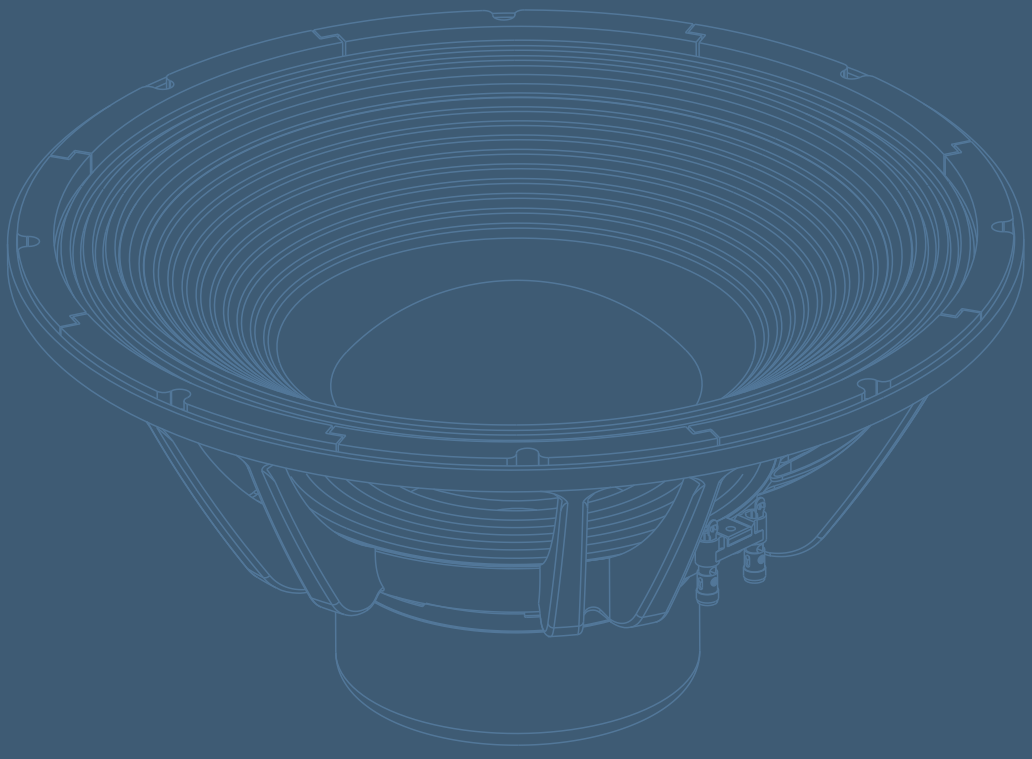
Vivid Acoustics

Bass&Mid Range Driver

PRODUCT SPECIFICATIONS

Vivid Acoustics Technology Co., Ltd.

2026



Vivid Acoustics

CONTENTS

Updated on 2026.01

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

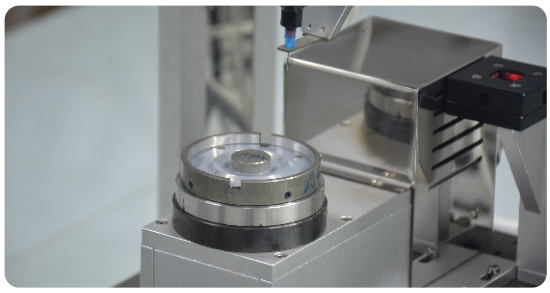
Production and QC:

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

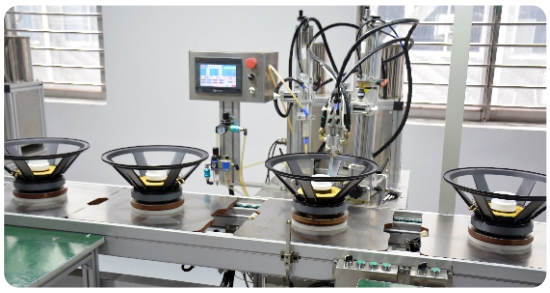
Facilities:

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.

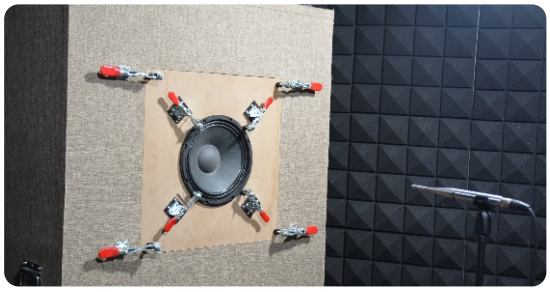
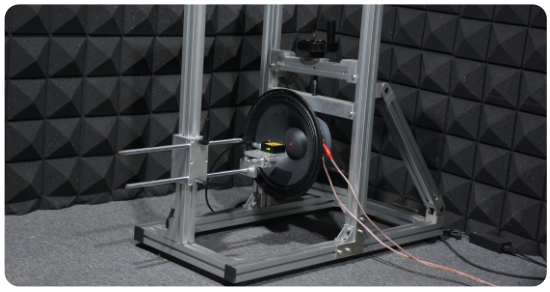
Facilities

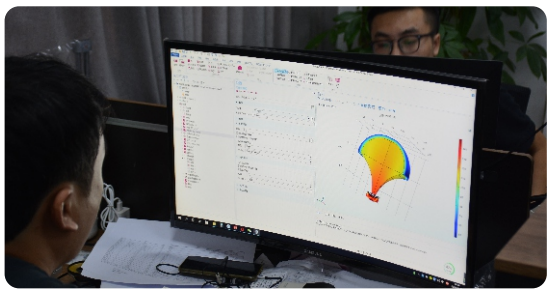
Compression Driver Production: Dispensing with four-axis Robot




LF Automatic Production: Computer-controlled Dispensing Machine

Anechoic Room and Test Device



Our company and designers

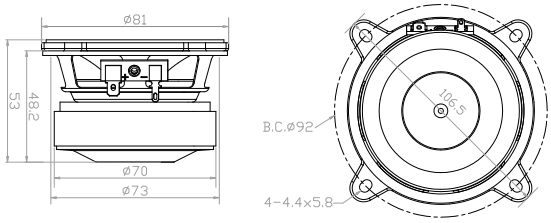
03W19-8CF 4Ω &16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 88dB 1W/1m sensitivity
- 25W AES power handling
- 110Hz-20kHz frequency response
- 19.45mm (0.75in) aluminum voice coil
- Copper demodulating ring for lower distortion
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

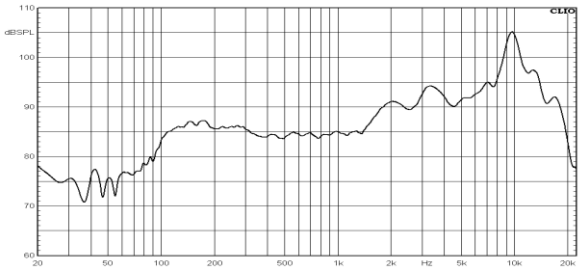


GENERAL SPECIFICATIONS

Part Number	03W19-8CF
Nominal Diameter	81mm (3in)
Nominal Impedance	8Ω
Minimum Impedance	7.1Ω
AES Power Handling[1]	25W
Maximum Power Handling[2]	50W
(1W/1m) Sensitivity (1W/1m)[3]	88dB
Resonance Frequency	110Hz
Frequency Range	110Hz-20kHz
Voice Coil Diameter	19.45mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	5mm
Magnetic Gap Depth	4mm
Xmax[4]	1.8mm
Flux Density	1.1T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Paper
Net Weight	0.53kg

FREQUENCY RESPONSE CURVE

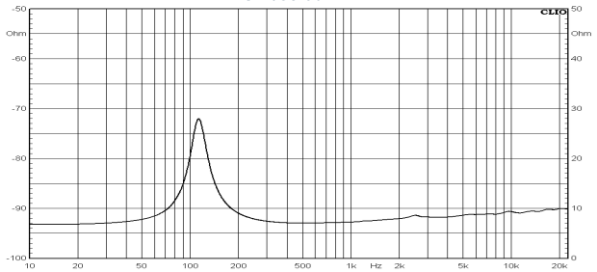
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	110Hz	Qms	4.2
Re	6.5Ω	Qes	1.16
Le	0.04mH	Qts	0.91
Mms	2.7g	Vas	1.2L
Mmd	2.6g	Ref. Efficiency	0.13%
Cms	0.75mm/N	Sd	33cm^2
BL	3.3Tm	EBP	95Hz

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.

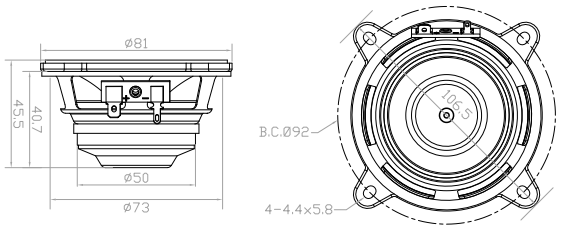
03W19-8CN 4Ω &16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 90dB 1W/1m sensitivity
- 25W AES power handling
- 110Hz-20kHz frequency response
- 19.45mm (0.75in) aluminum voice coil
- Neodymium ring magnetic structure
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

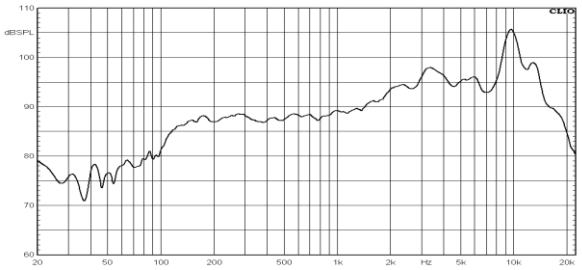


GENERAL SPECIFICATIONS

Part Number	03W19-8CN
Nominal Diameter	81mm (3in)
Nominal Impedance	8Ω
Minimum Impedance	7.1Ω
AES Power Handling[1]	25W
Maximum Power Handling[2]	50W
(1W/1m) Sensitivity (1W/1m)[3]	90dB
Resonance Frequency	110Hz
Frequency Range	110Hz-20kHz
Voice Coil Diameter	19.45mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	5mm
Magnetic Gap Depth	4mm
Xmax[4]	1.8mm
Flux Density	1.4T
Basket Material	Pressed Steel
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Paper
Net Weight	0.25kg

FREQUENCY RESPONSE CURVE

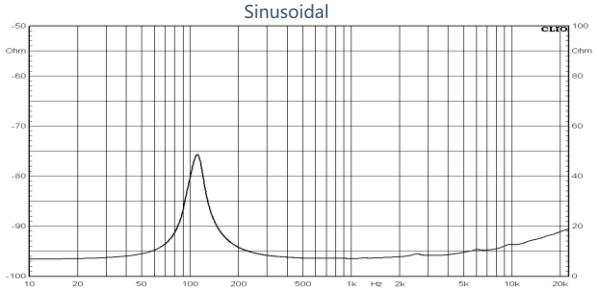
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	110Hz	Qms	4.7
Re	6.5Ω	Qes	0.62
Le	0.12mH	Qts	0.55
Mms	2.7g	Vas	1.2L
Mmd	2.6g	Ref. Efficiency	0.24%
Cms	0.76mm/N	Sd	33cm^2
BL	4.5Tm	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. 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.

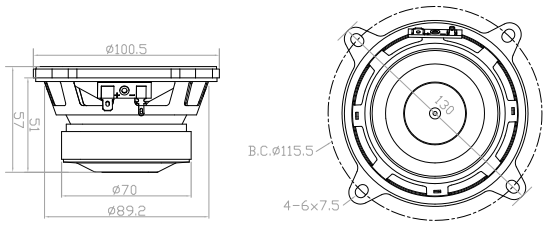
04W19-8CF 4Ω &16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 89dB 1W/1m sensitivity
- 30W AES power handling
- 90Hz-20kHz frequency response
- 19.45mm (0.75in) aluminum voice coil
- Black glass fiber cone material
- Copper demodulating ring for lower distortion
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

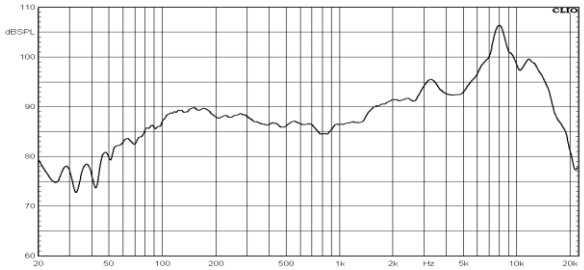


GENERAL SPECIFICATIONS

Part Number	04W19-8CF
Nominal Diameter	100.5mm (4in)
Nominal Impedance	8Ω
Minimum Impedance	7.2Ω
AES Power Handling[1]	30W
Maximum Power Handling[2]	60W
(1W/1m) Sensitivity (1W/1m)[3]	89dB
Resonance Frequency	90Hz
Frequency Range	90Hz-20kHz
Voice Coil Diameter	19.45mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	6.2mm
Magnetic Gap Depth	4mm
Xmax[4]	2.4mm
Flux Density	1.1T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Black Glass Fiber
Net Weight	0.56kg

FREQUENCY RESPONSE CURVE

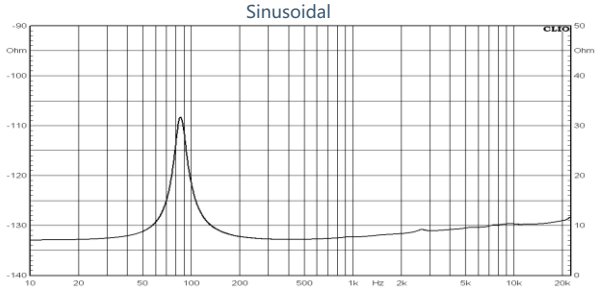
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	93Hz	Qms	5.3
Re	7.0Ω	Qes	1.45
Le	0.04mH	Qts	1.13
Mms	3.9g	Vas	2.8L
Mmd	3.7g	Ref. Efficiency	0.15%
Cms	0.75mm/N	Sd	51.9cm^2
BL	3.3Tm	EBP	64Hz

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.

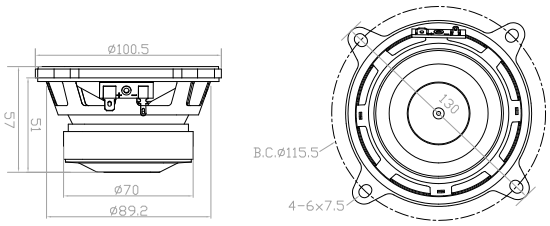
04W19-8CN 4Ω &16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 91dB 1W/1m sensitivity
- 30W AES power handling
- 90Hz-20kHz frequency response
- 19.45mm (0.75in) aluminum voice coil
- Black glass fiber cone material
- Neodymium ring magnetic structure
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

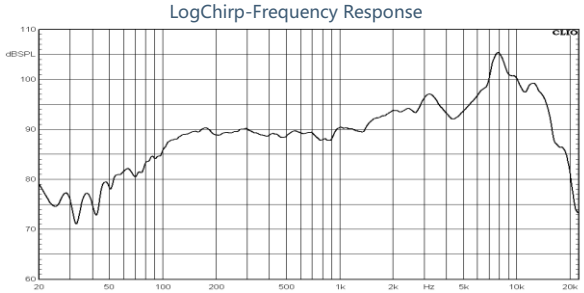


GENERAL SPECIFICATIONS

Part Number	04W19-8CN
Nominal Diameter	100.5mm (4in)
Nominal Impedance	8Ω
Minimum Impedance	7.2Ω
AES Power Handling[1]	30W
Maximum Power Handling[2]	60W
(1W/1m) Sensitivity (1W/1m)[3]	91dB
Resonance Frequency	90Hz
Frequency Range	90Hz-20kHz
Voice Coil Diameter	19.45mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	6.2mm
Magnetic Gap Depth	4mm
Xmax[4]	2.4mm
Flux Density	1.4T
Basket Material	Pressed Steel
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Black Glass Fiber
Net Weight	0.28kg

FREQUENCY RESPONSE CURVE

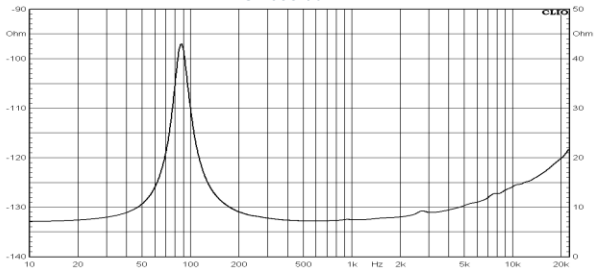
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	88Hz	Qms	4.1
Re	7.0Ω	Qes	0.76
Le	0.14mH	Qts	0.64
Mms	3.8g	Vas	3.2L
Mmd	3.6g	Ref. Efficiency	0.28%
Cms	0.85mm/N	Sd	51.9cm^2
BL	4.4Tm	EBP	116Hz

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.

