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EIGHTEEN
SOUND

PROFESSIONAL
LOUDSPEAKERS

2019 PRODUCT OVERVIEW





Eighteen Sound is a leading designer and manufacturer of high quality professional audio loudspeakers, developing state-of-the-art transducer technologies and using the most advanced production techniques, located in Reggio Emilia, Italy.

The Eighteen Sound R&D and engineering teams' mix a forward-thinking design approach and highest technical accuracy with the skills and attention of an experienced production team, resulting in the exceptional products created at the home offices and manufacturing center.

Repeatability and fulfillment of design in every production unit are crucial to our customers, and as such they represent our ultimate goals and our daily responsibility. To achieve this mission, each production line is equipped with proprietary robotic equipment that precisely performs the most delicate tasks such as accurately moving and tempering parts or adhesives application in exact amounts, while highly skilled assembly technicians handle the essential human interface segments that define the perfect collaboration representing the hallmark of Eighteen Sound products.



Quality Control is instituted at every stage of the manufacturing process, whether by automation and software, or close visual and tactile review. In the first stage of manufacturing, the raw materials are sourced only from providers with impeccable credential and documentation. Throughout the production process, each stage is equipped with automation and QC workstations to ensure accuracy and validation of test criteria and design.

Supporting our Customers to fulfill their own goals is a fundamental key in Eighteen Sound's philosophy, and Eighteen Sound's Research & Development department cooperates daily with top Pro Audio speaker systems manufacturers: the attention to their needs with an open-minded approach to the customer helps us to satisfy the most demanding professional audio market requirements, and to always fulfill the most rigorous and challenging expectations in audio reproduction.





LF TRANSDUCERS - NEODYMIUM

	21NTLW5000	21ID	21NLW9601	21NLW9001	21NLW4000	18NTLW5000	18ID
							
Application	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	Dual 135 mm (5.3 in)	135 mm (5.3 in)	135 mm (5.3 in)	135 mm (5.3 in)	100 mm (4 in)	Dual 115 mm (4.5 in)	135 mm (5.3 in)
Program Power	4000 W	3600 W	3600 W	3200 W	3200 W	4000 W	3600 W
Sensitivity (1W/1m)	97 dB	94.2 dB	96 dB	98 dB	94 dB	95 dB	95 dB
Frequency Range	30 - 1800 Hz	29 - 1600 Hz	25 - 2000 Hz	25 - 1500 Hz	30 - 1800 Hz	30 - 1800 Hz	30 - 2500 Hz
Xmax	± 17.5 mm	± 14 mm	± 14 mm	± 14 mm	± 15 mm	± 17.5 mm	± 15.5 mm
Vas	270 lt. (9.54 cu.ft)	143 lt. (5.05 ft³)	175 lt. (6.18 cu.ft)	244 lt (8.62 cu.ft)	305 lt (10.77 cu.ft)	176 lt. (6.15 cu.ft)	67 lt. (2.36 cu.ft)
Fs / Qts	31 Hz / 0.26	38 Hz / 0.24	37 Hz / 0.29	32 Hz / 0.31	30 Hz / 0.35	32 Hz / 0.32	40 Hz / 0.26
Net Weight	12.5 kg (27.56 lb)	12.8 kg (27.6 lb)	14 kg (30.9 lb)	13.40 kg (29.54 lb)	11.6 kg (25.5 lb)	12 kg (26.46 lb)	12.5 kg (27.56 lb)
Depth	320 mm (12.6 in)	250 mm (9.8 in)	250 mm (9.8 in)	250 mm (9.8 in)	245 mm (9.64 in)	310 mm (12.2 in)	236 mm (9.29 in)
Bl	32 Tm	25.20 Tm	43 Tm	37 Tm	30.5 Tm	31.3 Tm	24 Tm
Features	ISV	ID - TSS - ISV - SDR	ISV - TSS - SDR	ISV - TSS - SDR	ISV - SDR	TTC	ID - TSS - ISV - SDR

