

Compression Drivers

Our range of compression drivers has been developed to deliver fully Fane-loaded cabinets. All units feature ultra lightweight titanium diaphragms, driven at its circumference by an equally lightweight aluminium voice coil. Each motor system has a copper shorting ring surrounding the pole piece which effectively reduces eddy-current-induced distortions with the added benefit of increasing the very high-frequency output by reducing the inductive rise of the voice coil.



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CD125



Electro Mechanical Specifications

Sound Channel/Throat	1"/25 mm
Nominal Impedance	8Ω
Power Handling (watts AES)	25 W
Average Sensitivity 1 W/1 m	104 dB
Usable Frequency Range – kHz	1.2 kHz-8 kHz
Recommended Crossover Frequency	1.2 kHz
Filtered at 18 dB/octave	
Effective Diaphragm Diameter	1.375"/34.4 mm
Voice Coil Diameter	1.375"/34.4 mm
Voice Coil DC Resistance	
Max Diaphragm Displacement	
Flux Density	1.25 Tesla
Magnet Weight	10 oz/0.28 kg

Construction Materials

Coil Former	Kapton
Voice Coil Material	Copper
Diaphragm Material	Titanium
Surround/Edge Termination	Dbl Sinusoidal Roll Titanium
Magnet	Ferrite
Connectors	6.3 mm spade
Polarity	Positive Voltage at Red/Positive Terminal Causes Positive Pressure at Throat Exit

Mounting Information

Overall Diameter	3.54"/90 mm
Depth	1.73"/44 mm
Weight	2 lb/0.91 kg
Shipping Weight	2.16 lb/0.98 kg
Packing Carton Dimensions	100 x 100 x 75 mm
Packing Carton Dimensions	4 x 4 x 3 inch

CD140



Electro Mechanical Specifications

Sound Channel/Throat	1"/25.4 mm
Nominal Impedance	8/16Ω
Power Handling (watts AES)	40 W
Average Sensitivity 1 W/1 m	105 dB
Usable Frequency Range – kHz	2 kHz-16 kHz
Recommended Crossover Frequency	3.5 kHz
Filtered at 18 dB/octave	
Effective Diaphragm Diameter	1.75"/44 mm
Voice Coil Diameter	1.75"/44 mm
Voice Coil DC Resistance	6.2/10.5Ω
Max Diaphragm Displacement	0.016"/0.4 mm
Flux Density	1.35 Tesla
Magnet Weight	16 oz/0.46 kg

Construction Materials

Coil Former	Polyamide
Voice Coil Material	Aluminium
Diaphragm Material	Titanium
Surround/Edge Termination	Dbl Sinusoidal Roll Titanium
Magnet	Ferrite
Connectors	6.3 mm spade
Polarity	Positive Voltage at Red/Positive Terminal Causes Positive Pressure at Throat Exit

Mounting Information

Overall Diameter	4"/102 mm
Depth	1.97"/51 mm
Weight	3.4 lb/1.54 kg
Shipping Weight	3.6 lb/1.64 kg
Packing Carton Dimensions	120 x 120 x 160 mm
Packing Carton Dimensions	4.72 x 4.72 x 6.3 inch
Bolt Fixing holes	3 x M6 on 57.15 mm - 2.25" PCD 2 x M6 on 76.2 mm - 3" PCD

CD140H



Electro Mechanical Specifications

Sound Channel/Throat	1"/25 mm
Nominal Impedance	8Ω
Power Handling (watts AES)	25 W
Average Sensitivity 1 W/1 m	104 dB
Usable Frequency Range – kHz	1.2 kHz-8 kHz
Recommended Crossover Frequency	1.2 kHz
Filtered at 18 dB/octave	
Effective Diaphragm Diameter	1.375"/34.4 mm
Voice Coil Diameter	1.375"/34.4 mm
Voice Coil DC Resistance	
Max Diaphragm Displacement	
Flux Density	1.25 Tesla
Magnet Weight	10 oz/0.28 kg

Construction Materials

Coil Former	Kapton
Voice Coil Material	Copper
Diaphragm Material	Titanium
Surround/Edge Termination	Dbl Sinusoidal Roll Titanium
Magnet	Ferrite
Connectors	6.3 mm spade
Polarity	Positive Voltage at Red/Positive Terminal Causes Positive Pressure at Throat Exit

Mounting Information

Overall Diameter	3.54"/90 mm
Depth	1.73"/44 mm
Weight	2 lb/0.91 kg
Shipping Weight	2.16 lb/0.98 kg
Packing Carton Dimensions	100 x 100 x 75 mm
Packing Carton Dimensions	4 x 4 x 3 inch

CDI45



Electro Mechanical Specifications

Sound Channel/Throat	1"/25.4 mm
Nominal Impedance	8/16Ω
Power Handling (watts AES)	40 W
Average Sensitivity 1 W/1 m	105 dB
Usable Frequency Range – kHz	2 kHz-16 kHz
Recommended Crossover Frequency	3.5 kHz
Filtered at 18 dB/octave	
Effective Diaphragm Diameter	1.75"/44 mm
Voice Coil Diameter	1.75"/44 mm
Voice Coil DC Resistance	6.2/10.5Ω
Max Diaphragm Displacement	0.016"/0.4 mm
Flux Density	1.35 Tesla
Magnet Weight	16 oz/0.46 kg