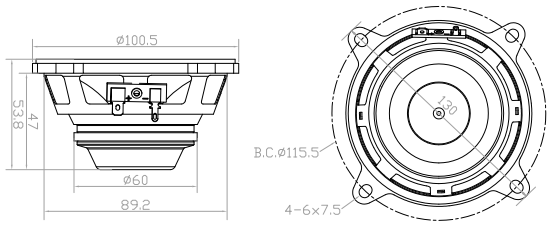
04W25-8CN 16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 94dB 1W/1m sensitivity
- 40W AES power handling
- 100Hz-20kHz frequency response
- 25.8mm (1.0in) copper clad aluminum voice coil
- Copper demodulating ring for lower distortion
- Neodymium ring magnetic structure
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

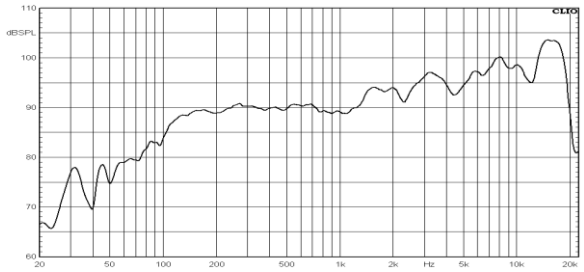


GENERAL SPECIFICATIONS

Part Number	04W25-8CN
Nominal Diameter	100.5mm (4in)
Nominal Impedance	8Ω
Minimum Impedance	6.4Ω
AES Power Handling[1]	40W
Maximum Power Handling[2]	80W
(1W/1m) Sensitivity (1W/1m)[3]	94dB
Resonance Frequency	100Hz
Frequency Range	100Hz-20kHz
Voice Coil Diameter	25.8mm
Winding Material	Copper Clad Aluminum
Former Material	Polyimide
Winding Depth	7.2mm
Magnetic Gap Depth	4mm
Xmax[4]	2.9mm
Flux Density	1.4T
Basket Material	Pressed Steel
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Paper
Net Weight	0.38kg

FREQUENCY RESPONSE CURVE

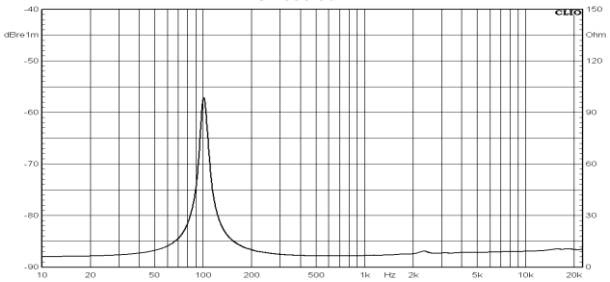
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	100Hz	Qms	7.9
Re	5.4Ω	Qes	0.45
Le	0.04mH	Qts	0.43
Mms	4.8g	Vas	1.8L
Mmd	4.6g	Ref. Efficiency	0.39%
Cms	0.51mm/N	Sd	50.3cm^2
BL	6.0Tm	EBP	222Hz

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.

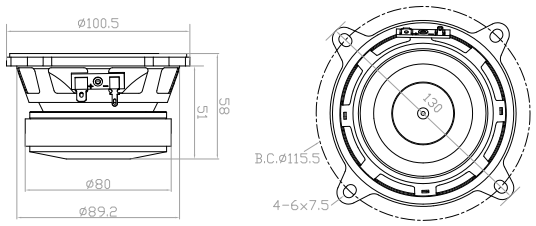
04W25-8CF 16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 92dB 1W/1m sensitivity
- 40W AES power handling
- 100Hz-20kHz frequency response
- 25.8mm (1.0in) copper clad aluminum voice coil
- Copper demodulating ring for lower distortion
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

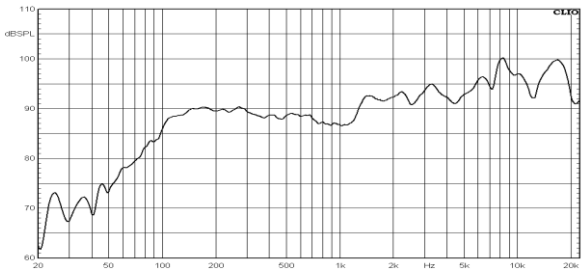


GENERAL SPECIFICATIONS

Part Number	04W25-8CF
Nominal Diameter	100.5mm (4in)
Nominal Impedance	8Ω
Minimum Impedance	6.3Ω
AES Power Handling[1]	40W
Maximum Power Handling[2]	80W
(1W/1m) Sensitivity (1W/1m)[3]	92dB
Resonance Frequency	100Hz
Frequency Range	100Hz-20kHz
Voice Coil Diameter	25.8mm
Winding Material	Copper Clad Aluminum
Former Material	Polyimide
Winding Depth	7.2mm
Magnetic Gap Depth	4mm
Xmax[4]	2.9mm
Flux Density	1.1T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Paper
Net Weight	0.75kg

FREQUENCY RESPONSE CURVE

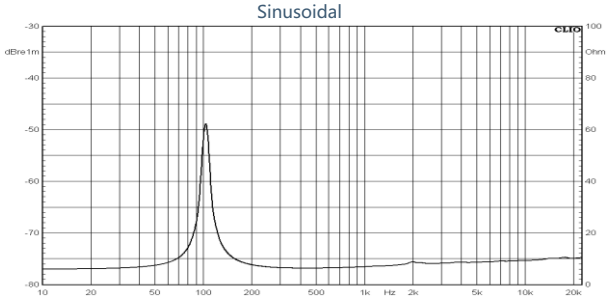
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	103Hz	Qms	8.2
Re	5.4Ω	Qes	0.65
Le	0.04mH	Qts	0.60
Mms	5.2g	Vas	1.5L
Mmd	5.0g	Ref. Efficiency	0.27%
Cms	0.42mm/N	Sd	50.3cm^2
BL	5.4Tm	EBP	158Hz

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.

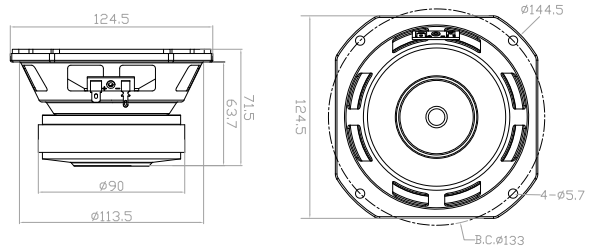
05W32-8CFX

BASS/MID RANGE DRIVER

KEY FEATURES

- 90dB 1W/1m sensitivity
- 80W AES power handling
- 75Hz-7kHz frequency response
- 32mm (1.26in) aluminum voice coil
- Black glass fiber cone material
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

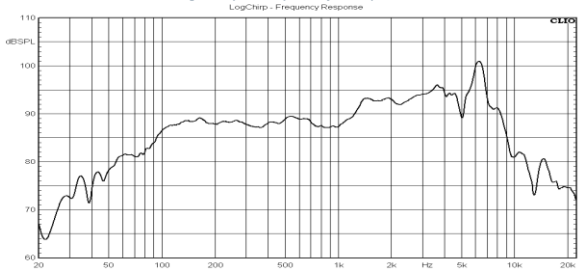


GENERAL SPECIFICATIONS

Part Number	05W32-8CFX
Nominal Diameter	124.5×124.5mm (5in)
Nominal Impedance	8Ω
Minimum Impedance	6.5Ω
AES Power Handling[1]	80W
Maximum Power Handling[2]	160W
(1W/1m) Sensitivity (1W/1m)[3]	90dB
Resonance Frequency	75Hz
Frequency Range	75Hz-7kHz
Voice Coil Diameter	32mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	12.5mm
Magnetic Gap Depth	6mm
Xmax[4]	5.2mm
Flux Density	1.05T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Black Glass Fiber
Net Weight	1.2kg

FREQUENCY RESPONSE CURVE

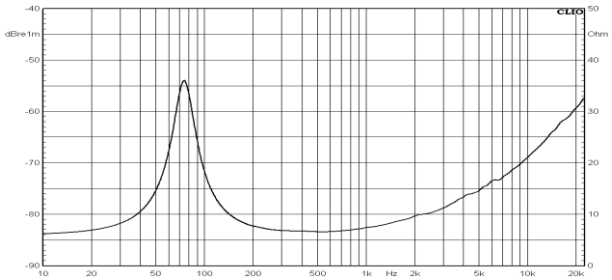
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	77Hz	Qms	2.9
Re	5.6Ω	Qes	0.58
Le	0.26mH	Qts	0.48
Mms	8.6g	Vas	4.7L
Mmd	8.2g	Ref. Efficiency	0.36%
Cms	0.48mm/N	Sd	84cm^2
BL	6.4Tm	EBP	132Hz

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.

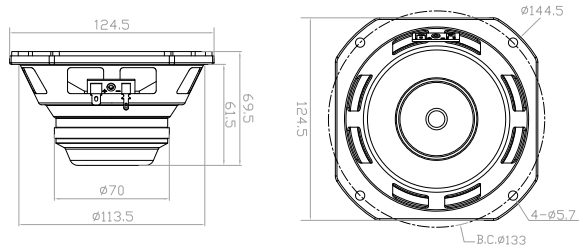
05W32-8CNX

BASS/MID RANGE DRIVER

KEY FEATURES

- 94dB 1W/1m sensitivity
- 80W AES power handling
- 75Hz-7kHz frequency response
- 32mm (1.26in) aluminum voice coil
- Black glass fiber cone material
- Neodymium ring magnetic structure
- Suitable for sound column systems and multi-way systems

MECHANICAL DRAWING

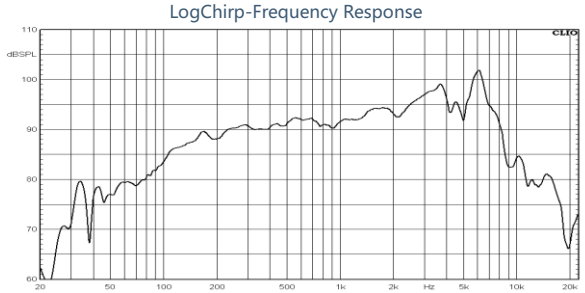


GENERAL SPECIFICATIONS

Part Number	05W32-8CNX
Nominal Diameter	124.5×124.5mm (5in)
Nominal Impedance	8Ω
Minimum Impedance	6.8Ω
AES Power Handling[1]	80W
Maximum Power Handling[2]	160W
(1W/1m) Sensitivity (1W/1m)[3]	94dB
Resonance Frequency	75Hz
Frequency Range	75Hz-7kHz
Voice Coil Diameter	32mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	12.5mm
Magnetic Gap Depth	6mm
Xmax[4]	5.2mm
Flux Density	1.55T
Basket Material	Pressed Steel
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	Half-Roll Rubber
Cone Material	Curvilinear Black Glass Fiber
Net Weight	0.7kg

FREQUENCY RESPONSE CURVE

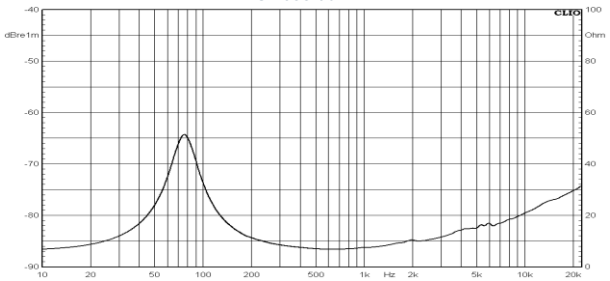
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	76Hz	Qms	2.3
Re	5.6Ω	Qes	0.28
Le	0.25mH	Qts	0.25
Mms	8.4g	Vas	4.5L
Mmd	8.0g	Ref. Efficiency	0.68%
Cms	0.51mm/N	Sd	78. 5cm^2
BL	9.0Tm	EBP	271Hz

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.

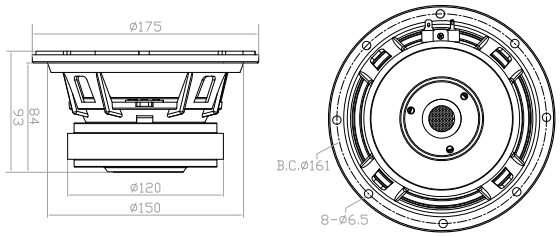
06W50-8S

BASS/MID RANGE DRIVER

KEY FEATURES

- 90dB 1W/1m sensitivity
- 150W AES power handling
- 85Hz-4kHz frequency response
- 49.55mm (2.0in) copper voice coil
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems and multi-way systems

MECHANICAL DRAWING

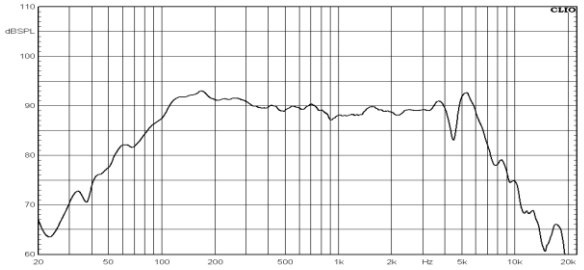


GENERAL SPECIFICATIONS

Part Number	06W50-8S
Nominal Diameter	175mm (6in)
Nominal Impedance	8Ω
Minimum Impedance	6.0Ω
AES Power Handling[1]	150W
Maximum Power Handling[2]	300W
(1W/1m) Sensitivity (1W/1m)[3]	90dB
Resonance Frequency	85Hz
Frequency Range	85Hz-4kHz
Voice Coil Diameter	49.55mm
Winding Material	Copper
Former Material	Polyimide
Winding Depth	12.6mm
Magnetic Gap Depth	8mm
Xmax[4]	4.9mm
Flux Density	0.85T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.3kg

FREQUENCY RESPONSE CURVE

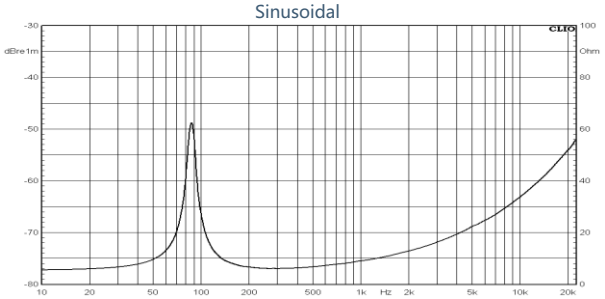
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	87Hz	Qms	7.6
Re	5.7Ω	Qes	0.77
Le	0.44mH	Qts	0.70
Mms	20g	Vas	4.6L
Mmd	19g	Ref. Efficiency	0.38%
Cms	0.16mm/N	Sd	143cm^2
BL	9.1Tm	EBP	113Hz

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.

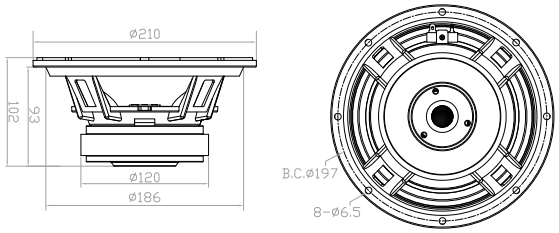
08W50-8S

BASS/MID RANGE DRIVER

KEY FEATURES

- 92dB 1W/1m sensitivity
- 200W AES power handling
- 65Hz-3kHz frequency response
- 49.55mm (2.0in) copper voice coil
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems and multi-way systems

MECHANICAL DRAWING

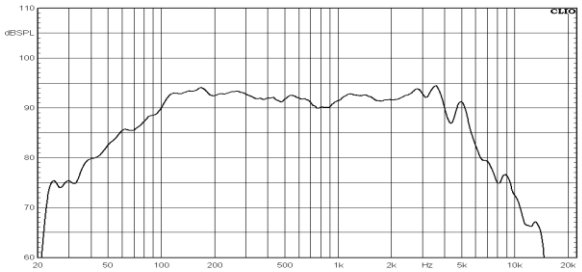


GENERAL SPECIFICATIONS

Part Number	08W50-8S
Nominal Diameter	210mm (8in)
Nominal Impedance	8Ω
Minimum Impedance	6.5Ω
AES Power Handling[1]	200W
Maximum Power Handling[2]	400W
(1W/1m) Sensitivity (1W/1m)[3]	92dB
Resonance Frequency	65Hz
Frequency Range	65Hz-3kHz
Voice Coil Diameter	49.55mm
Winding Material	Copper
Former Material	Polyimide
Winding Depth	12.6mm
Magnetic Gap Depth	8mm
Xmax[4]	4.9mm
Flux Density	0.85T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.3kg

FREQUENCY RESPONSE CURVE

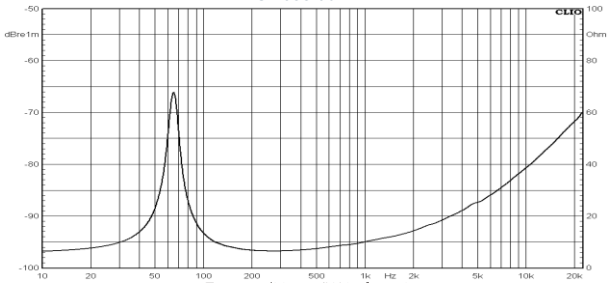
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	65Hz	Qms	5.9
Re	5.6Ω	Qes	0.53
Le	0.52mH	Qts	0.49
Mms	25g	Vas	17L
Mmd	23g	Ref. Efficiency	0.86%
Cms	0.24mm/N	Sd	227cm^2
BL	10.3Tm	EBP	122Hz

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.

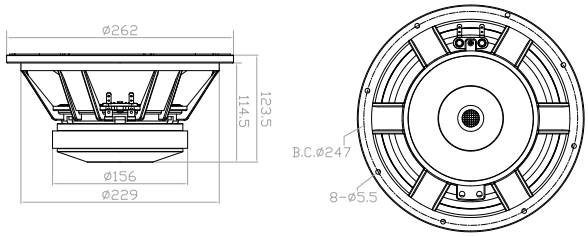
10W65-8S

BASS/MID RANGE DRIVER

KEY FEATURES

- 95dB 1W/1m sensitivity
- 250W AES power handling
- 50Hz-3kHz frequency response
- 63.8mm (2.5in) copper clad aluminum voice coil
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems

MECHANICAL DRAWING

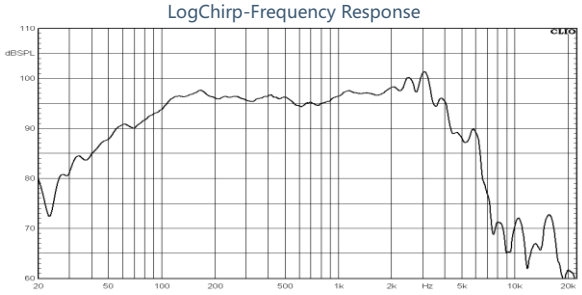


GENERAL SPECIFICATIONS

Part Number	10W65-8S
Nominal Diameter	262mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	5.8Ω
AES Power Handling[1]	250W
Maximum Power Handling[2]	500W
(1W/1m) Sensitivity (1W/1m)[3]	95dB
Resonance Frequency	50Hz
Frequency Range	50Hz-3kHz
Voice Coil Diameter	63.8mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	15.5mm
Magnetic Gap Depth	8mm
Xmax[4]	6.4mm
Flux Density	1.08T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	4.3kg

FREQUENCY RESPONSE CURVE

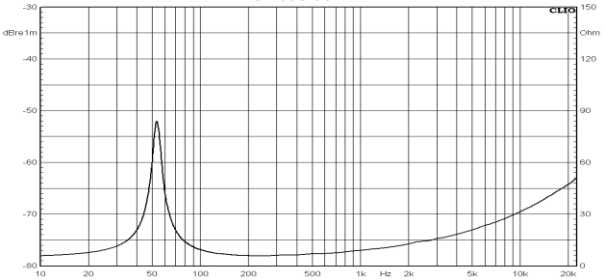
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	53Hz	Qms	7.3
Re	5.1Ω	Qes	0.47
Le	0.40mH	Qts	0.44
Mms	42g	Vas	35L
Mmd	39g	Ref. Efficiency	1.1%
Cms	0.21mm/N	Sd	346cm^2
BL	12.4Tm	EBP	113Hz

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.

