : Glass Fiber HF : Kapton
Winding Depth	LF : 15.5mm HF : 2.5mm
Magnetic Gap Depth	LF : 8mm HF : 3mm
Xmax[5]	LF : 6.4mm
Flux Density	LF : 1.05T HF : 1.65T
Basket Material	Cast Aluminum
Magnet Material	LF&HF : Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Diaphragm Material	Polymer
Phase Plug Material	Plastic
Cover Material	Plastic
Net Weight	5.3kg

FREQUENCY RESPONSE CURVE

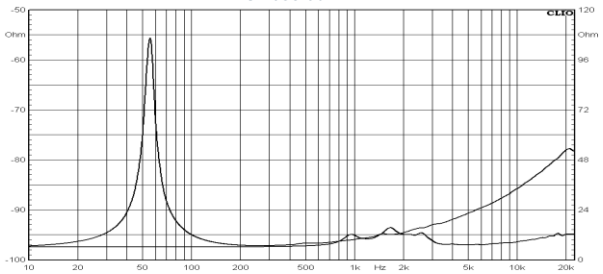
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[6]

Fs	55Hz	Qms	8.3
Re	5.1Ω	Qes	0.36
Le	0.42mH	Qts	0.34
Mms	39g	Vas	35L
Mmd	35g	Ref. Efficiency	1.6%
Cms	0.21mm/N	Sd	346cm^2
BL	13.6Tm	EBP	153Hz

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. 12 dB/oct. or higher slope high-pass filter.
5. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Woofer power test made with continuous pink noise signal within the frequency range.Compression driver power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

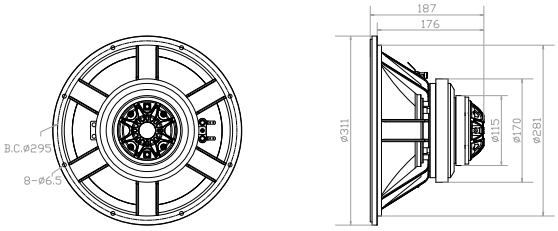
T12W75-8LC

COAXIAL DRIVER

KEY FEATURES

- 96dB & 105dB 1W/1m sensitivity
- 350W & 50W AES power handling
- 50Hz-20kHz frequency response
- 75.55mm (3.5in) & 44.4mm (1.7in) voice coil
- Special waterproof treatment front side
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for multiple sound sources systems and compact systems

MECHANICAL DRAWING

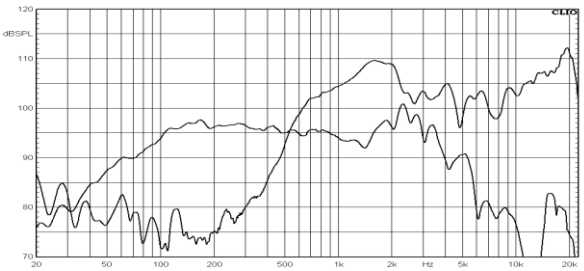


GENERAL SPECIFICATIONS

Part Number	T12W75-8LC
Nominal Diameter	311mm (12in)
Nominal Impedance	LF : 8Ω HF : 8Ω
Minimum Impedance	LF : 6.7Ω at 250Hz HF : 7.7Ω at 3500Hz
AES Power Handling[1]	LF : 350W HF : 50W
Maximum Power Handling[2]	LF : 700W HF : 100W
(1W/1m) Sensitivity (1W/1m)[3]	LF : 96dB HF : 105dB
Resonance Frequency	50Hz
Recommended Crossover[4]	1.5kHz
Frequency Range	LF : 50Hz-3kHz HF : 1.0kHz-20kHz
Voice Coil Diameter	LF : 75.55mm HF : 44.4mm
Winding Material	LF : Copper Clad Aluminum HF : Flat Aluminum
Former Material	LF : Glass Fiber HF : Kapton
Winding Depth	LF : 16.4mm HF : 2.3mm
Magnetic Gap Depth	LF : 10mm HF : 2.5mm
Xmax[5]	LF : 6.5mm
Flux Density	LF : 1.05T HF : 1.5T
Basket Material	Cast Aluminum
Magnet Material	LF&HF : Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Diaphragm Material	Polymer
Phase Plug Material	Plastic
Cover Material	Cast Aluminum
Net Weight	7.1kg

FREQUENCY RESPONSE CURVE

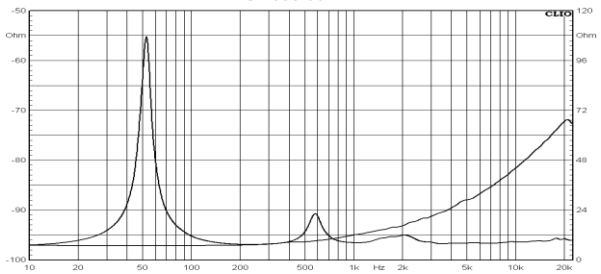
LogChirp-Frequency Response



Test conditions: 1W/1m standard test box in anechoic chamber.

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[6]

Fs	53Hz	Qms	9.7
Re	5.6Ω	Qes	0.40
Le	0.56mH	Qts	0.38
Mms	54g	Vas	70L
Mmd	46g	Ref. Efficiency	2. 5%
Cms	0.16mm/N	Sd	551cm^2
BL	15.8Tm	EBP	133Hz

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. 12 dB/oct. or higher slope high-pass filter.
5. Xmax=[(winding depth-magnetic gap depth)/2]+(magnetic gap depth/3).
6. Thiele-Small parameters are measured after a preconditioning test.
7. Woofer power test made with continuous pink noise signal within the frequency range.Compression driver power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

Vivid Acoustics

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