



Delta Series

The Delta Series has been designed from the ground up to provide outstanding performance and reliability. The Delta Series utilises robust technology and durable components to ensure that it can meet the demands of touring, rental and fixed installation applications.

High output, low distortion cast frame woofers with 3" voice coils are used throughout the range for unparalleled low frequency reproduction. 2" titanium compression drivers are coupled to 90°x45° elliptical waveguides for impressive output level and smooth HF dispersion.

Comprehensive rigging points are provided on Delta 12 and Delta 15 models, the Delta Series is equally at home in ground-stacked or flown applications. Rhino Rock™, our new texturised composite finish is used in all models. This new finish provides the great look of a painted finish with the durability of a carpet covered enclosure, giving you the best of both worlds. The Delta Series is constructed from plywood and features dual angle pole mounts to ensure that your sound is aimed directly at the audience, not at the ceiling.



Features

- High power, low distortion cast frame woofers
- 1.4" exit 2" titanium diaphragm compression drivers
- 90°x45° elliptical waveguides
- Dual angle pole mount receptacles
- Rhino Rock™ textured composite finish
- Plywood construction
- Dual spider technology on 18" woofers
- Rubberised 4-way handles



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Specification



Model	DELTA-12	DELTA-15	DELTA-215	DELTA-12M	DELTA-15M	DELTA-15B	DELTA-18B	DELTA-218B
General Parameters								
System Type	2-Way	2-Way	Quasi 3-Way	2-Way	2-Way	Subwoofer	Subwoofer	Dual Chamber Subwoofer
Frequency Response (+/- 3dB)	60-20KHz	50-20KHz	45-20KHz	60-20KHz	55-20KHz	-	-	-
Frequency Response (Bi-Amp) (+/- 3dB)	-	-	-	-	-	42-2KHz	38-15KHz	30-15KHz
Frequency Response (Passive) (+/- 3dB)	-	-	-	-	-	42-150Hz	38-150Hz	-
Power Handling								
Continuous	400W	500W	1000W	400W	500W	700W	800W	Parallel: 1600W Discrete: 800W
Programme	800W	1000W	2000W	800W	1000W	1400W	1600W	3200W 1600W
Peak	1600W	2000W	4000W	1600W	2000W	2800W	3200W	6400W 3200W
Nominal Impedance (Ohms)	8Ω	8Ω	4Ω	8Ω	8Ω	8Ω	8Ω	4Ω 8Ω x2
Sensitivity								
dB (1W @ 1M)	97dB	98dB	101dB	97dB	98dB	98dB	99dB	100dB
Max SPL (Calculated)								
dB SPL @ Peak Rated Power	129dB	131dB	137dB	129dB	131dB	132dB	134dB	138dB
Nominal Coverage								
(H @1KHz)	90°	90°	90°	90°	90°	-	-	-
(V @1KHz)	45°	45°	45°	45°	45°	-	-	-
Recommended High Pass Frequency	1.5KHz / 1.8KHz	1.5KHz / 1.8KHz	1.5KHz / 1.8KHz	1.5KHz / 1.8KHz	1.5KHz / 1.8KHz	-	-	-
Recommended High Pass Slope	18dB/Oct	18dB/Oct	18dB/Oct	18dB/Oct	18dB/Oct	-	-	-
Crossover Frequency	1.8KHz	1.8KHz	1.8KHz	1.8KHz	1.8KHz	-	-	-
Bi-Amp Mode Switch	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Subwoofer High Pass Output Frequency	-	-	-	-	-	120Hz	120Hz	-
Subwoofer High Pass Filter Slope	-	-	-	-	-	6dB/Oct	6dB/Oct	-
LF Size	332mm / 12"	404mm / 15"	2x 404mm / 15"	332mm / 12"	404mm / 15"	404mm / 15"	470mm / 18"	470mm / 18"
LF Power (Continuous RMS)	400w	500w	500w	400w	500w	700w	800w	800w
LF Sensitivity (Free Field 1W @ 1M)	97dB	98dB	98dB	97dB	98dB	98dB	99dB	99dB
LF Voice Coil	76.2mm / 3"	76.2mm / 3"	76.2mm / 3"	76.2mm / 3"	76.2mm / 3"	101.6mm / 4"	101.6mm / 4"	101.6mm / 4"
LF Cone Material	Paper	Paper	Paper	Paper	Paper	Copper	Copper	Paper
LF Voice Coil Material	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper