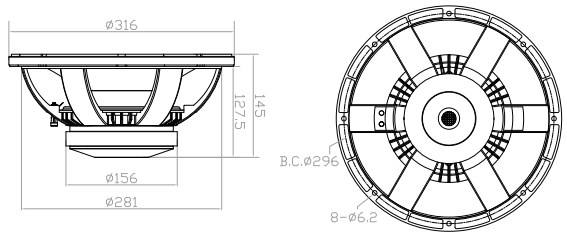
12W65-8S

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 300W AES power handling
- 48Hz-4kHz frequency response
- 63.8mm (2.5in) copper voice coil
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems

MECHANICAL DRAWING

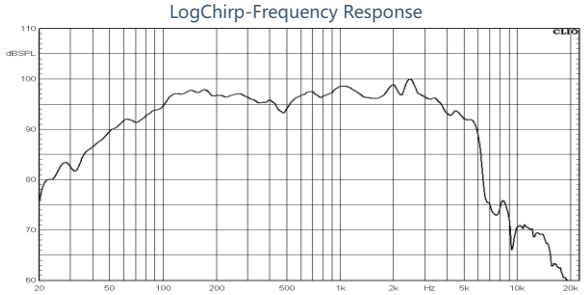


GENERAL SPECIFICATIONS

Part Number	12W65-8S
Nominal Diameter	316mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	6.8Ω
AES Power Handling[1]	300W
Maximum Power Handling[2]	600W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	48Hz
Frequency Range	48Hz-4kHz
Voice Coil Diameter	63.8mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	15.7mm
Magnetic Gap Depth	8mm
Xmax[4]	9.1mm
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	4.7kg

FREQUENCY RESPONSE CURVE

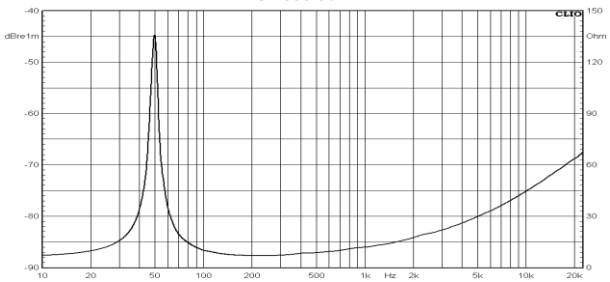
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	49Hz	Qms	9.8
Re	5.6Ω	Qes	0.42
Le	0.59mH	Qts	0.40
Mms	56g	Vas	78L
Mmd	48g	Ref. Efficiency	2.2%
Cms	0.18mm/N	Sd	551cm^2
BL	15.3Tm	EBP	116Hz

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.

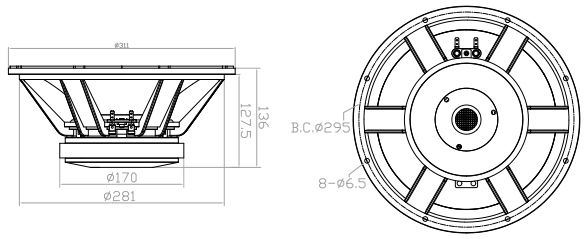
12W75-8S

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 350W AES power handling
- 50Hz-3kHz frequency response
- 75.55mm (3.0in) copper clad aluminum voice coil
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems

MECHANICAL DRAWING

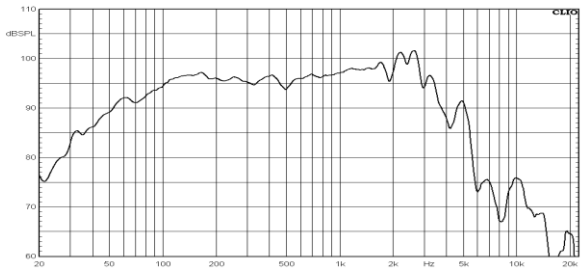


GENERAL SPECIFICATIONS

Part Number	12W75-8S
Nominal Diameter	311mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	7.0Ω
AES Power Handling[1]	350W
Maximum Power Handling[2]	700W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	50Hz
Frequency Range	50Hz-3kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	16.4mm
Magnetic Gap Depth	8mm
Xmax[4]	6.9mm
Flux Density	1.1T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	5.3kg

FREQUENCY RESPONSE CURVE

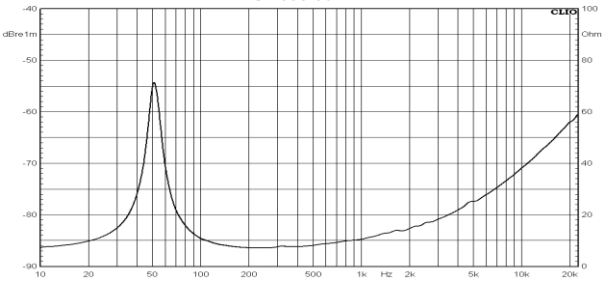
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	51Hz	Qms	5.0
Re	5.6Ω	Qes	0.42
Le	0.51mH	Qts	0.39
Mms	57g	Vas	71L
Mmd	50g	Ref. Efficiency	2.2%
Cms	0.17mm/N	Sd	551cm^2
BL	15.6Tm	EBP	121Hz

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.

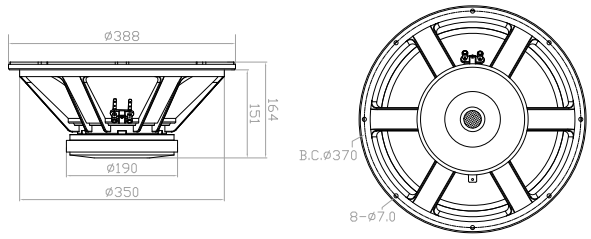
15W75-8S

BASS/MID RANGE DRIVER

KEY FEATURES

- 98.5dB 1W/1m sensitivity
- 400W AES power handling
- 42Hz-3.5kHz frequency response
- 75.55mm (3.0in) copper clad aluminum voice coil
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for compact two way systems

MECHANICAL DRAWING

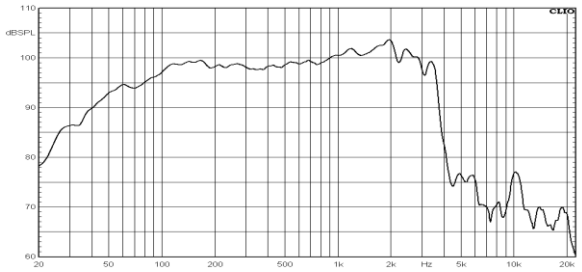


GENERAL SPECIFICATIONS

Part Number	15W75-8S
Nominal Diameter	388mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	6.2Ω
AES Power Handling[1]	400W
Maximum Power Handling[2]	800W
(1W/1m) Sensitivity (1W/1m)[3]	98.5dB
Resonance Frequency	42Hz
Frequency Range	42Hz-3.5kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	18.5mm
Magnetic Gap Depth	10mm
Xmax[4]	7.6mm
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	7.5kg

FREQUENCY RESPONSE CURVE

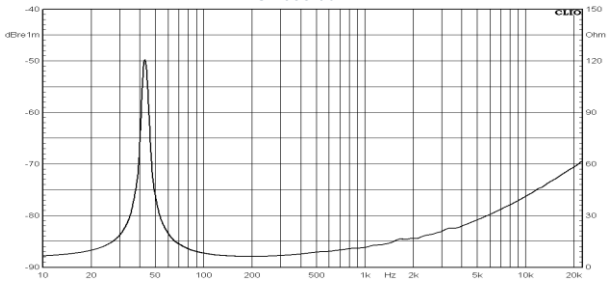
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	43Hz	Qms	9.2
Re	5.1Ω	Qes	0.40
Le	0.54mH	Qts	0.38
Mms	92g	Vas	160L
Mmd	77g	Ref. Efficiency	3.1%
Cms	0.15mm/N	Sd	881cm^2
BL	17.8Tm	EBP	108Hz

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.

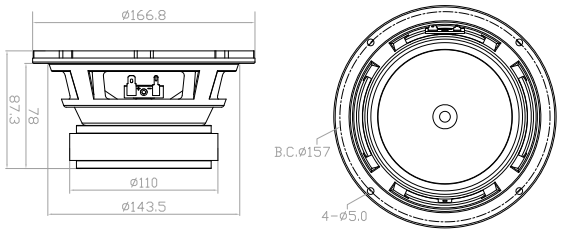
06W35-8TPX

BASS/MID RANGE DRIVER

KEY FEATURES

- 92dB 1W/1m sensitivity
- 120W AES power handling
- 95Hz-10kHz frequency response
- 35.5mm (1.4in) copper voice coil
- Suitable for compact two way systems and multi-way systems

MECHANICAL DRAWING

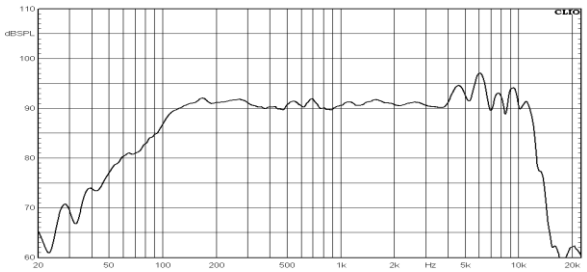


GENERAL SPECIFICATIONS

Part Number	06W35-8TPX
Nominal Diameter	166.8mm (6in)
Nominal Impedance	8Ω
Minimum Impedance	6.0Ω
AES Power Handling[1]	120W
Maximum Power Handling[2]	240W
(1W/1m) Sensitivity (1W/1m)[3]	92dB
Resonance Frequency	95Hz
Frequency Range	95Hz-10kHz
Voice Coil Diameter	35.5mm
Winding Material	Copper
Former Material	Polyimide
Winding Depth	10.2mm
Magnetic Gap Depth	6mm
Xmax[4]	4.1mm
Flux Density	1.15T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	1.8kg

FREQUENCY RESPONSE CURVE

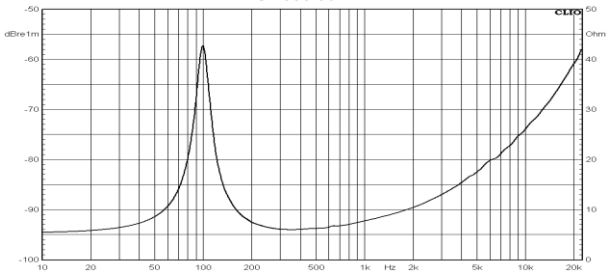
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	99Hz	Qms	4.9
Re	5.6Ω	Qes	0.73
Le	0.32mH	Qts	0.64
Mms	15g	Vas	4.1L
Mmd	14g	Ref. Efficiency	0.6%
Cms	0.17mm/N	Sd	133cm^2
BL	8.5Tm	EBP	135Hz

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.

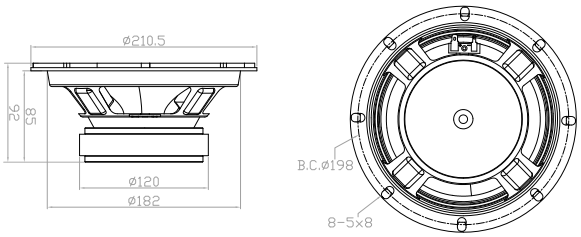
08W35-8TP

BASS/MID RANGE DRIVER

KEY FEATURES

- 94dB 1W/1m sensitivity
- 150W AES power handling
- 65Hz-4kHz frequency response
- 35.5mm (1.4in) copper voice coil
- Suitable for compact two way systems and multi-way systems

MECHANICAL DRAWING

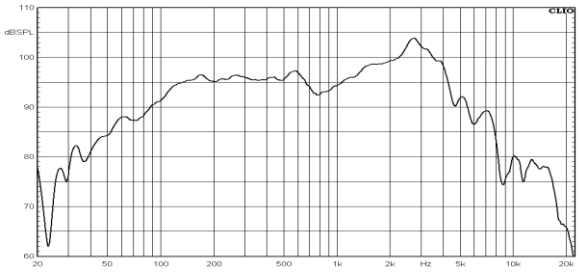


GENERAL SPECIFICATIONS

Part Number	08W35-8TP
Nominal Diameter	210.5mm (8in)
Nominal Impedance	8Ω
Minimum Impedance	6.2Ω
AES Power Handling[1]	150W
Maximum Power Handling[2]	300W
(1W/1m) Sensitivity (1W/1m)[3]	94dB
Resonance Frequency	65Hz
Frequency Range	65Hz-4kHz
Voice Coil Diameter	35.5mm
Winding Material	Copper
Former Material	Polyimide
Winding Depth	10.2mm
Magnetic Gap Depth	6mm
Xmax[4]	4.1mm
Flux Density	1.3T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.2kg

FREQUENCY RESPONSE CURVE

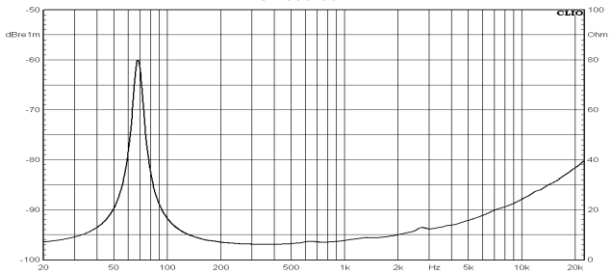
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	68Hz	Qms	6.3
Re	5.9Ω	Qes	0.50
Le	0.30mH	Qts	0.46
Mms	18g	Vas	19L
Mmd	16g	Ref. Efficiency	1.2%
Cms	0.30mm/N	Sd	214cm^2
BL	9.6Tm	EBP	136Hz

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.

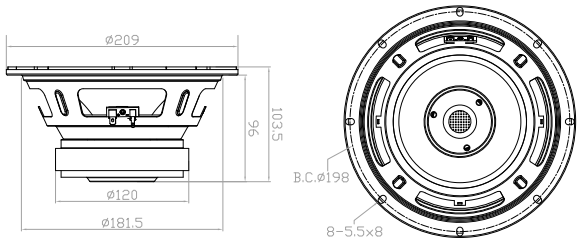
08W50-8TPX

BASS/MID RANGE DRIVER

KEY FEATURES

- 92dB 1W/1m sensitivity
- 200W AES power handling
- 80Hz-5kHz frequency response
- 49.55mm (2.0in) copper voice coil
- Suitable for compact two way systems and multi-way systems

MECHANICAL DRAWING

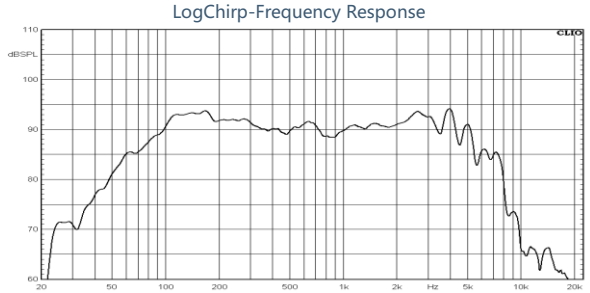


GENERAL SPECIFICATIONS

Part Number	08W50-8TPX
Nominal Diameter	209mm (8in)
Nominal Impedance	8Ω
Minimum Impedance	6.0Ω
AES Power Handling[1]	200W
Maximum Power Handling[2]	400W
(1W/1m) Sensitivity (1W/1m)[3]	92dB
Resonance Frequency	80Hz
Frequency Range	80Hz-5kHz
Voice Coil Diameter	49.55mm
Winding Material	Copper
Former Material	Polyimide
Winding Depth	12.8mm
Magnetic Gap Depth	8mm
Xmax[4]	5.1mm
Flux Density	0.85T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.2kg

FREQUENCY RESPONSE CURVE

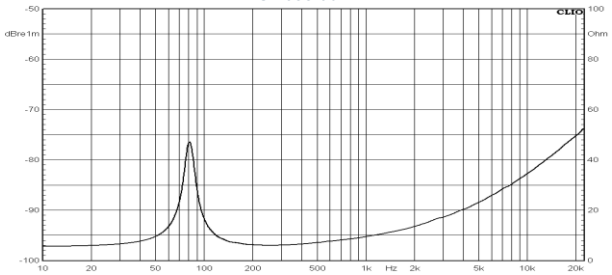
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	80Hz	Qms	6.5
Re	5.6Ω	Qes	0.87
Le	0.45mH	Qts	0.77
Mms	27g	Vas	10.3L
Mmd	25g	Ref. Efficiency	0.6%
Cms	0.14mm/N	Sd	227cm^2
BL	9.4Tm	EBP	92Hz

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.