Construction Materials

Coil Former	Polyamide
Voice Coil Material	Aluminium
Diaphragm Material	Titanium
Surround/Edge Termination	Dbl Sinusoidal Roll Titanium
Magnet	Ferrite
Connectors	6.3 mm spade
Polarity	Positive Voltage at Red/Positive Terminal Causes Positive Pressure at Throat Exit

Mounting Information

Overall Diameter	4"/102 mm
Depth	1.97"/51 mm
Weight	3.4 lb/1.54 kg
Shipping Weight	3.6 lb/1.64 kg
Packing Carton Dimensions	120 x 120 x 160 mm
Packing Carton Dimensions	4.72 x 4.72 x 6.3 inch
Boly Fixing Holes	2 x M6 on 76.2 mm – 3" PCD

CDI50



Electro Mechanical Specifications

Sound Channel/Throat	1"/25.4 mm
Nominal Impedance	8/16Ω
Power Handling (watts AES)	50 W
Average Sensitivity 1 W/1 m	108 dB
Usable Frequency Range – kHz	2 kHz-18 kHz
Recommended Crossover Frequency	3.5 kHz
Filtered at 18 dB/octave	
Effective Diaphragm Diameter	1.75"/44 mm
Voice Coil Diameter	1.75"/44 mm
Voice Coil DC Resistance	6.2/10.5Ω
Max Diaphragm Displacement	0.016"/0.4 mm
Flux Density	1.65 Tesla
Magnet Weight	39 oz/1.10 kg

Construction Materials

Coil Former	Polyamide
Voice Coil Material	Aluminium
Diaphragm Material	Titanium
Surround/Edge Termination	Dbl Sinusoidal Roll Titanium
Magnet	Ferrite
Connectors	4.8 mm spade
Polarity	Positive Voltage at Red/Positive Terminal Causes Positive Pressure at Throat Exit

Mounting Information

Overall Diameter	5.27"/134 mm
Depth	2.48"/63 mm
Weight	6.5 lb/2.97 kg
Shipping Weight	6.8 lb/3.1 kg
Packing Carton Dimensions	150 x 160 x 80 mm
Packing Carton Dimensions	5.9 x 6.3 x 3.15 inch
Boly Fixing Holes	3 x M6 on 57.15 mm – 2.25" PCD 2 x M6 on 76.2 mm – 3" PCD

CDI50N



Electro Mechanical Specifications

Sound Channel/Throat	1"/25.4 mm
Nominal Impedance	8/16Ω
Power Handling (watts AES)	50 W
Average Sensitivity 1 W/1 m	110 dB
Usable Frequency Range – kHz	2 kHz-18 kHz
Recommended Crossover Frequency	3.5 kHz
Filtered at 18 dB/octave	
Effective Diaphragm Diameter	1.75"/44 mm
Voice Coil Diameter	1.75"/44 mm
Voice Coil DC Resistance	6.2/10.5Ω
Max Diaphragm Displacement	0.016"/0.4 mm
Flux Density	1.90 Tesla
Magnet Weight	11 oz/0.32 kg

Construction Materials

Coil Former	Polyamide
Voice Coil Material	Aluminium
Diaphragm Material	Titanium
Surround/Edge Termination	Dbl Sinusoidal Roll Titanium
Magnet	Neodymium
Connectors	6.3 mm spade
Polarity	Positive Voltage at Red/Positive Terminal Causes Positive Pressure at Throat Exit

Mounting Information

Overall Diameter	4.17"/106 mm
Depth	2.16"/55 mm
Weight	3.6 lb/1.65 kg
Shipping Weight	3.8 lb/1.75 kg
Packing Carton Dimensions	150 x 160 x 80 mm
Packing Carton Dimensions	5.9 x 6.3 x 3.15 inch
Boly Fixing Holes	2 x M6 on 76.2 mm – 3" PCD

CD280



Electro Mechanical Specifications

Sound Channel/Throat	2"/50.8 mm
Nominal Impedance	8Ω
Power Handling (watts AES)	80 W
Average Sensitivity 1 W/1 m	108 dB
Usable Frequency Range – kHz	800 Hz-18 kHz
Recommended Crossover Frequency	1.6 kHz
Filtered at 18 dB/octave	
Effective Diaphragm Diameter	2.87"/73 mm
Voice Coil Diameter	2.87"/73 mm
Voice Coil DC Resistance	6.2/10.5Ω
Max Diaphragm Displacement	0.032"/0.8 mm
Flux Density	1.70 Tesla
Magnet Weight	60 oz/1.72 kg

Construction Materials

Coil Former	Nomex
Voice Coil Material	Aluminium
Diaphragm Material	Titanium
Surround/Edge Termination	Dbl Sinusoidal Roll Titanium
Magnet	Ferrite
Connectors	Push-Button Spring Terminals
Polarity	Positive Voltage at Red/Positive Terminal Causes Positive Pressure at Throat Exit

Mounting Information

Overall Diameter	6.7"/170 mm
Depth	2.8"/71 mm
Weight	10.6 lb/4.84 kg
Shipping Weight	11.4 lb/5.2 kg
Packing Carton Dimensions	200 x 210 x 100 mm
Packing Carton Dimensions	7.9 x 8.3 x 4 inch
Bolt Fixing Holes	4 x M6 on 101.6 mm – 4" PCD

Compression Drivers

Fane International Ltd. operates a policy of continuous product development and reserves the right to change specifications without notice.

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