



Delta Series

The Wharfedale Pro Delta Series is the replacement for the DLX Series. Delta is built upon the workhorse reputation of its predecessors the DLX and LX, and includes improvements and new features that ensure this popular line will continue to enjoy success for many years to come.

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

Comprehensive rigging points are provided for use in flown applications, so Delta is equally at home in a wide variety of fixed installation and touring 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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Specifications



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	Paper	Paper	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°)	Dual-Angle (0° or -10°)	-	-	-	-	-	-
	35 mm Pole Socket	35 mm Pole Socket	-	-	-	35mm	35mm	-
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	29.9Kg	52.9Kg	23.18Kg	27.24Kg	31.5Kg	37.3Kg	78.9Kg
	54.5lbs	65.9lbs	116.6lbs	50.9lbs	59.9lbs	69.4lbs	82.06lbs	173.9lbs
Gross Weight	29.0Kg	35.5Kg	59.0Kg	28.5Kg	33.96Kg	35.12Kg	43.2Kg	86.0Kg
	63.8lbs	78.1lbs	130.0lbs	62.8lbs	74.7lbs	77.4lbs	95.04lbs	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