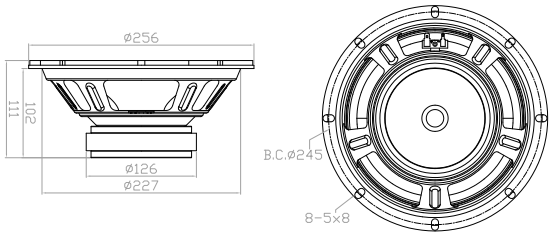
10W50-8TP

BASS/MID RANGE DRIVER

KEY FEATURES

- 95dB 1W/1m sensitivity
- 220W AES power handling
- 50Hz-4kHz frequency response
- 49.55mm (2.0in) copper voice coil
- Suitable for compact two way systems

MECHANICAL DRAWING

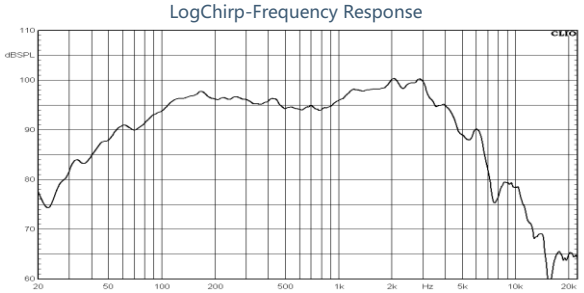


GENERAL SPECIFICATIONS

Part Number	10W50-8TP
Nominal Diameter	256mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	6.2Ω
AES Power Handling[1]	220W
Maximum Power Handling[2]	440W
(1W/1m) Sensitivity (1W/1m)[3]	95dB
Resonance Frequency	50Hz
Frequency Range	50Hz-4kHz
Voice Coil Diameter	49.55mm
Winding Material	Copper
Former Material	Polyimide
Winding Depth	12.6mm
Magnetic Gap Depth	8mm
Xmax[4]	5mm
Flux Density	1.0T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.7kg

FREQUENCY RESPONSE CURVE

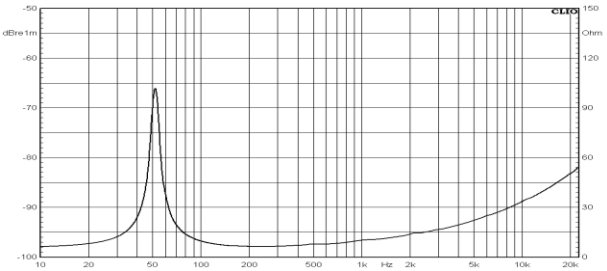
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	52Hz	Qms	8.7
Re	5.9Ω	Qes	0.53
Le	0.43mH	Qts	0.50
Mms	32g	Vas	49L
Mmd	28g	Ref. Efficiency	1.2%
Cms	0.29mm/N	Sd	346cm^2
BL	10.8Tm	EBP	98Hz

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.

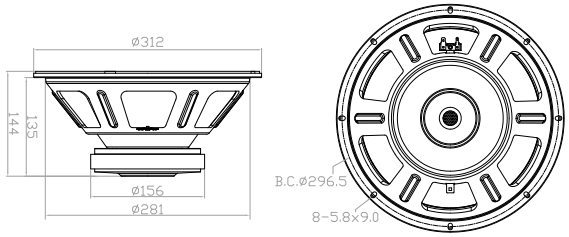
12W65-8TP

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 280W AES power handling
- 45Hz-3.5kHz frequency response
- 63.8mm (2.5in) copper voice coil
- Suitable for compact two way systems

MECHANICAL DRAWING

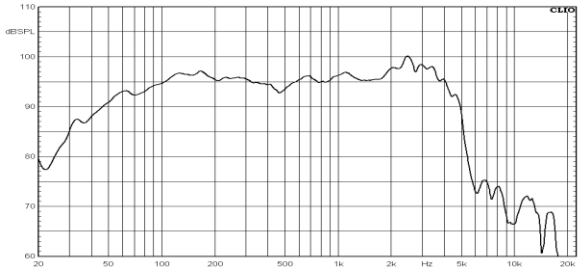


GENERAL SPECIFICATIONS

Part Number	12W65-8TP
Nominal Diameter	312mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	5.9Ω
AES Power Handling[1]	280W
Maximum Power Handling[2]	560W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	45Hz
Frequency Range	45Hz-3.5kHz
Voice Coil Diameter	63.8mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	12.5mm
Magnetic Gap Depth	8mm
Xmax[4]	4.9mm
Flux Density	0.9T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	3.9kg

FREQUENCY RESPONSE CURVE

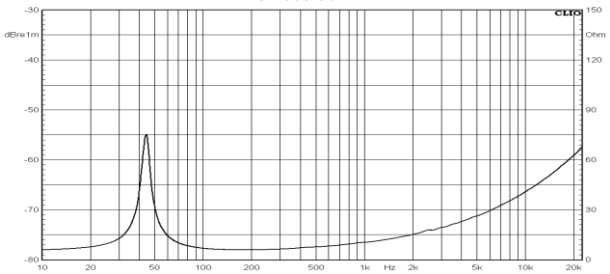
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	44Hz	Qms	8.8
Re	5.6Ω	Qes	0.70
Le	0.54mH	Qts	0.65
Mms	65g	Vas	85L
Mmd	57g	Ref. Efficiency	1.0%
Cms	0.20mm/N	Sd	552cm^2
BL	12Tm	EBP	63Hz

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.

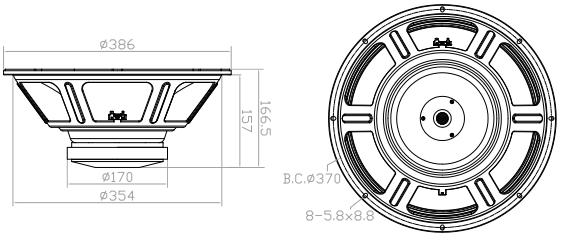
15W65-8TP

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 350W AES power handling
- 45Hz-3.5kHz frequency response
- 63.8mm (2.5in) copper voice coil
- Suitable for compact two way systems

MECHANICAL DRAWING

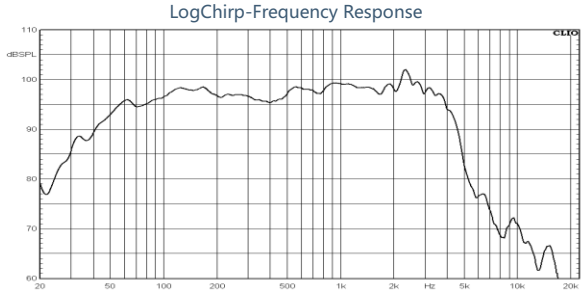


GENERAL SPECIFICATIONS

Part Number	15W65-8TP
Nominal Diameter	386mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	6.3Ω
AES Power Handling[1]	350W
Maximum Power Handling[2]	700W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	45Hz
Frequency Range	45Hz-3.5kHz
Voice Coil Diameter	63.8mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	14.5mm
Magnetic Gap Depth	8mm
Xmax[4]	5.9mm
Flux Density	1.2T
Basket Material	Pressed Steel
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	5.5kg

FREQUENCY RESPONSE CURVE

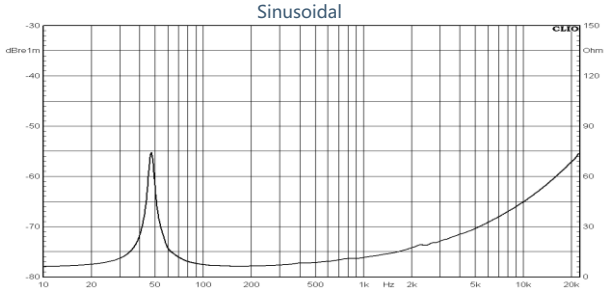
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	47Hz	Qms	8.6
Re	5.8Ω	Qes	0.73
Le	0.59mH	Qts	0.67
Mms	100g	Vas	123L
Mmd	85g	Ref. Efficiency	1.7%
Cms	0.11mm/N	Sd	881cm^2
BL	15.4Tm	EBP	64Hz

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.

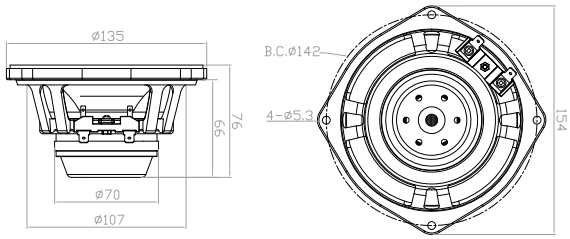
05W35-8NX

BASS/MID RANGE DRIVER

KEY FEATURES

- 94dB 1W/1m sensitivity
- 80W AES power handling
- 120Hz-10kHz frequency response
- 35.5mm (1.4in) copper clad aluminum voice coil
- Lightweight neodymium ring motor system
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and multi-way systems

MECHANICAL DRAWING

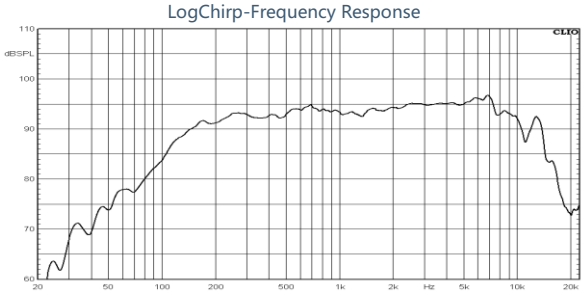


GENERAL SPECIFICATIONS

Part Number	05W35-8NX
Nominal Diameter	135mm (5in)
Nominal Impedance	8Ω
Minimum Impedance	6.0Ω
AES Power Handling[1]	80W
Maximum Power Handling[2]	160W
(1W/1m) Sensitivity (1W/1m)[3]	94dB
Resonance Frequency	120Hz
Frequency Range	120Hz-10kHz
Voice Coil Diameter	35.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	10mm
Magnetic Gap Depth	5mm
Xmax[4]	4.2mm
Flux Density	1.4T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	0.8kg

FREQUENCY RESPONSE CURVE

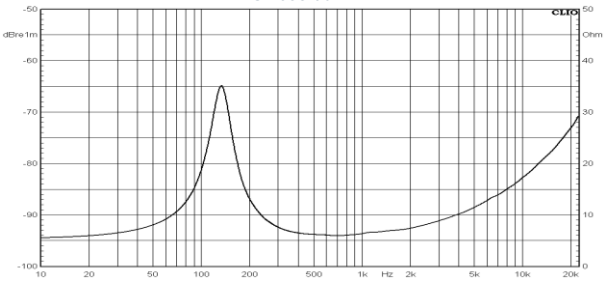
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	127Hz	Qms	3.4
Re	5.6Ω	Qes	0.47
Le	0.21mH	Qts	0.41
Mms	8.7g	Vas	1.7L
Mmd	8.3g	Ref. Efficiency	0.7%
Cms	0.16mm/N	Sd	86.6cm^2
BL	9.5Tm	EBP	270Hz

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.

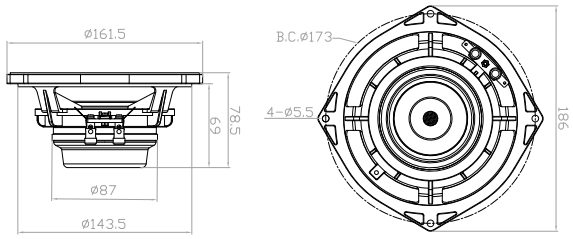
06W38-8NX

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 120W AES power handling
- 150Hz-7kHz frequency response
- 37.6mm (1.5in) aluminum voice coil
- Lightweight neodymium ring motor system
- Aluminum demodulating ring for lower distortion
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for line arrays and multi-way systems

MECHANICAL DRAWING

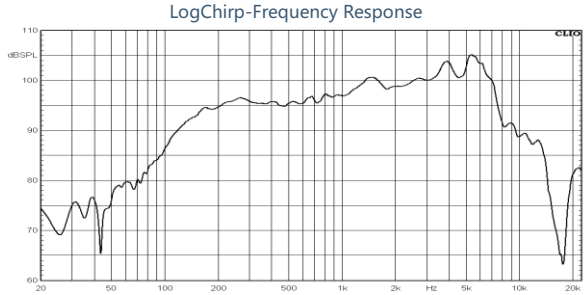


GENERAL SPECIFICATIONS

Part Number	06W38-8NX
Nominal Diameter	161.5mm (6in)
Nominal Impedance	8Ω
Minimum Impedance	7.7Ω
AES Power Handling[1]	120W
Maximum Power Handling[2]	240W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	150Hz
Frequency Range	150Hz-7kHz
Voice Coil Diameter	37.6mm
Winding Material	Aluminum
Former Material	Polyimide
Winding Depth	7.5mm
Magnetic Gap Depth	6mm
Xmax[4]	2.8mm
Flux Density	1.5T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	1.2kg

FREQUENCY RESPONSE CURVE

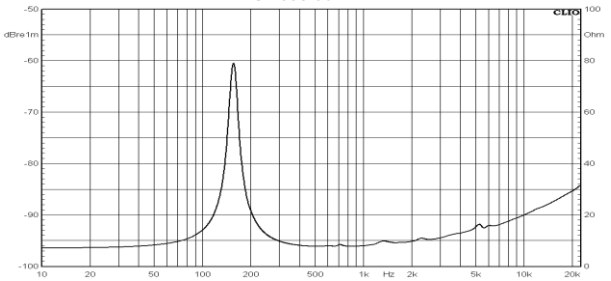
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	155Hz	Qms	7.4
Re	6.4Ω	Qes	0.64
Le	0.23mH	Qts	0.59
Mms	10.5g	Vas	2.4L
Mmd	9.6g	Ref. Efficiency	1.4%
Cms	0.10mm/N	Sd	133cm^2
BL	10Tm	EBP	242Hz

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.

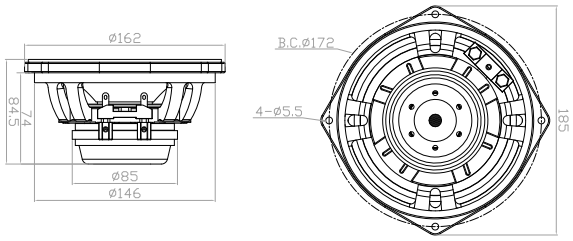
06W44-8NX 16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 200W AES power handling
- 95Hz-4.5kHz frequency response
- 44.2mm (1.7in) aluminum 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 multi-way systems

MECHANICAL DRAWING

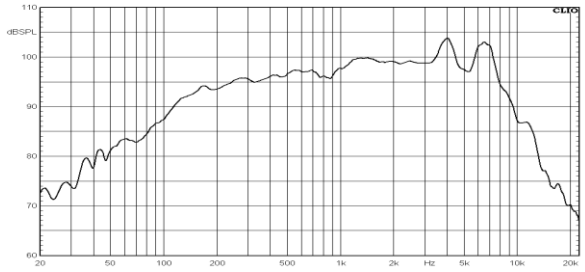


GENERAL SPECIFICATIONS

Part Number	06W44-8NX
Nominal Diameter	162mm (6in)
Nominal Impedance	8Ω
Minimum Impedance	5.5Ω
AES Power Handling[1]	200W
Maximum Power Handling[2]	400W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	90Hz
Frequency Range	90Hz-4.5kHz
Voice Coil Diameter	44.2mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	10mm
Magnetic Gap Depth	6mm
Xmax[4]	4.0mm
Flux Density	1.5T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	1.3kg

FREQUENCY RESPONSE CURVE

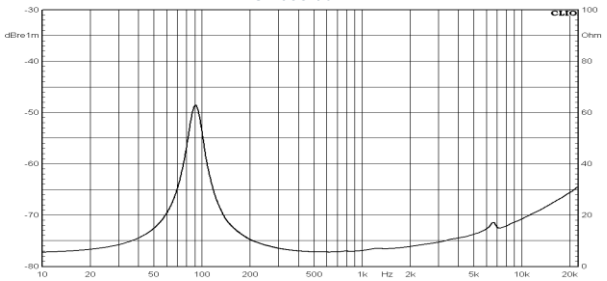
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	91Hz	Qms	3.8
Re	5.2Ω	Qes	0.33
Le	0.23mH	Qts	0.31
Mms	15g	Vas	4.9L
Mmd	14g	Ref. Efficiency	1.1%
Cms	0.20mm/N	Sd	133cm^2
BL	11.5Tm	EBP	275Hz

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.

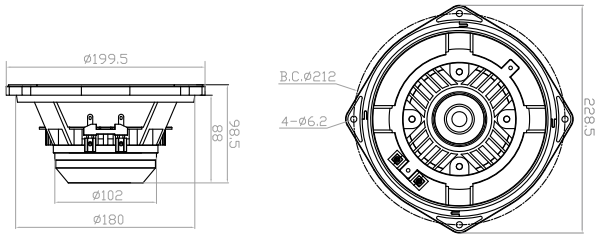
08W50-8NXH 16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 250W AES power handling
- 78Hz-5kHz frequency response
- 50.6mm (2.0in) copper clad aluminum 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 multi-way systems

MECHANICAL DRAWING

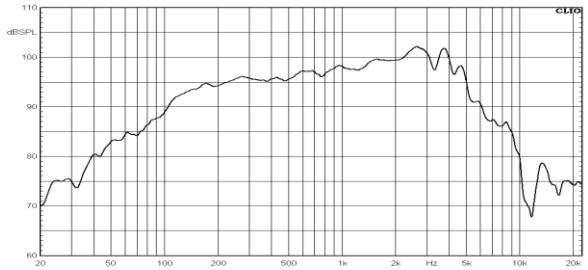


GENERAL SPECIFICATIONS

Part Number	08W50-8NXH
Nominal Diameter	199.5mm (8in)
Nominal Impedance	8Ω
Minimum Impedance	6.5Ω
AES Power Handling[1]	250W
Maximum Power Handling[2]	500W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	78Hz
Frequency Range	78Hz-5kHz
Voice Coil Diameter	50.6mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	15.4mm
Magnetic Gap Depth	8mm
Xmax[4]	6.4mm
Flux Density	1.4T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Ring
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.2kg

FREQUENCY RESPONSE CURVE

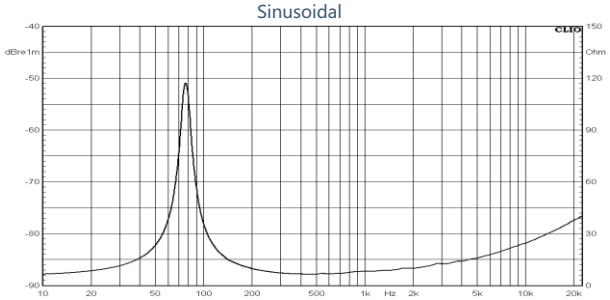
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	77Hz	Qms	6.1
Re	5.3Ω	Qes	0.29
Le	0.31mH	Qts	0.27
Mms	23g	Vas	12L
Mmd	21g	Ref. Efficiency	1.8%
Cms	0.18mm/N	Sd	214cm^2
BL	14.4Tm	EBP	265Hz

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.