	18NLW9601	18NLW4500	18NLW4000	15NTLW3500	15NLW9500	15NLW9401	15NLW9300
							
Application	Subwoofer	Subwoofer	Subwoofer	Woofer	Subwoofer	Subwoofer	Woofer
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	135 mm (5.3 in)	115 mm (4.5 in)	100 mm (4 in)	88 mm (3.5 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)
Program Power	3600 W	3000 W	3200 W	1800 W	1400 W	2400 W	1200W
Sensitivity (1W/1m)	96 dB	95.5 dB	94 dB	100 dB	96 dB	97.5 dB	97dB
Frequency Range	30 - 2300 Hz	30 - 2000 Hz	30 - 1800 Hz	46 - 3500 Hz	42 - 2000 Hz	30 - 2300 Hz	50 - 3000 Hz
Xmax	± 14 mm	± 15 mm	± 15 mm	± 9 mm	± 9 mm	± 10 mm	± 8 mm
Vas	120 lt. (5.79 cu.ft)	173 lt. (6.11 cu.ft)	135 lt (4.76 cu.ft)	160 lt (5.65 cu.ft)	163 lt (5.8 cu.ft)	134 lt (4.73 cu.ft)	170 lt. (6 cuft)
Fs / Qts	39 Hz / 0.28	34 Hz / 0.29	34 Hz / 0.33	41 Hz / 0.36	35 Hz / 0.32	39 Hz / 0.26	39 Hz / 0.26
Net Weight	12.8 kg (27.6 lb)	14 kg (30.86 lb)	9.8 kg (21.6 lb)	6 kg (13.2 lb)	7 kg (15.5 lb)	7.5 kg (16.53 lb)	7.9 kg (17.41 lb)
Depth	236 mm (9.29 in)	236 mm (9.29 in)	227 mm (8.93 in)	230 mm (9.05 in)	177.4 mm (6.98 in)	180 mm (7.13 in)	174 mm (6.85 in)
Bl	31 Tm	30.7 Tm	30 Tm	19.5 Tm	21.6 Tm	25.4 Tm	24.4 Tm
Features	ISV - DSS - SDR	ISV - SDR	ISV - SDR	DG	ISV - DSS - DDR	ISV - DSS	ISV - DSS

	15ND930	15ND830	12NTLW3500	12NLW9300	12ND930	12ND830	12ND610
							
Application	Woofer	Woofer	Woofer	Woofer	Woofer	Woofer	Midbass
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	75 mm (3 in)	75 mm (3 in)	88 mm (3.5 in)	100 mm (4 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)
Program Power	800W	700 W	1800 W	1200 W	800 W	700 W	700 W
Sensitivity (1W/1m)	98 dB	98 dB	98 dB	97 dB	98 dB	98 dB	102 dB
Frequency Range	40 - 4100 Hz	38 - 5000 Hz	60 - 3500 Hz	45 - 3200 Hz	46 - 4500 Hz	53 - 5000 Hz	80 - 5500 Hz
Xmax	± 7.5 mm	± 6.5 mm	± 9 mm	± 8 mm	± 6.5 mm	± 6.5 mm	± 3.5 mm
Vas	206 lt. (7.28 cu.ft)	213 lt. (7.5 cu.ft)	47.5 lt (16.77 cu.ft)	87 lt. (3.07 cu.ft)	70 lt. (2.47cu.ft)	72 lt. (2.54cu.ft)	94.4 lt. (3.32 cu.ft)
Fs / Qts	36 Hz / 0.22	39 Hz / 0.32	51 Hz / 0.355.5 kg (121 lb)	40 Hz / 0.24	50 Hz / 0.21	55 Hz / 0.28	46 Hz / 0.14
Net Weight	4.1 kg (9 lb)	4.1 kg (8.05 lb)	195 mm (7.67 in)	6.2 kg (13.69 lb)	4 kg (8.83 lb)	4 kg (8.83 lb)	3.4 kg (7.51 lb)
Depth	177 mm (7 in)	177 mm (7.01 in)	19.5 Tm	153 mm (6.02 in)	140 mm (5.52 in)	140 mm (5.52 in)	124 mm (4.88 in)
Bl	23.8 Tm	18 Tm	DG	18 Tm	21.2 Tm	17.6 Tm	24 Tm
Features	ISV - DDR	ISV - DDR	DG	ISV - DDR	ISV - DDR	ISV	ISV

