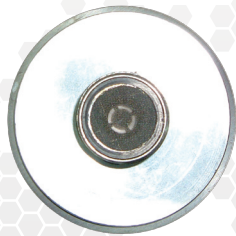


Compression Drivers

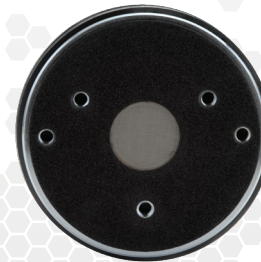
Our range of compression drivers has been developed to deliver fully Fane-loaded cabinets. All units feature ultra lightweight titanium diaphragms, driven at its circumference by an equally lightweight aluminium voice coil. Each motor system has a copper shorting ring surrounding the pole piece which 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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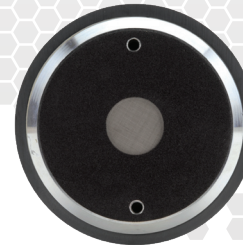
CD125



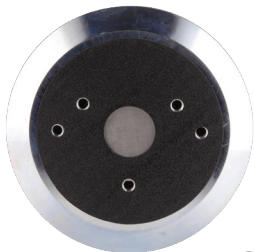
CD140



CD140H



CD145



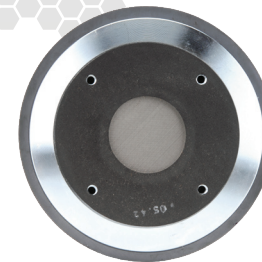
CD150



CD150N



CD280



Electro Mechanical Specifications

	CD125	CD140	CD140H	CD145	CD150	CD150N	CD280
Sound Channel/Throat	1"/25 mm	1"/25.4 mm	1"/25.4 mm	1"/25.4 mm	1"/25.4 mm	1"/25.4 mm	2"/50.8 mm
Nominal Impedance	8 Ω	8/16 Ω	8/16 Ω	8/16 Ω	8/16 Ω	8/16 Ω	8 Ω
Power Handling (watts AES)	25 W	40 W	40 W	45 W	50 W	50 W	80 W
Average Sensitivity 1 W/1 m	104 dB	105 dB	105 dB	108 dB	108 dB	110 dB	108 dB
Usable Frequency Range – kHz	1.2 kHz-8 kHz	2 kHz-16 kHz	2 kHz-16 kHz	2 kHz-18 kHz	2 kHz-18 kHz	2 kHz-18 kHz	800 Hz-18 kHz
Recommended Crossover Frequency	1.2 kHz	3.5 kHz	3.5 kHz	3.5 kHz	3.5 kHz	3.5 kHz	1.6 kHz
Filtered at 18 dB/octave							
Effective Diaphragm Diameter	1.375"/34.4 mm	1.75"/44 mm	1.75"/44 mm	1.75"/44 mm	1.75"/44 mm	1.75"/44 mm	2.87"/73 mm
Voice Coil Diameter	1.375"/34.4 mm	1.75"/44 mm	1.75"/44 mm	1.75"/44 mm	1.75"/44 mm	1.75"/44 mm	2.87"/73 mm
Voice Coil DC Resistance		6.2/10.5 Ω	6.2/10.5 Ω	6.2/10.5 Ω	6.2/10.5 Ω	6.2/10.5 Ω	6.2/10.5 Ω
Max Diaphragm Displacement		0.016"/ 0.4 mm	0.016"/ 0.4 mm	0.016"/ 0.4 mm	0.016"/ 0.4 mm	0.016"/ 0.4 mm	0.032"/0.8 mm
Flux Density	1.25 Tesla	1.35 Tesla	1.35 Tesla	1.60 Tesla	1.65 Tesla	1.90 Tesla	1.70 Tesla
Magnet Weight	10 oz/0.28 kg	16 oz/0.46 kg	16 oz/0.46 kg	23 oz/0.67 kg	39 oz/1.10 kg	11 oz/0.32 kg	60 oz/1.72 kg

Construction Materials

	CD125	CD140	CD140H	CD145	CD150	CD150N	CD280
Coil Former	Kapton	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Nomex
Voice Coil Material	Copper	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Diaphragm Material	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	Titanium
Surround/Edge Termination				Double Sinusoidal Roll Titanium			
Magnet	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Neodymium	Ferrite
Connectors	6.3 mm spade	6.3 mm spade	6.3 mm spade	6.3 mm spade	4.8 mm spade	6.3 mm spade	Push-Button Spring Terminals
Polarity	Positive Voltage at Red/Positive Terminal Causes Positive Pressure at Throat Exit						

Mounting Information

	CD125	CD140	CD140H	CD145	CD150	CD150N	CD280
Overall Diameter	3.54"/90 mm	4"/102 mm	4"/102 mm	4.5"/115 mm	5.27"/134 mm	4.17"/106 mm	6.7"/170 mm
Depth	1.73"/44 mm	1.97"/51 mm	1.97"/51 mm	2"/53 mm	2.48"/63 mm	2.16"/55 mm	2.8"/71 mm
Weight	2 lb/0.91 kg	3.4 lb/1.54 kg	3.4 lb/1.54 kg	4.2 lb/1.92 kg	6.5 lb/2.97 kg	3.6 lb/1.65 kg	10.6 lb/4.84 kg
Shipping Weight	2.16 lb/0.98 kg	3.6 lb/1.64 kg	3.6 lb/1.64 kg	4.4 lb/2 kg	6.8 lb/3.1 kg	3.8 lb/1.75 kg	11.4 lb/5.2 kg
Packing Carton Dimensions	100 x 100 x 75 mm	120 x 120 x 160 mm	120 x 120 x 160 mm	150 x 160 x 180 mm	150 x 160 x 80 mm	150 x 160 x 80 mm	200 x 210 x 100 mm
Packing Carton Dimensions	4 x 4 x 3 inch	4.72 x 4.72 x 6.3 inch	4.72 x 4.72 x 6.3 inch	5.9 x 6.3 x 3.15 inch	5.9 x 6.3 x 3.15 inch	5.9 x 6.3 x 3.15 inch	7.9 x 8.3 x 4 inch
Bolt Fixing Holes for CD140 & CD150	3 x M6 on 57.15 mm – 2.25" PCD 2 x M6 on 76.2 mm – 3" PCD						
Bolt Fixing Holes for CD145 & CD150N	2 x M6 on 76.2 mm – 3" PCD						
Bolt Fixing Holes for CD280	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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