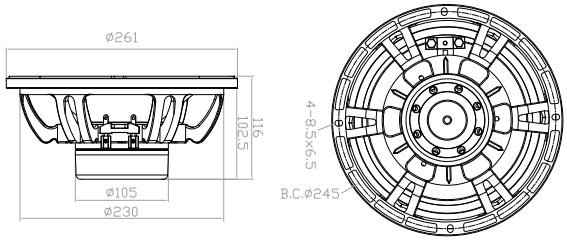
10W65-8NX 16Ω Available

BASS/MID RANGE DRIVER

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

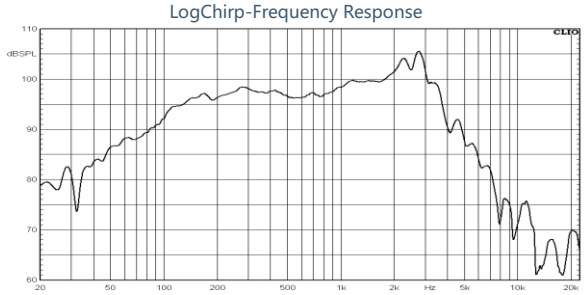


GENERAL SPECIFICATIONS

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
(1W/1m) 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
Xmax[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

FREQUENCY RESPONSE CURVE

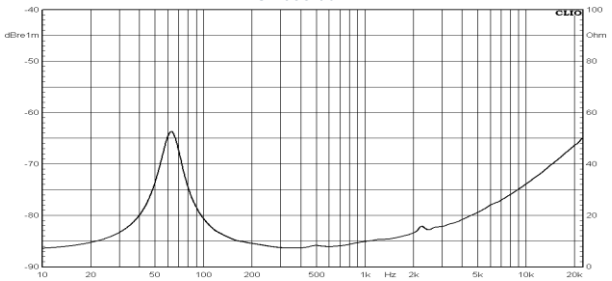
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	63Hz	Qms	2.9
Re	5.6Ω	Qes	0.34
Le	0.42mH	Qts	0.31
Mms	36g	Vas	30L
Mmd	32g	Ref. Efficiency	2.1%
Cms	0.18mm/N	Sd	346cm^2
BL	15.2Tm	EBP	185Hz

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.

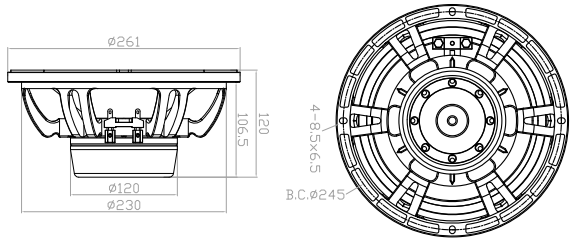
10W75-8NS 16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 350W AES power handling
- 60Hz-3.5kHz frequency response
- 75.55mm (3.0in) 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

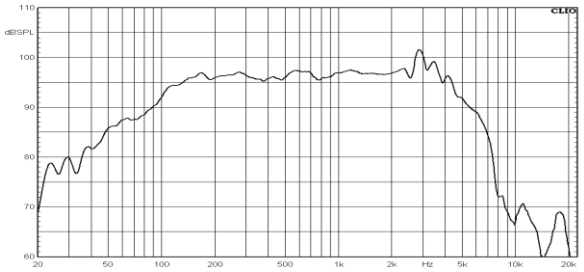


GENERAL SPECIFICATIONS

Part Number	10W75-8NS
Nominal Diameter	261mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	7.3Ω
AES Power Handling[1]	350W
Maximum Power Handling[2]	700W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	60Hz
Frequency Range	60Hz-3.5kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	18.5mm
Magnetic Gap Depth	10mm
Xmax[4]	7.6mm
Flux Density	1.1T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Inside Slug
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	3.7kg

FREQUENCY RESPONSE CURVE

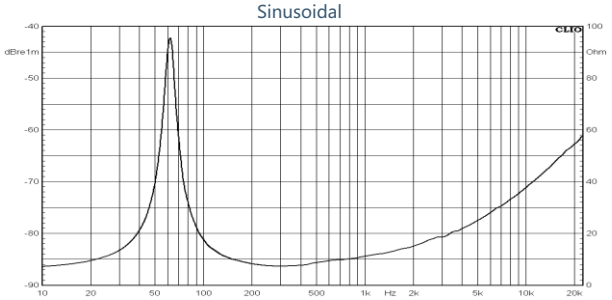
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	62Hz	Qms	5.5
Re	5.1Ω	Qes	0.31
Le	0.49mH	Qts	0.29
Mms	44g	Vas	25L
Mmd	40g	Ref. Efficiency	1.8%
Cms	0.15mm/N	Sd	346cm^2
BL	16.9Tm	EBP	200Hz

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.

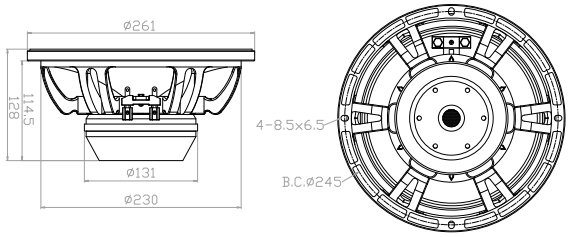
10W75-8NX 16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 99dB 1W/1m sensitivity
- 400W AES power handling
- 60Hz-3.5kHz frequency response
- 75.55mm (3.0in) copper clad aluminum 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

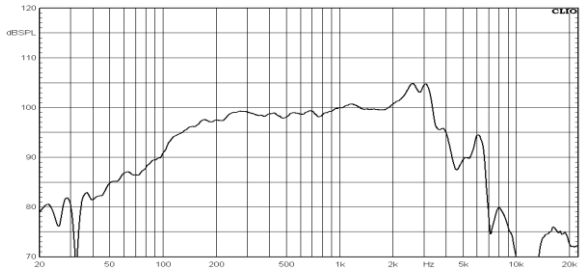


GENERAL SPECIFICATIONS

Part Number	10W75-8NX
Nominal Diameter	261mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	6.8Ω
AES Power Handling[1]	400W
Maximum Power Handling[2]	800W
(1W/1m) Sensitivity (1W/1m)[3]	99dB
Resonance Frequency	60Hz
Frequency Range	60Hz-3.5kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	18.5mm
Magnetic Gap Depth	11mm
Xmax[4]	7.4mm
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	4.8kg

FREQUENCY RESPONSE CURVE

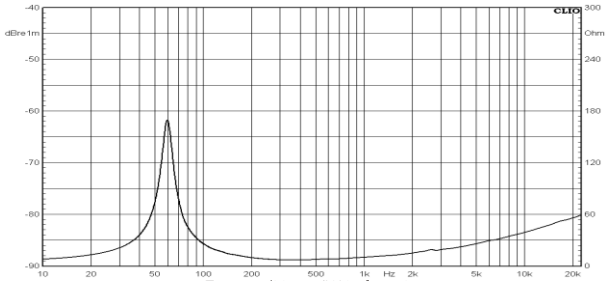
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	60Hz	Qms	6.2
Re	5.0Ω	Qes	0.19
Le	0.52mH	Qts	0.18
Mms	43g	Vas	27L
Mmd	39g	Ref. Efficiency	3.1%
Cms	0.16mm/N	Sd	346cm^2
BL	21Tm	EBP	315Hz

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.

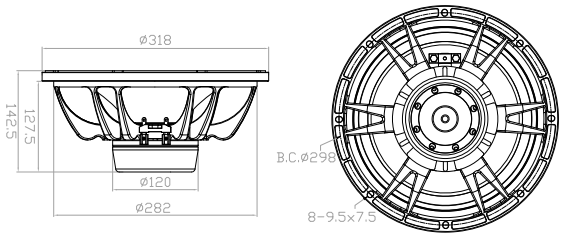
12W75-8NS 16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 98.5dB 1W/1m sensitivity
- 400W AES power handling
- 55Hz-3kHz frequency response
- 75.55mm (3.0in) 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

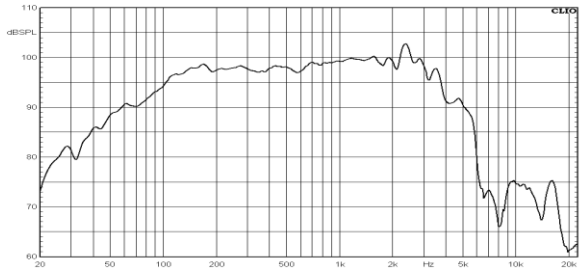


GENERAL SPECIFICATIONS

Part Number	12W75-8NS
Nominal Diameter	318mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	6.8Ω
AES Power Handling[1]	400W
Maximum Power Handling[2]	800W
(1W/1m) Sensitivity (1W/1m)[3]	98.5dB
Resonance Frequency	55Hz
Frequency Range	55Hz-3kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	18.5mm
Magnetic Gap Depth	10mm
Xmax[4]	7.6mm
Flux Density	1.1T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Inside Slug
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	4.0kg

FREQUENCY RESPONSE CURVE

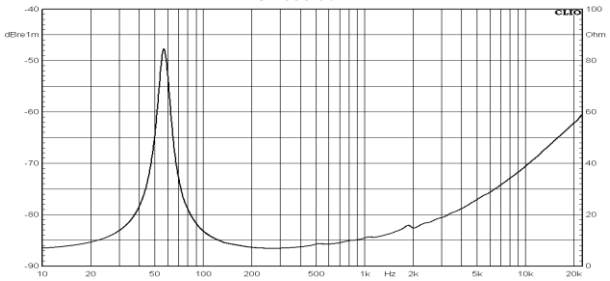
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	55Hz	Qms	5.4
Re	5.1Ω	Qes	0.34
Le	0.51mH	Qts	0.32
Mms	57g	Vas	54L
Mmd	50g	Ref. Efficiency	2.8%
Cms	0.14mm/N	Sd	531cm^2
BL	17.4Tm	EBP	165Hz

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.

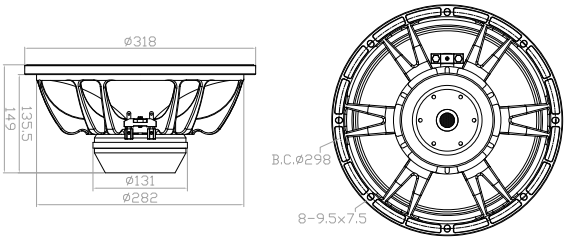
12W75-8NX 16Ω Available

BASS/MID RANGE DRIVER

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

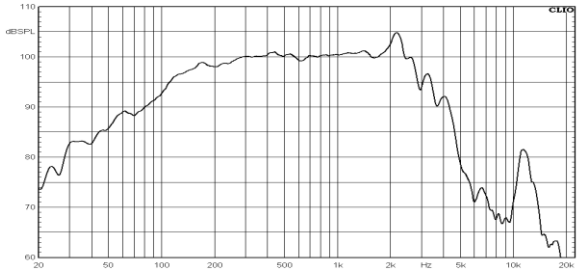


GENERAL SPECIFICATIONS

Part Number	12W75-8NX
Nominal Diameter	318mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	6.3Ω
AES Power Handling[1]	500W
Maximum Power Handling[2]	1000W
(1W/1m) Sensitivity (1W/1m)[3]	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
Xmax[4]	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

FREQUENCY RESPONSE CURVE

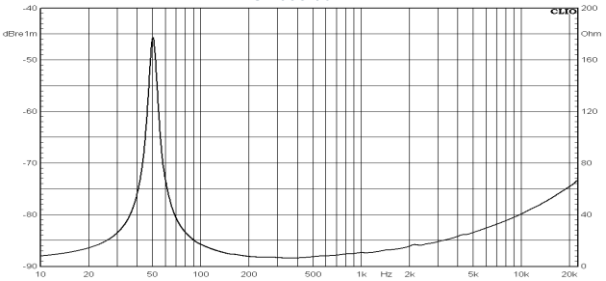
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	50Hz	Qms	6.9
Re	5.2Ω	Qes	0.21
Le	0.53mH	Qts	0.20
Mms	72g	Vas	54L
Mmd	65g	Ref. Efficiency	3.2%
Cms	0.14mm/N	Sd	531cm^2
BL	24Tm	EBP	238Hz

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.

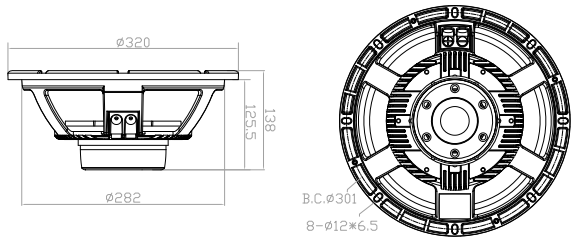
12W86-8NX 16Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 99dB 1W/1m sensitivity
- 600W AES power handling
- 50Hz-2.5kHz frequency response
- 86mm (3.4in) 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

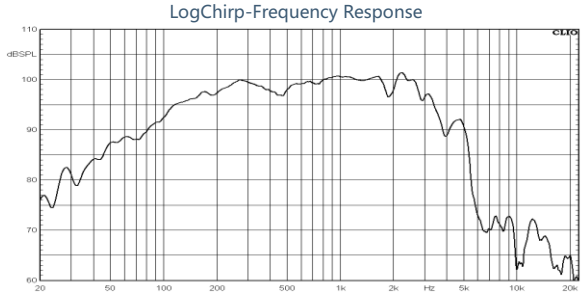


GENERAL SPECIFICATIONS

Part Number	12W86-8NX
Nominal Diameter	320mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	6.7Ω
AES Power Handling[1]	600W
Maximum Power Handling[2]	1200W
(1W/1m) Sensitivity (1W/1m)[3]	99dB
Resonance Frequency	50Hz
Frequency Range	50Hz-2.5kHz
Voice Coil Diameter	86mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	21mm
Magnetic Gap Depth	11mm
Xmax[4]	8.7mm
Flux Density	1.3T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Inside Slug
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	4.3kg

FREQUENCY RESPONSE CURVE

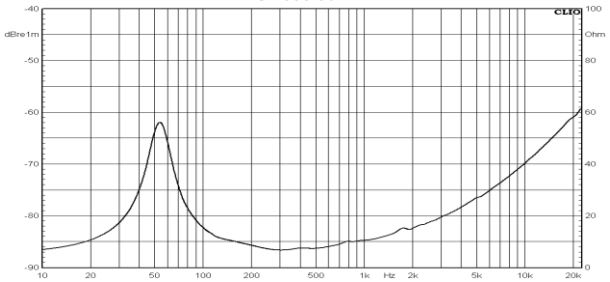
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	53Hz	Qms	2.8
Re	5.0Ω	Qes	0.27
Le	0.53mH	Qts	0.25
Mms	79g	Vas	43L
Mmd	72g	Ref. Efficiency	2.4%
Cms	0.11mm/N	Sd	531cm^2
BL	22Tm	EBP	196Hz

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.

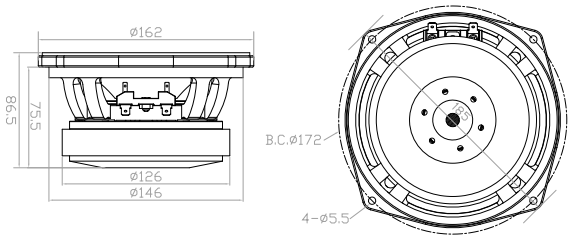
06W44-16FX

BASS/MID RANGE DRIVER

KEY FEATURES

- 5dB 1W/1m sensitivity
- 200W AES power handling
- 85Hz-4.5kHz frequency response
- 44.2mm (1.7in) 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 line arrays and compact two way systems

MECHANICAL DRAWING

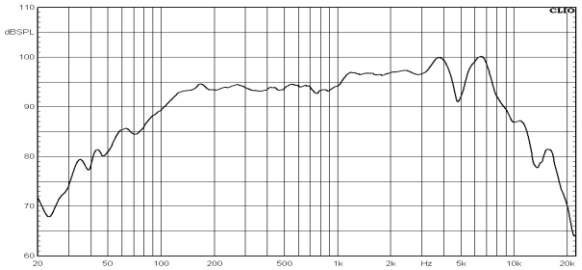


GENERAL SPECIFICATIONS

Part Number	06W44-16FX
Nominal Diameter	162mm (6in)
Nominal Impedance	16Ω
Minimum Impedance	12.0Ω
AES Power Handling[1]	200W
Maximum Power Handling[2]	400W
(1W/1m) Sensitivity (1W/1m)[3]	95dB
Resonance Frequency	85Hz
Frequency Range	85Hz-4.5kHz
Voice Coil Diameter	44.2mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	10.8mm
Magnetic Gap Depth	6mm
Xmax[4]	4.4mm
Flux Density	1.25T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	2.5kg

FREQUENCY RESPONSE CURVE

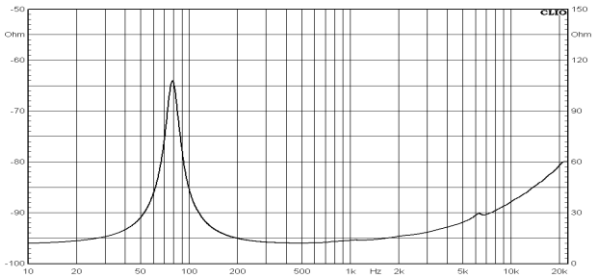
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	83Hz	Qms	4.6
Re	11.6Ω	Qes	0.59
Le	0.44mH	Qts	0.52
Mms	15g	Vas	6.7L
Mmd	14g	Ref. Efficiency	0.6%
Cms	0.23mm/N	Sd	143cm^2
BL	12.6Tm	EBP	140Hz

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 4 V for 16 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.