	12NMB420	10NDA610	10NW750	10NMB420	10NW650	8NMB750	8NW650
							
Application	Midbass	Mid	Woofer	Midbass	Woofer	Midbass	Woofer
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	65 mm (2.5 in)	65 mm (2.5 in)	75 mm (3 in)	65 mm (2.5 in)
Program Power	450 W	600 w	900 W	500 W	600 W	700 W	600 W
Sensitivity (1W/1m)	100.5 dB	103 dB	94 dB	99 dB	93.5 dB	93.5 dB	96 dB
Frequency Range	55 - 6000 Hz	100 - 6100 Hz	50 - 5000 Hz	65 - 5000 Hz	60 - 6000 Hz	56 - 7000 Hz	55 - 6300 Hz
Xmax	± 4 mm	± 2.5 mm	± 7.5 mm	± 4 mm	± 7 mm	± 6.3 mm	± 5.5 mm
Vas	105 lt. (3.71 cu.ft)	18 lt. (0.64 cu.ft)	34 lt (1.19 cu.ft)	30 lt. (1.06 cu.ft.)	48 lt (1.70 cu.ft.)	73 lt. (0.23 cu.ft)	17.8 lt. (0.63 cu.ft)
Fs / Qts	53 Hz / 0.28	89 Hz / 0.23	53 Hz / 0.31	65 Hz / 0.33	51 Hz / 0.28	91 Hz / 0.37	63 Hz / 0.25
Net Weight	2.8 kg (6.2 lb)	3.5 kg (7.7 lb)	4 kg (8.82 lb)	3.4 kg (7.5 lb)	2.7 kg (5.95 lb)	3.5 kg (7.72 lb)	2.2 kg (4.85 lb)
Depth	127 mm (5.00 in)	96 mm (3.78 in)	130 mm (5.12 in)	122 mm (4.8 in)	131.8 mm (5.19 in)	105 mm (4.13 in)	111.3 mm (4.38 in)
Bl	13.9 Tm	20.3 Tm	16.4 Tm	19.5 Tm	14 Tm	21.5 Tm	15.2 Tm
Features	ISV - SDR	AIC - ISV	ISV - SDR	ISV - SDR	ISV	ISV - SDR	ISV



LF TRANSDUCERS - NEODYMIUM

8NMB420



6ND430



6NMB420



6ND410



Application	Midbass	Woofer	Midbass	Mid
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	51 mm (2 in)	45 mm (1.77 in)	45 mm (1.77 in)	45 mm (1.77 in)
Program Power	400 W	260 W	260 W	240 W
Sensitivity (1W/1m)	95 dB	92.5 dB	100 dB	102 dB
Frequency Range	60 - 5500 Hz	63 - 5500 Hz	200 - 7000 Hz	200 - 8000 Hz
Xmax	± 5.75 mm	± 5.5 mm	± 3 mm	± 2 mm
Vas	33 lt. (1.2 cu.ft)	12.6 lt. (0.4 cu.ft)	6.1 lt. (0.22 cu.ft)	6.2 lt. (0.22 cu.ft)
Fs / Qts	61 Hz / 0.28	61 Hz / 0.27	110 Hz / 0.33	120 Hz / 0.24
Net Weight	2.0 kg (4.4 lb)	1.25 kg (2.76 lb)	1.25 kg (2.75 lb)	1.25 kg (2.75 lb)
Depth	99 mm (3.9 in)	73 mm (2.87 in)	73 mm (2.87 in)	60 mm (2.3 in)
Bl	10 Tm	10 Tm	9 Tm	11.6 Tm
Features	ISV - SDR	-	SDR	ISV



LF TRANSDUCERS - FERRITE

21LW2500



21LW1400



18TLW3000



18LW2420



18LW2400



18LW1400



18LW1251



Application	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Voice Coil Diameter	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)
Program Power	3200 W	1600 W	3600 W	2600 W	2400 W	1400 W	1400 W
Sensitivity (1W/1m)	95 dB	99 dB	95 dB	97 dB	98 dB	98 dB	98 dB
Frequency Range	30-1000Hz	24 - 2000 Hz	30 - 2000 Hz	35 - 2500 Hz	31 - 2500 Hz	28 - 2500 Hz	35 - 3500 Hz
Xmax	± 14 mm	± 9.5 mm	± 12 mm	± 10 mm	± 9.5 mm	± 9 mm	± 9 mm
Vas	305 lt. (10.77 cu.ft)	385 lt. (13.6 cu.ft)	185 lt. (6.53 cu.ft)	255 lt (9 cu.ft)	230 lt. (8.12 cu.ft)	297 lt. (10.49 cu.ft)	268 lt. (9.47 cu.ft)
Fs / Qts	29 Hz / 0.37	28 Hz / 0.23	33 Hz / 0.41	33 Hz / 0.31	35 Hz / 0.31	31 Hz / 0.29	35 Hz / 0.27
Net Weight	17.9 kg (39.4 lb)	17 kg (37.47 lb)	13.2 kg (29.10 lb)	14 kg (30.86 lb)	11.9 kg (26.18 lb)	13.3 kg (29.36 lb)	13 kg (28.7 lb)
Depth	252 mm (9.92 in)	259 mm (10.2 in)	275 mm (10.83 in)	215 mm (8.46 in)	215 mm (8.46 in)	215 mm (8.46 in)	207.9 mm (8.18 in)
Bl	30 Tm	33.5 Tm	24.5 Tm	24.6 Tm	25.6 Tm	24.7 Tm	23.6 Tm
Features	ISV - SDR	ISV - DSS - DDR	TTC	ISV - DDR	ISV - DSS - DDR	ISV - DSS - DDR	ISV - DSS