LF Voice Coil Former Material	Fibre Glass	Fibre Glass	Fibre Glass	Fibre Glass	Fibre Glass	Fibre Glass	Fibre Glass	Fibre Glass
LF Basket Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
LF Basket Type	Die-Cast	Die-Cast	Die-Cast	Die-Cast	Die-Cast	Die-Cast	Die-Cast	Die-Cast
LF Magnet Structure Mass	2.467Kg / 5.412lbs	2.467Kg / 5.412lbs	2.467Kg / 5.412lbs	2.467Kg / 5.412lbs	2.467Kg / 5.412lbs	2.69Kg / 5.918lbs	2.69Kg / 5.918lbs	2.69Kg / 5.918lbs
LF Magnet Structure Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
HF Size	50.8mm / 2" Titanium	50.8mm / 2" Titanium	50.8mm / 2" Titanium	50.8mm / 2" Titanium	50.8mm / 2" Titanium	-	-	-
HF Power (Continuous RMS)	50W	50W	50W	50W	50W	-	-	-
HF Sensitivity (Free Field 1W @ 1M)	104dB	104dB	104dB	104dB	104dB	-	-	-
HF Voice Coil	50.8mm / 2"	50.8mm / 2"	50.8mm / 2"	50.8mm / 2"	50.8mm / 2"	-	-	-
HF Waveguide Type	Elliptical	Elliptical	Elliptical	Elliptical	Elliptical	-	-	-
HF Waveguide Exit	35.6mm / 1.4"	35.6mm / 1.4"	35.6mm / 1.4"	35.6mm / 1.4"	35.6mm / 1.4"	-	-	-
HF Diaphragm Material	Titanium	Titanium	Titanium	Titanium	Titanium	-	-	-
HF Voice Coil Former Material	Kapton	Kapton	Kapton	Kapton	Kapton	-	-	-
HF Magnet Structure Mass	1.197Kg / 2.63lbs	1.197Kg / 2.63lbs	1.197Kg / 2.63lbs	1.197Kg / 2.63lbs	1.197Kg / 2.63lbs	-	-	-
HF Magnet Structure Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	-	-	-
HF Protection	SK3	SK3	SK3	SK3	SK3	-	-	-
Enclosure Material & Thickness	15mm Plywood	15mm Plywood	15mm Plywood	15mm Plywood	15mm Plywood	15mm Plywood	15mm Plywood	18mm Plywood
Enclosure Finish	RHINO ROCK™	RHINO ROCK™	RHINO ROCK™	RHINO ROCK™	RHINO ROCK™	RHINO ROCK™	RHINO ROCK™	RHINO ROCK™
Grille Material & Finish	1.5mm Steel	1.5mm Steel	1.5mm Steel	1.5mm Steel	1.5mm Steel	1.5mm Steel	1.5mm Steel	1.5mm Steel
Colour	Black	Black	Black	Black	Black	Black	Black	Black
Rigging Points	M10 X 6	M10 X 6	-	-	-	-	-	-
Rigging Point Max Rated Weight	450kg / 992lbs	450kg / 992lbs	-	-	-	-	-	-
Pole Mount	Dual-Angle (0° or -10°) 35 mm Pole Socket	Dual-Angle (0° or -10°) 35 mm Pole Socket	-	-	-	-	-	-
Handles	2 On Sides	2 On Sides	2 on Sides 1 On Back	2 On Sides	2 On Sides	2 On Sides	2 On Sides	4 On Sides
Input Connector Type	2x Speakon	2x Speakon	2x Speakon	3x Speakon	3x Speakon	2x Speakon	2x Speakon	2x Speakon
HPF Output Connector Type	-	-	-	-	-	1x Speakon	1x Speakon	N/A
Net Weight	24.7Kg 54.5lbs	29.9Kg 65.9lbs	52.9Kg 116.6lbs	23.18Kg 50.9lbs	27.24Kg 59.9lbs	31.5Kg 69.4lbs	37.3Kg 82.06lbs	78.9Kg 173.9lbs
Gross Weight	29.0Kg 63.8lbs	35.5Kg 78.1lbs	59.0Kg 130.0lbs	28.5Kg 62.8lbs	33.96Kg 74.7lbs	35.12Kg 77.4lbs	43.2Kg 95.04lbs	86.0Kg 189.6lbs
Dimensions (Unpacked)								
H	630mm / 24.8"	700mm / 27.6"	1135mm / 44.7"	449mm / 17.7" (SITU)	493mm / 19.4" (SITU)	471mm / 18.5"	539mm / 21.2"	541mm / 21.3"
W FRONT/REAR	390/241.2mm / 15.3/9.5"	446/281.4mm / 17.6/11.1"	488/299.6mm / 19.2/11.8"	390mm / 15.3"	446mm / 17.6"	471mm / 18.5"	539mm / 21.2"	1041mm / 41"
D	373mm / 14.7"	406mm / 16"	450mm / 17.7"	618mm / 24.3"	685mm / 27"	600mm / 23.6"	650mm / 25.6"	650mm / 25.6"
Dimensions (Packed)								
H	733mm / 28.9"	803mm / 31.6"	1218mm / 48.0"	462mm / 18.2"	518mm / 20.4"	556mm / 21.9"	624mm / 24.6"	626mm / 24.6"
W FRONT/REAR	566mm / 22.3"	622mm / 24.5"	558mm / 22.0"	690mm / 27.2"	757mm / 29.8"	672mm / 26.5"	722mm / 28.4"	1126mm / 44.3"
D	464mm / 18.3"	498mm / 19.6"	522mm / 20.6"	522mm / 20.6"	565mm / 22.2"	543mm / 21.4"	611mm / 24.1"	722mm / 28.4"
CBM	0.193	0.25	0.355	0.17	0.22	0.21	0.28	0.51