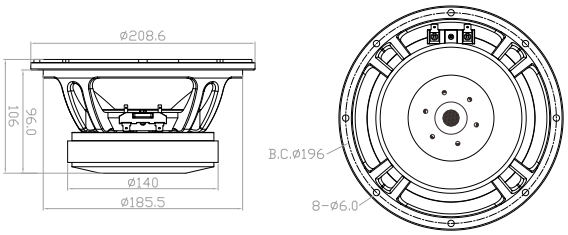
08W50-16FX

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 250W AES power handling
- 70Hz-4kHz frequency response
- 49.55mm (2.0in) 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 line arrays and compact two way systems

MECHANICAL DRAWING

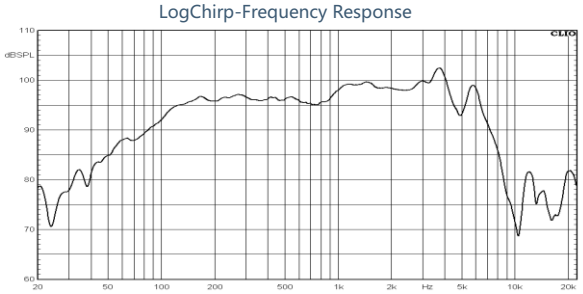


GENERAL SPECIFICATIONS

Part Number	08W50-16FX
Nominal Diameter	209mm (8in)
Nominal Impedance	16Ω
Minimum Impedance	12.8Ω
AES Power Handling[1]	250W
Maximum Power Handling[2]	500W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	70Hz
Frequency Range	70Hz-4kHz
Voice Coil Diameter	49.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	15.2mm
Magnetic Gap Depth	8mm
Xmax[4]	6.3mm
Flux Density	1.25T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	3.5kg

FREQUENCY RESPONSE CURVE

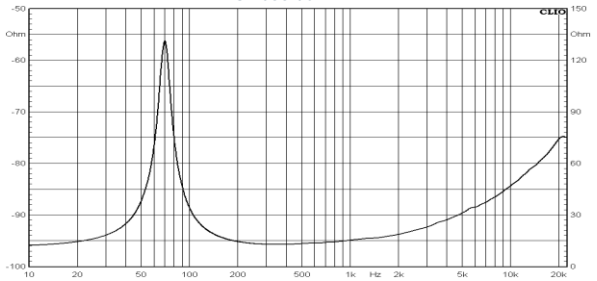
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	72Hz	Qms	5.4
Re	11.6Ω	Qes	0.50
Le	0.56mH	Qts	0.46
Mms	22g	Vas	15L
Mmd	20g	Ref. Efficiency	1.1%
Cms	0.21mm/N	Sd	227cm^2
BL	15.5Tm	EBP	144Hz

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 4 V for 16 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.

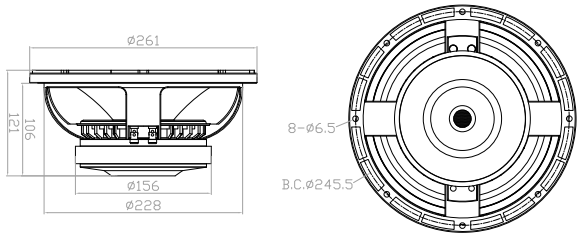
10W65-16FX

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 300W AES power handling
- 55Hz-4kHz frequency response
- 63.8mm (2.5in) aluminum voice coil
- 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

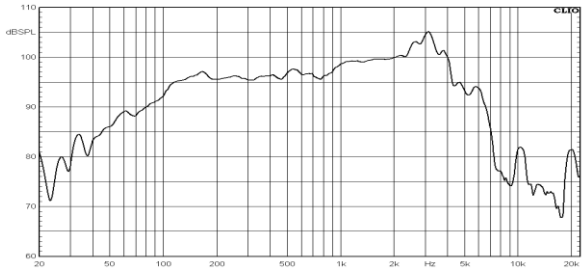


GENERAL SPECIFICATIONS

Part Number	10W65-16FX
Nominal Diameter	261mm (10in)
Nominal Impedance	16Ω
Minimum Impedance	13.1Ω
AES Power Handling[1]	300W
Maximum Power Handling[2]	600W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	55Hz
Frequency Range	55Hz-4kHz
Voice Coil Diameter	63.8mm
Winding Material	Aluminum
Former Material	Glass Fiber
Winding Depth	14mm
Magnetic Gap Depth	8mm
Xmax[4]	5.7mm
Flux Density	1.25T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	4.5kg

FREQUENCY RESPONSE CURVE

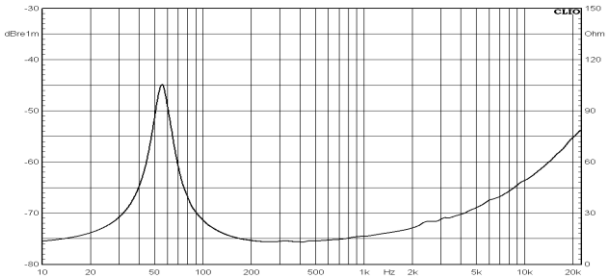
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	55Hz	Qms	3.5
Re	12.6Ω	Qes	0.48
Le	0.60mH	Qts	0.42
Mms	39g	Vas	35L
Mmd	35g	Ref. Efficiency	1.2%
Cms	0.21mm/N	Sd	346cm^2
BL	18.9Tm	EBP	115Hz

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 4 V for 16 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.

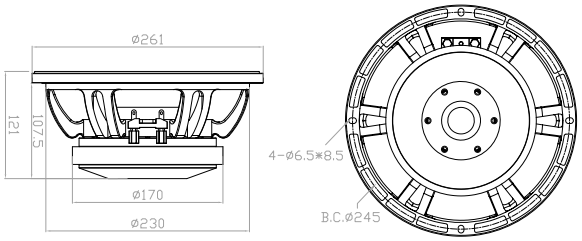
10W75-16FX

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 400W AES power handling
- 65Hz-4kHz frequency response
- 75.55mm (2.5in) 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 line arrays and compact two way systems

MECHANICAL DRAWING

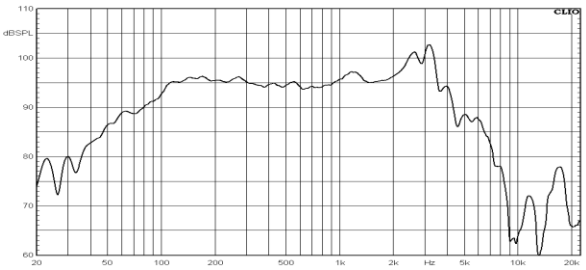


GENERAL SPECIFICATIONS

Part Number	10W75-16FX
Nominal Diameter	261mm (10in)
Nominal Impedance	16Ω
Minimum Impedance	14.4Ω
AES Power Handling[1]	400W
Maximum Power Handling[2]	800W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	65Hz
Frequency Range	65Hz-4kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	18.5mm
Magnetic Gap Depth	10mm
Xmax[4]	7.6mm
Flux Density	1.2T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	5.8kg

FREQUENCY RESPONSE CURVE

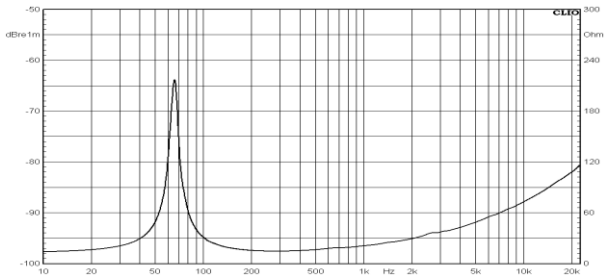
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	66Hz	Qms	8.8
Re	12.3Ω	Qes	0.52
Le	0.90mH	Qts	0.49
Mms	42g	Vas	25L
Mmd	38g	Ref. Efficiency	1.2%
Cms	0.14mm/N	Sd	346cm^2
BL	20.2Tm	EBP	127Hz

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 4 V for 16 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.

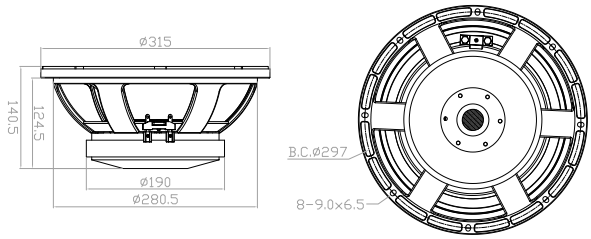
12W75-16FX

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 400W AES power handling
- 65Hz-4kHz frequency response
- 75.55mm (2.5in) 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 line arrays and compact two way systems

MECHANICAL DRAWING

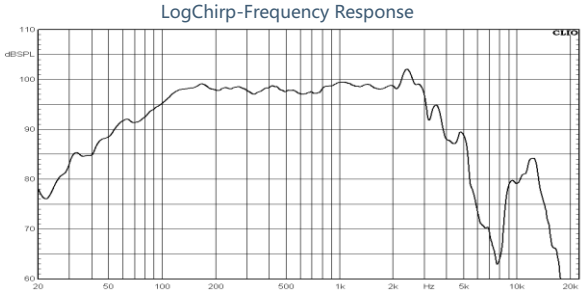


GENERAL SPECIFICATIONS

Part Number	12W75-16FX
Nominal Diameter	315mm (12in)
Nominal Impedance	16Ω
Minimum Impedance	14.6Ω
AES Power Handling[1]	500W
Maximum Power Handling[2]	1000W
(1W/1m) Sensitivity (1W/1m)[3]	98dB
Resonance Frequency	52Hz
Frequency Range	52Hz-2.5kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	19.2mm
Magnetic Gap Depth	10mm
Xmax[4]	7.9mm
Flux Density	1.25T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	7.6kg

FREQUENCY RESPONSE CURVE

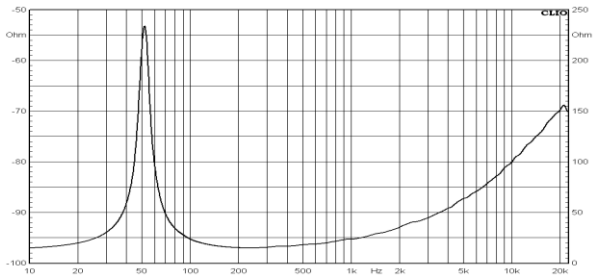
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	53Hz	Qms	8.3
Re	13.8Ω	Qes	0.44
Le	1.2mH	Qts	0.42
Mms	68g	Vas	47L
Mmd	61g	Ref. Efficiency	1.7%
Cms	0.12mm/N	Sd	531cm^2
BL	27.2Tm	EBP	125Hz

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 4 V for 16 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.

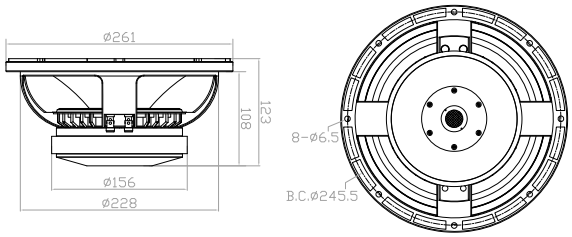
10W65-8XH

BASS/MID RANGE DRIVER

KEY FEATURES

- 95dB 1W/1m sensitivity
- 300W AES power handling
- 52Hz-3kHz frequency response
- 63.8mm (2.5in) 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

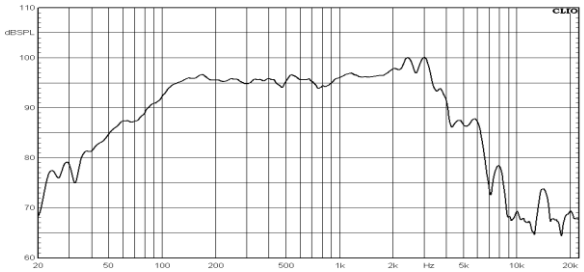


GENERAL SPECIFICATIONS

Part Number	10W65-8XH
Nominal Diameter	261mm (10in)
Nominal Impedance	8Ω
Minimum Impedance	6.9Ω
AES Power Handling[1]	300W
Maximum Power Handling[2]	600W
(1W/1m) Sensitivity (1W/1m)[3]	95dB
Resonance Frequency	52Hz
Frequency Range	52Hz-3kHz
Voice Coil Diameter	63.8mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	16.9mm
Magnetic Gap Depth	10mm
Xmax[4]	6.8mm
Flux Density	1.0T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Fabric
Surround Material	M-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	4.6kg

FREQUENCY RESPONSE CURVE

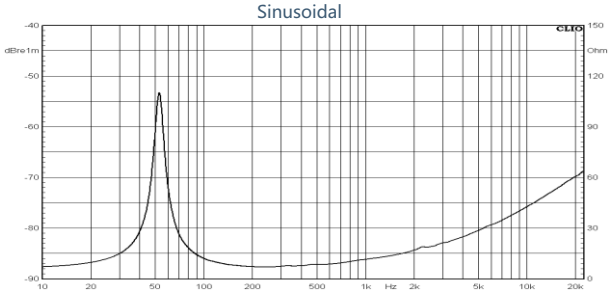
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	53Hz	Qms	7.3
Re	5.6Ω	Qes	0.38
Le	0.56mH	Qts	0.36
Mms	38g	Vas	39L
Mmd	34g	Ref. Efficiency	1.5%
Cms	0.23mm/N	Sd	346cm^2
BL	13.6Tm	EBP	139Hz

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.

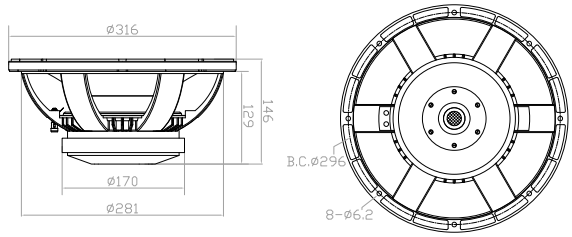
12W75-8XH

BASS/MID RANGE DRIVER

KEY FEATURES

- 98dB 1W/1m sensitivity
- 350W AES power handling
- 50Hz-3kHz frequency response
- 75.55mm (3.0in) 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

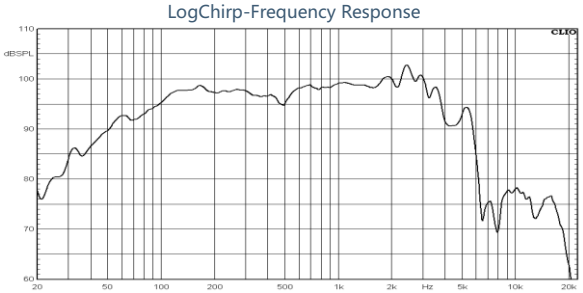


GENERAL SPECIFICATIONS

Part Number	12W75-8XH
Nominal Diameter	316mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	5.4Ω
AES Power Handling[1]	350W
Maximum Power Handling[2]	700W
(1W/1m) Sensitivity (1W/1m)[3]	98dB
Resonance Frequency	50Hz
Frequency Range	50Hz-3kHz
Voice Coil Diameter	75.55mm
Winding Material	Aluminum
Former Material	Glass Fiber
Winding Depth	16.4mm
Magnetic Gap Depth	10mm
Xmax[4]	6.5mm
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	5.8kg

FREQUENCY RESPONSE CURVE

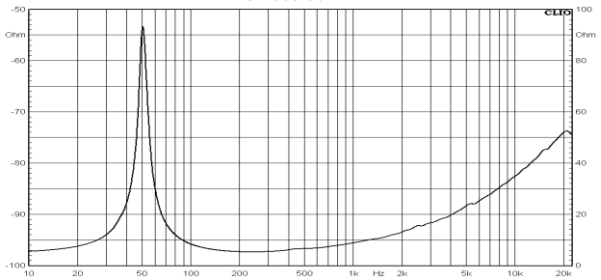
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	48Hz	Qms	6.5
Re	5.0Ω	Qes	0.42
Le	0.47mH	Qts	0.39
Mms	67g	Vas	65L
Mmd	60g	Ref. Efficiency	1.6%
Cms	0.16mm/N	Sd	531cm^2
BL	15.5Tm	EBP	114Hz

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.

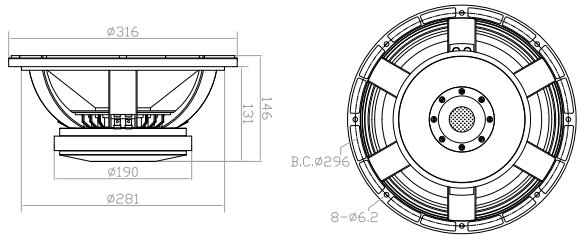
12W75-8XHP

BASS/MID RANGE DRIVER

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

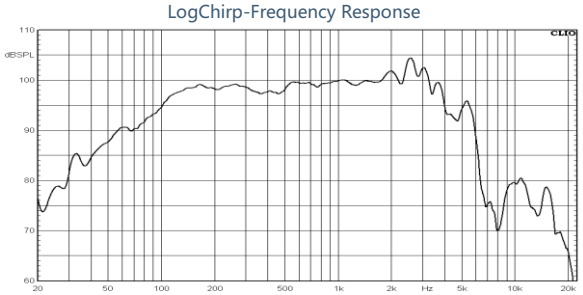


GENERAL SPECIFICATIONS

Part Number	12W75-8XHP
Nominal Diameter	316mm (12in)
Nominal Impedance	8Ω
Minimum Impedance	6.2Ω
AES Power Handling[1]	450W
Maximum Power Handling[2]	900W
(1W/1m) Sensitivity (1W/1m)[3]	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[4]	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

FREQUENCY RESPONSE CURVE

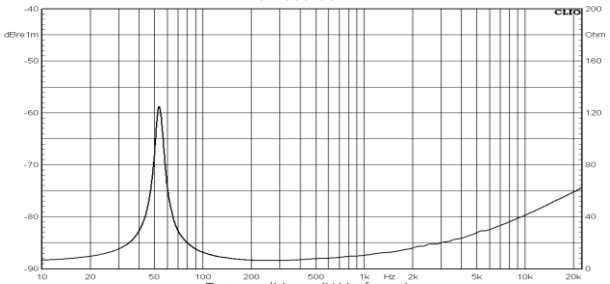
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

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^2
BL	18.1Tm	EBP	165Hz

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.