18W2001



15TLW3000



15LW2400



15LW1401



15MB1000



15W930



15W750



Application	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Midbass	Woofer	Woofer
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Voice Coil Diameter	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	75 mm (3 in)	75 mm (3 in)
Program Power	2400 W	3000 W	2400 W	1400 W	1200 W	800 W	200 W
Sensitivity (1W/1m)	99 dB	95.5 dB	97 dB	98 dB	98 dB	98 dB	97 dB
Frequency Range	37 - 3000 Hz	50 - 2000 Hz	40 - 2200 Hz	40 - 2400 Hz	45 - 5100 Hz	50 - 3600 Hz	50 - 4300 Hz
Xmax	± 7 mm	± 9 mm	± 10 mm	± 9 mm	± 6 mm	± 7.5 mm	± 8 mm
Vas	230 lt. (8.12 cu.ft)	140 lt. (4.95 cu.ft)	131 lt. (4.63 cu.ft)	131 lt. (4.63 cu.ft)	132.5 lt. (4.66 cu.ft)	240 lt. (8.46 cu.ft)	218 lt. (7.70 cu.ft)
Fs / Qts	37 Hz / 0.25	42 Hz / 0.44	40 Hz / 0.3	42 Hz / 0.27	48 Hz / 0.31	33 Hz / 0.22	39 Hz / 0.37
Net Weight	11.5 kg (26.35 lb)	12.5 kg (27.56 lb)	11.2 kg (24.7 lb)	12.4 kg (27.37 lb)	11.4 kg (25.13 lb)	7.6 kg (16.7 lb)	7.6 kg (16.7 lb)
Depth	205.9 mm (8.1 in)	245 mm (9.65 in)	181 mm (7.13 in)	163.4 mm (6.43 in)	156.4 mm (6.16 in)	185 mm (7.28 in)	184.5 mm (7.26 in)
Bl	27.1 Tm	23.4 Tm	24 Tm	24.2 Tm	21 Tm	22.1 Tm	17.6 Tm
Features	ISV - DSS	TTC	ISV - DSS - DDR	ISV - DSS - DDR	ISV - DDR	ISV - SDR	ISV



	15W700	15MB700	15MB606	15W500	12LW1400	12MB1000	12W750
							
Application	Woofer	Midbass	Midbass	Woofer	Subwoofer	Midbass	Woofer
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Voice Coil Diameter	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	65 mm (2.5 in)	100 mm (4 in)	100 mm (4 in)	75 mm (3 in)
Program Power	700 W	600 W	600 W	500 W	1400 W	800 W	1200 W
Sensitivity (1W/1m)	99 dB	103 dB	101 dB	100.5 dB	96 dB	102 dB	97 dB
Frequency Range	38 - 5000 Hz	45 - 4300 Hz	45 - 4800 Hz	50 - 4500 Hz	51 - 4000 Hz	80 - 3500 Hz	50 - 4600 Hz
Xmax	± 6.5 mm	± 5.5 mm	± 4.5 mm	± 4 mm	± 8.25 mm	± 2.5 mm	± 8 mm
Vas	217 lt. (7.67 cu.ft)	202 lt. (7.14 cu.ft)	223 lt. (7.88 cu.ft)	189 lt. (6.68 cu.ft)	55 lt. (1.94 cu.ft)	60 lt. (2.12 cu.ft)	73 lt. (2.58 cu.ft)
Fs / Qts	38 Hz / 0.3	42 Hz / 0.29	43 Hz / 0.35	50 Hz / 0.52	45 Hz / 0.3	54 Hz / 0.18	49 Hz / 0.28
Net Weight	8.5 kg (18.73 lb)	8.3 kg (18.3 lb)	6.7 kg (14.77 lb)	4.3 kg (9.4 lb)	10.9 kg (26.5 lb)	9.6 kg (21.19 lb)	7.5 kg (16.5 lb)
Depth	168.5 mm (6.63 in)	167.5 mm (6.59 in)	171.5 mm (6.75 in)	161 mm (6.33 in)	141 mm (5.55 in)	118.4 mm (4.66 in)	148 mm (5.83 in)
Bl	18.4 Tm	17.6 Tm	15.1 Tm	12.6 Tm	20 Tm	23.5 Tm	18 Tm
Features	ISV	ISV	ISV	ISV	ISV - DSS - DDR	ISV	ISV