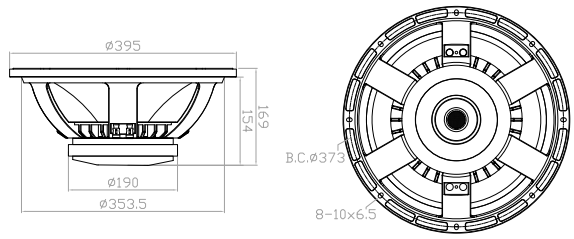
15W75-8XH

BASS/MID RANGE DRIVER

KEY FEATURES

- 100dB 1W/1m sensitivity
- 500W AES power handling
- 48Hz-2.5kHz 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

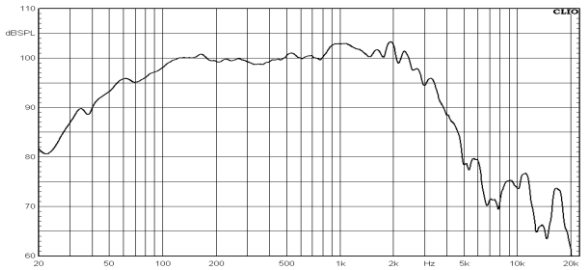


GENERAL SPECIFICATIONS

Part Number	15W75-8XH
Nominal Diameter	395mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	5.5Ω
AES Power Handling[1]	500W
Maximum Power Handling[2]	1000W
(1W/1m) Sensitivity (1W/1m)[3]	100dB
Resonance Frequency	48Hz
Frequency Range	48Hz-2.5kHz
Voice Coil Diameter	75.55mm
Winding Material	Copper Clad Aluminum
Former Material	Glass Fiber
Winding Depth	18.5mm
Magnetic Gap Depth	11mm
Xmax[4]	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	8.0kg

FREQUENCY RESPONSE CURVE

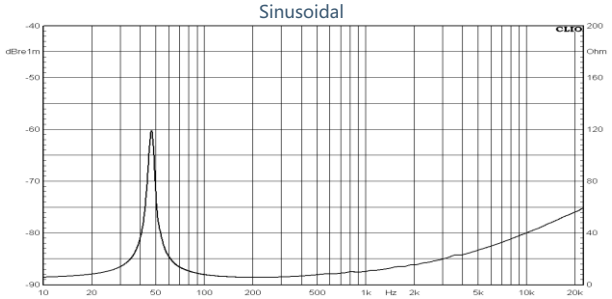
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	47Hz	Qms	10.9
Re	5.5Ω	Qes	0.53
Le	0.52mH	Qts	0.50
Mms	113g	Vas	108L
Mmd	99g	Ref. Efficiency	2.1%
Cms	0.10mm/N	Sd	882cm^2
BL	18.7Tm	EBP	88Hz

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.

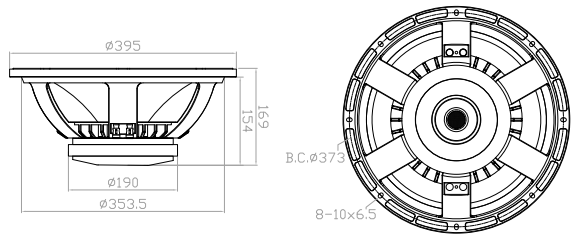
15W75-8XHC

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

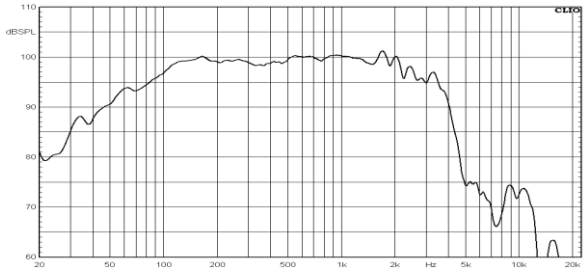


GENERAL SPECIFICATIONS

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
(1W/1m) 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

FREQUENCY RESPONSE CURVE

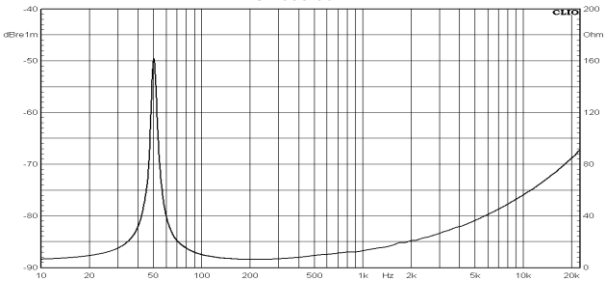
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

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

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.

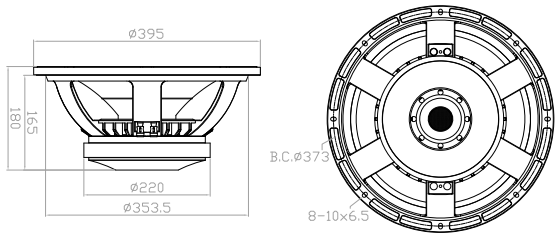
15SW100-8BP 4Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 1000W AES power handling
- 40Hz-1.5kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs and compact two way systems

MECHANICAL DRAWING

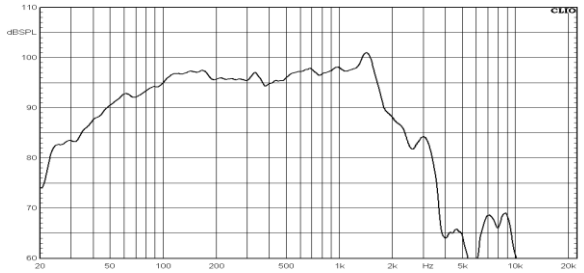


GENERAL SPECIFICATIONS

Part Number	15SW100-8BP
Nominal Diameter	395mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	6.6Ω
AES Power Handling[1]	1000W
Maximum Power Handling[2]	2000W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	40Hz
Frequency Range	40Hz-1.5kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	28.6mm
Magnetic Gap Depth	12mm
Xmax[4]	12.3mm
Flux Density	1.05T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	12kg

FREQUENCY RESPONSE CURVE

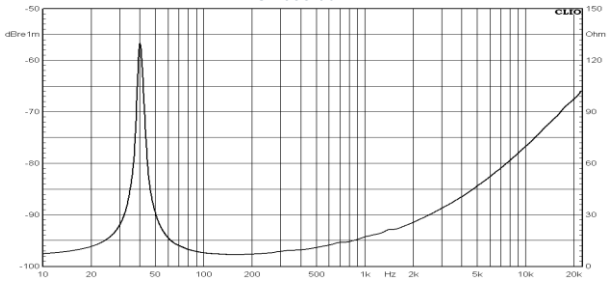
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	40Hz	Qms	9.4
Re	5.3Ω	Qes	0.40
Le	0.96mH	Qts	0.38
Mms	180g	Vas	94L
Mmd	165g	Ref. Efficiency	1.5%
Cms	0.09mm/N	Sd	881cm^2
BL	24.5Tm	EBP	100Hz

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.

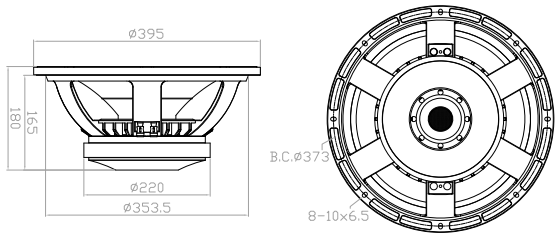
15SW100-8BS 4Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 1000W AES power handling
- 40Hz-1.5kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs and compact two way systems

MECHANICAL DRAWING

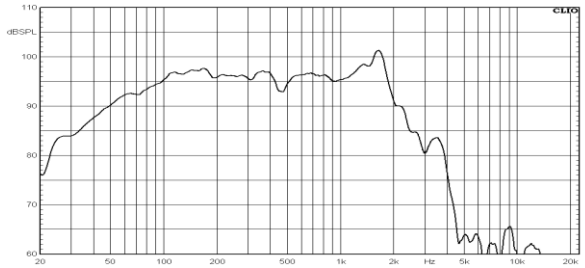


GENERAL SPECIFICATIONS

Part Number	15SW100-8BS
Nominal Diameter	395mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	6.5Ω
AES Power Handling[1]	1000W
Maximum Power Handling[2]	2000W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	40Hz
Frequency Range	40Hz-1.5kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	25.2mm
Magnetic Gap Depth	12mm
Xmax[4]	10.6mm
Flux Density	1.05T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	12kg

FREQUENCY RESPONSE CURVE

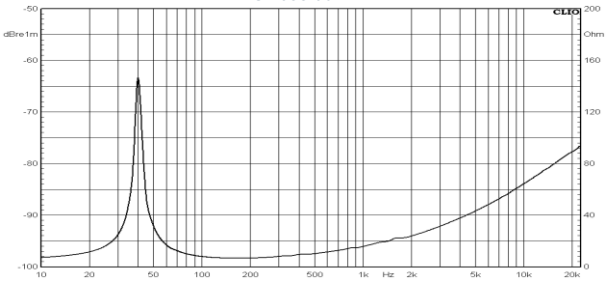
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	40Hz	Qms	10.3
Re	5.0Ω	Qes	0.36
Le	0.87mH	Qts	0.35
Mms	179g	Vas	95L
Mmd	164g	Ref. Efficiency	1.6%
Cms	0.09mm/N	Sd	881cm^2
BL	24.9Tm	EBP	111Hz

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.

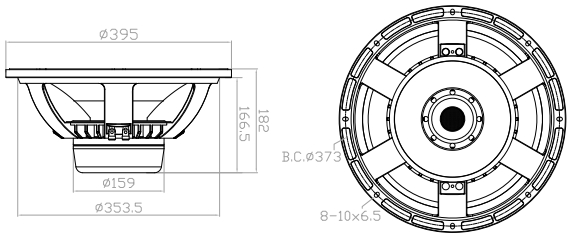
15SW100-8NW 4Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 1000W AES power handling
- 38Hz-1.5kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Lightweight neodymium inside slug motor system
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs and compact two way systems

MECHANICAL DRAWING

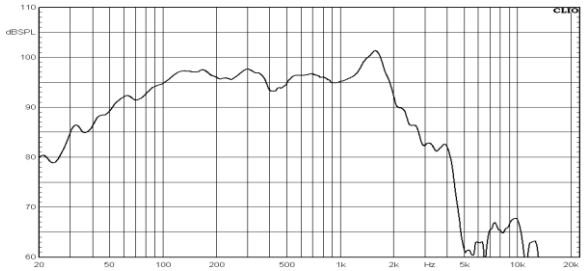


GENERAL SPECIFICATIONS

Part Number	15SW100-8NW
Nominal Diameter	395mm (15in)
Nominal Impedance	8Ω
Minimum Impedance	6.6Ω
AES Power Handling[1]	1000W
Maximum Power Handling[2]	2000W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	38Hz
Frequency Range	38Hz-1.5kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	28.6mm
Magnetic Gap Depth	12.5mm
Xmax[4]	12.2mm
Flux Density	1.1T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Inside Slug
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	8.3kg

FREQUENCY RESPONSE CURVE

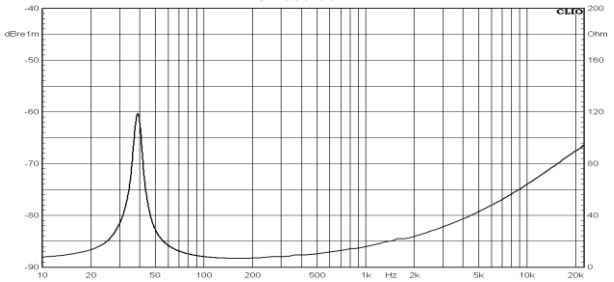
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	38Hz	Qms	7.8
Re	5.3Ω	Qes	0.37
Le	0.86mH	Qts	0.35
Mms	181g	Vas	100L
Mmd	166g	Ref. Efficiency	1.5%
Cms	0.09mm/N	Sd	881cm^2
BL	25.2Tm	EBP	103Hz

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.

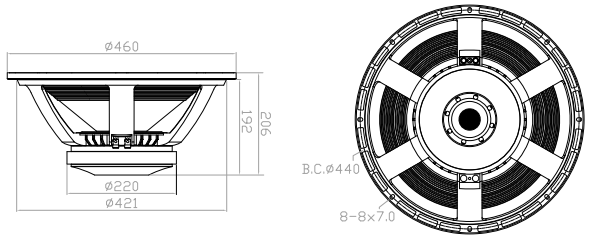
18SW100-8TX 4Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 1200W AES power handling
- 35Hz-1kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING

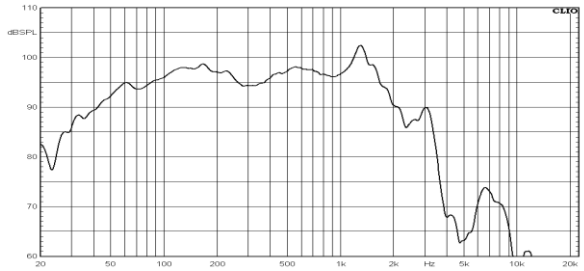


GENERAL SPECIFICATIONS

Part Number	18SW100-8TX
Nominal Diameter	460mm (18in)
Nominal Impedance	8Ω
Minimum Impedance	6.7Ω
AES Power Handling[1]	1200W
Maximum Power Handling[2]	2400W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	35Hz
Frequency Range	35Hz-1kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	28.6mm
Magnetic Gap Depth	12mm
Xmax[4]	12.3mm
Flux Density	1.1T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	12.3kg

FREQUENCY RESPONSE CURVE

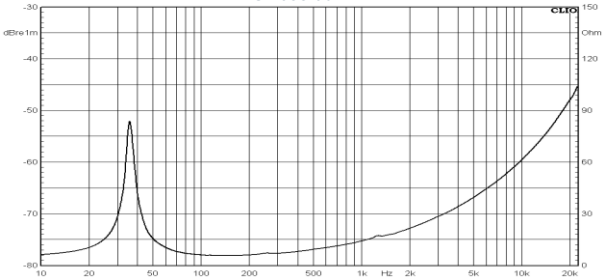
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	36Hz	Qms	8.2
Re	5.3Ω	Qes	0.47
Le	0.96mH	Qts	0.44
Mms	225g	Vas	178L
Mmd	201g	Ref. Efficiency	1.8%
Cms	0.09mm/N	Sd	1225cm^2
BL	24Tm	EBP	77Hz

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.

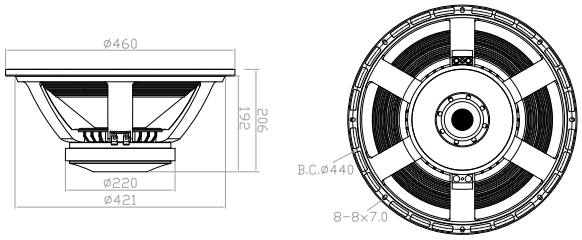
18SW100-8BS 4Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 1200W AES power handling
- 35Hz-1kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING

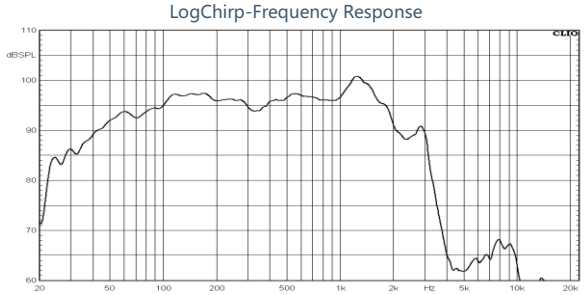


GENERAL SPECIFICATIONS

Part Number	18SW100-8BS
Nominal Diameter	460mm (18in)
Nominal Impedance	8Ω
Minimum Impedance	6.2Ω
AES Power Handling[1]	1200W
Maximum Power Handling[2]	2400W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	35Hz
Frequency Range	35Hz-1kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	25.3mm
Magnetic Gap Depth	12mm
Xmax[4]	10.7mm
Flux Density	1.05T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	12.3kg

FREQUENCY RESPONSE CURVE

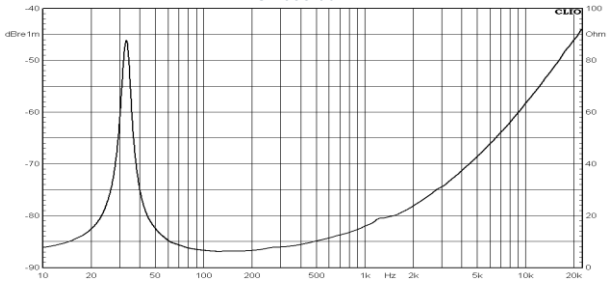
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	33Hz	Qms	7.2
Re	5.0Ω	Qes	0.43
Le	0.87mH	Qts	0.41
Mms	258g	Vas	187L
Mmd	234g	Ref. Efficiency	1.5%
Cms	0.09mm/N	Sd	1225cm^2
BL	24.8Tm	EBP	76Hz

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.

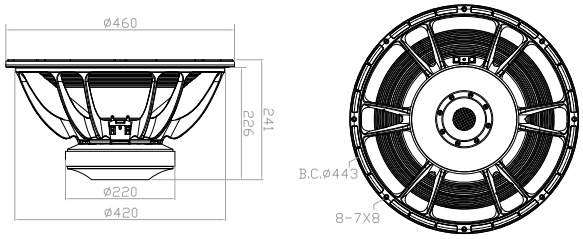
18SW100-8TW 4Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 1500W AES power handling
- 35Hz-1kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING

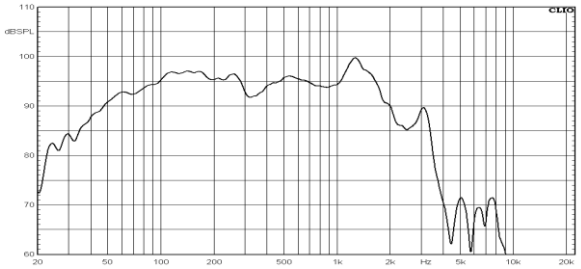


GENERAL SPECIFICATIONS

Part Number	18SW100-8TW
Nominal Diameter	460mm (18in)
Nominal Impedance	8Ω
Minimum Impedance	6.5Ω
AES Power Handling[1]	1500W
Maximum Power Handling[2]	3000W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	35Hz
Frequency Range	35Hz-1kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	31mm
Magnetic Gap Depth	15mm
Xmax[4]	13mm
Flux Density	1.15T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	14.9kg

FREQUENCY RESPONSE CURVE

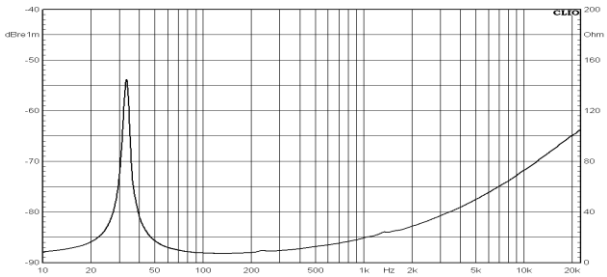
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	34Hz	Qms	10.6
Re	5.6Ω	Qes	0.41
Le	0.98mH	Qts	0.39
Mms	240g	Vas	187L
Mmd	217g	Ref. Efficiency	1.6%
Cms	0.09mm/N	Sd	1210cm^2
BL	26.3Tm	EBP	83Hz

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.

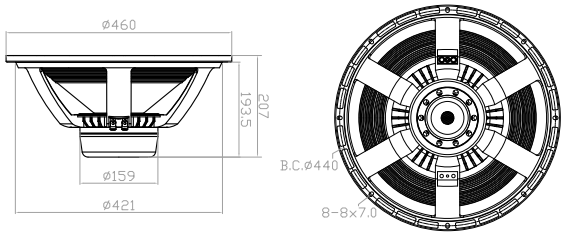
18SW100-8NW 4Ω Available

BASS/MID RANGE DRIVER

KEY FEATURES

- 97.5dB 1W/1m sensitivity
- 1200W AES power handling
- 35Hz-1kHz frequency response
- 99.3mm (4.0in) copper voice coil
- Lightweight neodymium inside slug motor system
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING

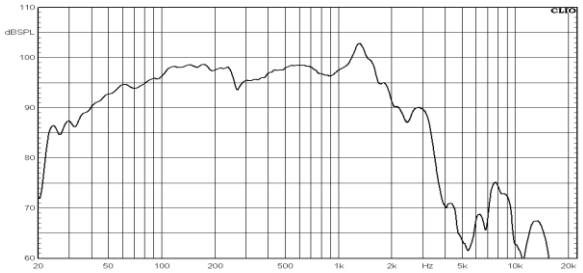


GENERAL SPECIFICATIONS

Part Number	18SW100-8NW
Nominal Diameter	460mm (18in)
Nominal Impedance	8Ω
Minimum Impedance	6.4Ω
AES Power Handling[1]	1200W
Maximum Power Handling[2]	2400W
(1W/1m) Sensitivity (1W/1m)[3]	97.5dB
Resonance Frequency	35Hz
Frequency Range	35Hz-1kHz
Voice Coil Diameter	99.3mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	28.6mm
Magnetic Gap Depth	12.5mm
Xmax[4]	12.2mm
Flux Density	1.1T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Inside Slug
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	8.6kg

FREQUENCY RESPONSE CURVE

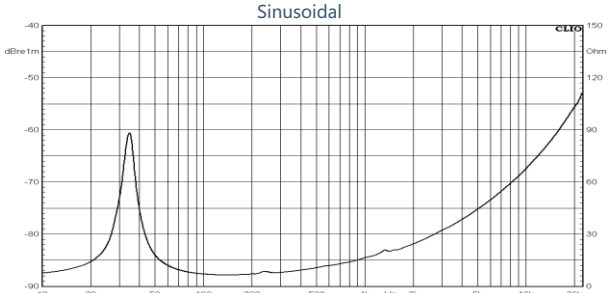
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	35Hz	Qms	6.5
Re	5.3Ω	Qes	0.41
Le	0.89mH	Qts	0.39
Mms	228g	Vas	192L
Mmd	204g	Ref. Efficiency	1.9%
Cms	0.09mm/N	Sd	1225cm^2
BL	25.2Tm	EBP	85Hz

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.

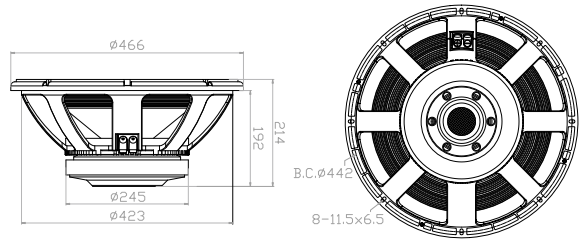
18SW115-8RF

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 1700W AES power handling
- 35Hz-1kHz frequency response
- 114.2mm (4.5in) copper voice coil
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING

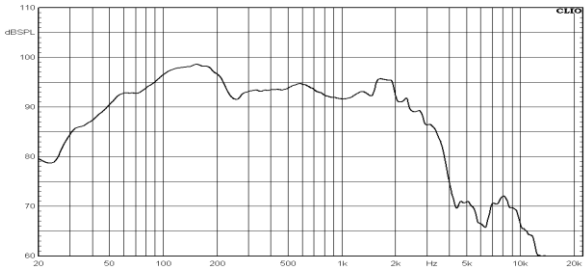


GENERAL SPECIFICATIONS

Part Number	18SW115-8RF
Nominal Diameter	466mm (18in)
Nominal Impedance	8Ω
Minimum Impedance	7.2Ω
AES Power Handling[1]	1700W
Maximum Power Handling[2]	3400W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	35Hz
Frequency Range	35Hz-1kHz
Voice Coil Diameter	114.2mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	33mm
Magnetic Gap Depth	15mm
Xmax[4]	14mm
Flux Density	1.05T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	15.5kg

FREQUENCY RESPONSE CURVE

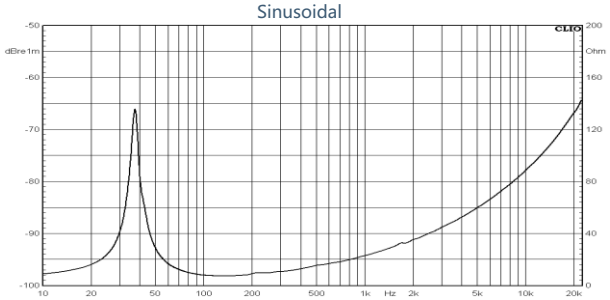
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	37Hz	Qms	8.0
Re	5.4Ω	Qes	0.33
Le	2.7mH	Qts	0.31
Mms	257g	Vas	147L
Mmd	233g	Ref. Efficiency	2.2%
Cms	0.07mm/N	Sd	1225cm^2
BL	31.4Tm	EBP	110Hz

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.

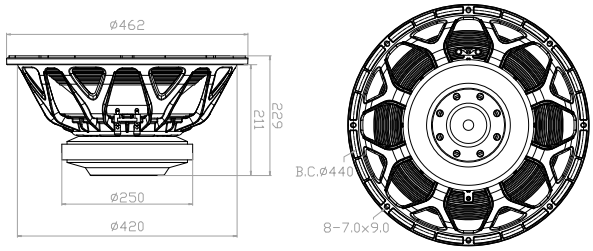
18SW115-8TW

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 1800W AES power handling
- 33Hz-1kHz frequency response
- 116mm (4.5in) copper voice coil
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING

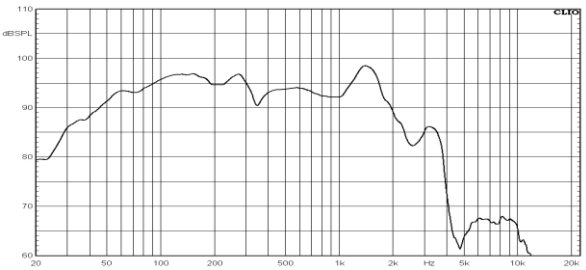


GENERAL SPECIFICATIONS

Part Number	18SW115-8TW
Nominal Diameter	462mm (18in)
Nominal Impedance	8Ω
Minimum Impedance	7.2Ω
AES Power Handling[1]	1800W
Maximum Power Handling[2]	3600W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	33Hz
Frequency Range	33Hz-1kHz
Voice Coil Diameter	116mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	33mm
Magnetic Gap Depth	15mm
Xmax[4]	14mm
Flux Density	1.0T
Basket Material	Cast Aluminum
Magnet Material	Ferrite
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	17.5kg

FREQUENCY RESPONSE CURVE

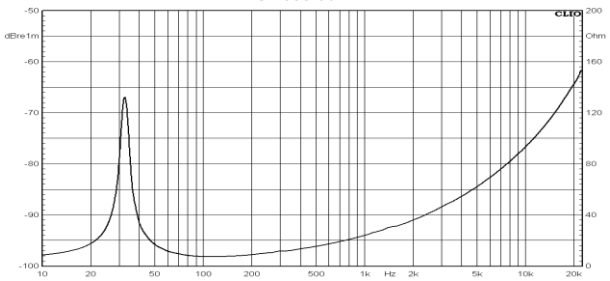
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	33Hz	Qms	8.9
Re	5.4Ω	Qes	0.38
Le	2.9mH	Qts	0.36
Mms	282g	Vas	172L
Mmd	259g	Ref. Efficiency	1.7%
Cms	0.08mm/N	Sd	1225cm^2
BL	28.7Tm	EBP	87Hz

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 V for 4 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.

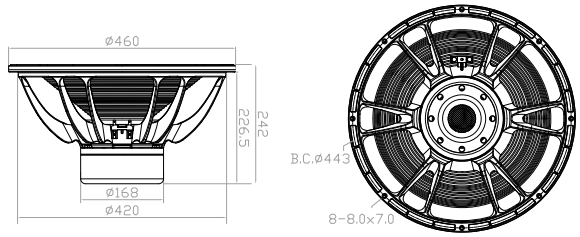
18SW115-8NW

BASS/MID RANGE DRIVER

KEY FEATURES

- 97dB 1W/1m sensitivity
- 1700W AES power handling
- 32Hz-1kHz frequency response
- 116mm (4.5in) copper voice coil
- Lightweight neodymium inside slug motor system
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING

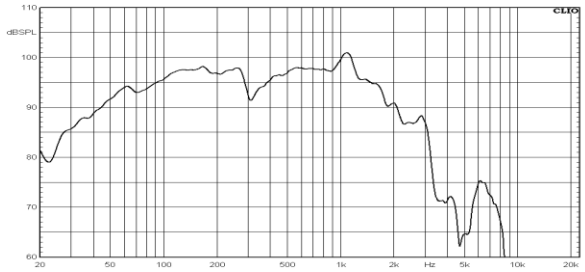


GENERAL SPECIFICATIONS

Part Number	18SW115-8NW
Nominal Diameter	460mm (18in)
Nominal Impedance	8Ω
Minimum Impedance	6.0Ω
AES Power Handling[1]	1700W
Maximum Power Handling[2]	3400W
(1W/1m) Sensitivity (1W/1m)[3]	97dB
Resonance Frequency	32Hz
Frequency Range	32Hz-1kHz
Voice Coil Diameter	116mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	35mm
Magnetic Gap Depth	14mm
Xmax[4]	17.5mm
Flux Density	1.15T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Inside Slug
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	11.9kg

FREQUENCY RESPONSE CURVE

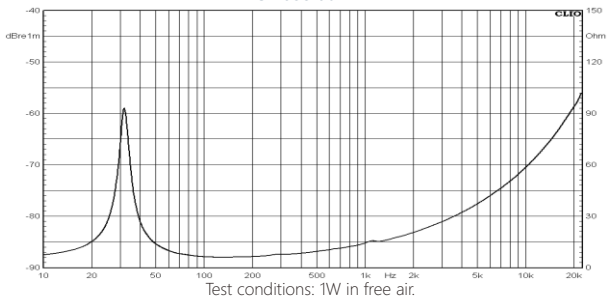
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	32Hz	Qms	7.4
Re	5.6Ω	Qes	0.47
Le	0.81mH	Qts	0.44
Mms	327g	Vas	160L
Mmd	303g	Ref. Efficiency	1.1%
Cms	0.08mm/N	Sd	1225cm^2
BL	27.8Tm	EBP	68Hz

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.

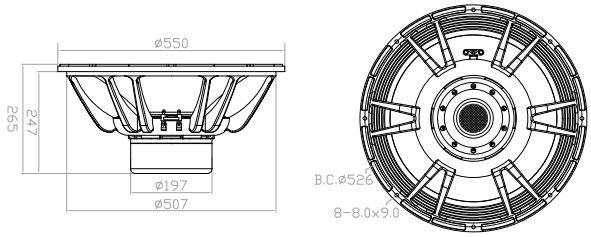
21SW152-4NW

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 2500W AES power handling
- 30Hz-1kHz frequency response
- 153mm (6.0in) copper voice coil
- Lightweight neodymium inside slug motor system
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING

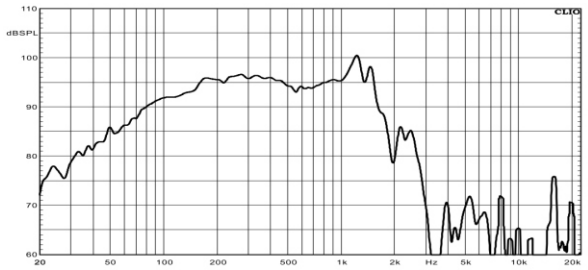


GENERAL SPECIFICATIONS

Part Number	21SW152-4NW
Nominal Diameter	550mm (21in)
Nominal Impedance	4Ω
Minimum Impedance	4.2Ω
AES Power Handling[1]	2500W
Maximum Power Handling[2]	5000W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	30Hz
Frequency Range	30Hz-1kHz
Voice Coil Diameter	153mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	30mm
Magnetic Gap Depth	12mm
Xmax[4]	13mm
Flux Density	1.15T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Inside Slug
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	18kg

FREQUENCY RESPONSE CURVE

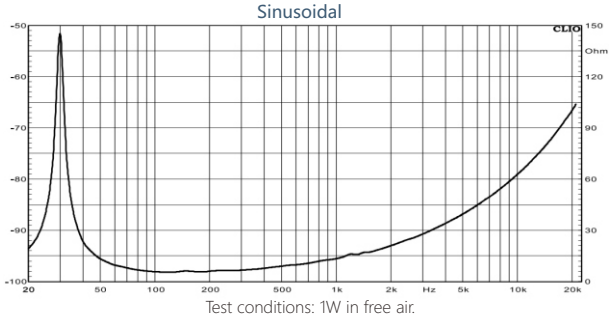
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	29Hz	Qms	22.6
Re	3.2Ω	Qes	0.35
Le	0.89mH	Qts	0.34
Mms	510g	Vas	225L
Mmd	432g	Ref. Efficiency	1.6%
Cms	0.06mm/N	Sd	1680cm^2
BL	29.6Tm	EBP	82Hz

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 V for 4 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.

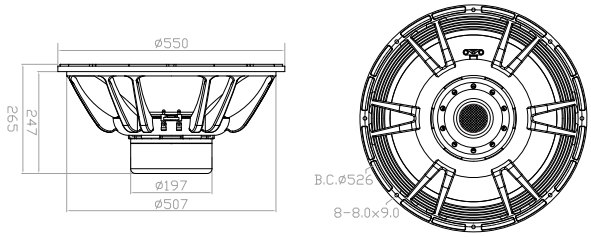
21SW152-8NW

BASS/MID RANGE DRIVER

KEY FEATURES

- 96dB 1W/1m sensitivity
- 2500W AES power handling
- 30Hz-1kHz frequency response
- 153mm (6.0in) copper voice coil
- Lightweight neodymium inside slug motor system
- Aluminum demodulating ring for lower distortion
- Double silicon spider for superior excursion control and linearity
- Heavy-duty cast aluminum chassis for increased rigidity
- Suitable for high SPL subwoofer designs

MECHANICAL DRAWING

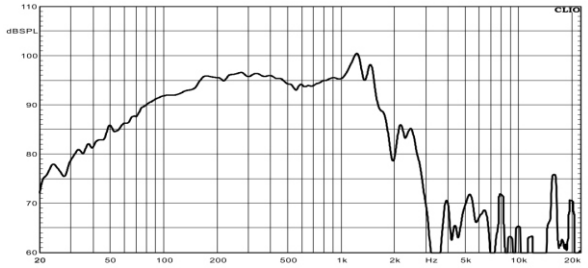


GENERAL SPECIFICATIONS

Part Number	21SW152-8NW
Nominal Diameter	550mm (21in)
Nominal Impedance	8Ω
Minimum Impedance	7.0Ω
AES Power Handling[1]	2500W
Maximum Power Handling[2]	5000W
(1W/1m) Sensitivity (1W/1m)[3]	96dB
Resonance Frequency	30Hz
Frequency Range	30Hz-1kHz
Voice Coil Diameter	153mm
Winding Material	Copper
Former Material	Glass Fiber
Winding Depth	32mm
Magnetic Gap Depth	12mm
Xmax[4]	15mm
Flux Density	1.15T
Basket Material	Cast Aluminum
Magnet Material	Neodymium Inside Slug
Suspension Material	Double Fabric
Surround Material	W-Roll Cloth-sealed
Cone Material	Curvilinear Paper
Net Weight	18kg

FREQUENCY RESPONSE CURVE

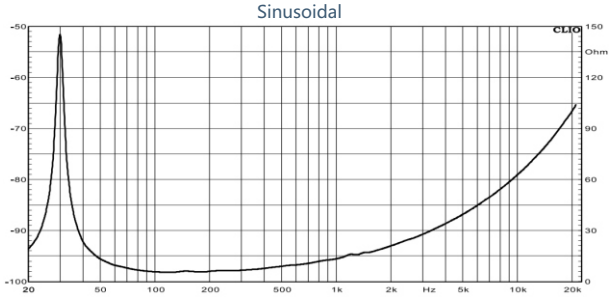
LogChirp-Frequency Response



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

IMPEDANCE CURVE

Sinusoidal



Test conditions: 1W in free air.

TS Parameters[5]

Fs	28Hz	Qms	23.8
Re	5.2Ω	Qes	0.39
Le	1.3mH	Qts	0.38
Mms	480g	Vas	266L
Mmd	401g	Ref. Efficiency	1.5%
Cms	0.06mm/N	Sd	1680cm^2
BL	33.7Tm	EBP	72Hz

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.

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