	12W700	12MB700	12MB600	12MB650	12W500	10MB600	10M600
							
Application	Woofer	Midbass	Midbass	Midbass	Woofer	Midbass	Mid
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Voice Coil Diameter	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	65 mm (2.5 in)	65 mm (2.5 in)	75 mm (3 in)	75 mm (3 in)
Program Power	700 W	600 W	600 W	800 W	500 W	700 W	500 W
Sensitivity (1W/1m)	98 dB	101.5 dB	101 dB	98 dB	99.5 dB	98 dB	102 dB
Frequency Range	55 - 4200 Hz	60 - 5000 Hz	58 - 5000 Hz	45 - 5000 Hz	50 - 6000 Hz	55 - 4500 Hz	80 - 5200 Hz
Xmax	± 6.5 mm	± 4.5 mm	± 4.5 mm	± 5.5 mm	± 4 mm	± 6.5 mm	± 4 mm
Vas	55 lt. (1.94 cu.ft)	101 lt. (3.57 cu.ft)	115 lt. (4.06 cu.ft)	90 lt. (3.18 cu.ft)	123 lt. (4.34 cu.ft)	33.4 lt. (1.18 cu.ft)	25.6 lt. (0.9 cu.ft)
Fs / Qts	58 Hz / 0.36	49 Hz / 0.19	44 Hz / 0.18	48 Hz / 0.23	46 Hz / 0.36	58 Hz / 0.22	70 Hz / 0.23
Net Weight	8.2 kg (18.1 lb)	8 kg (17.66 lb)	8 kg (17.66 lb)	6.8 kg (14.95 lb)	4.5 kg (9.93 lb)	7.2 kg (15.87 lb)	7.35 kg (16.23 lb)
Depth	147.5 mm (5.80 in)	147.5 mm (5.82 in)	147.5 mm (5.82 in)	143 mm (5.63 in)	141 mm (5.55 in)	127 mm (5 in)	126 mm (4.95 in)
Bl	17.7 Tm	17.8 Tm	18 Tm	19 Tm	12.1 Tm	18.6 Tm	17.6 Tm
Features	ISV	ISV - DDR	ISV	ISV	ISV	ISV	ISV

	10W500	8MB500	8M400	5W430
				
Application	Woofer	Midbass	Mid	Woofer
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite
Voice Coil Diameter	51 mm (2 in)	51 mm (2 in)	51 mm (2 in)	25.4 mm (1 in)
Program Power	400 W	400 W	320 W	120 W
Sensitivity (1W/1m)	98 dB	95 dB	100.5 dB	89 dB
Frequency Range	55 - 4500 Hz	60 - 4500 Hz	120 - 6100 Hz	60 - 8000 Hz
Xmax	± 5.5 mm	± 6 mm	± 3 mm	± 6 mm
Vas	45.2 lt. (1.60 cu.ft)	21.5 lt. (0.76 cu.ft)	16.2 lt. (0.57 cu.ft)	15 lt (0.53 cu.ft)
Fs / Qts	53 Hz / 0.29	74 Hz / 0.43	90 Hz / 0.27	52 Hz / 0.32
Net Weight	4.7 kg (10.38 lb)	3.4 kg (7.5 lb)	4.5 kg (9.93 lb)	1.2 kg (2.64 lb)
Depth	121.5 mm (4.78 in)	99.5 mm (3.92 in)	105.5 mm (4.15 in)	72 mm (2.83 in)
Bl	14.6 Tm	9 Tm	12.2 Tm	6.3 Tm
Features	ISV	ISV	ISV	-



HF DRIVERS - NEODYMIUM

	ND4015BE	NSD4015N	ND4015TI2	ND35T	ND3T	ND3A	ND32ST
							
Throat Diameter	39 mm (1.5 in)	39 mm (1.5 in)	39 mm (1.5 in)	36 mm (1.4 in)	36 mm (1.4 in)	36 mm (1.4 in)	50 mm (2 in)
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Program Power	280W	320W	320 W	240 W	220 W	220 W	220 W
Sensitivity	113 dB	111 dB	113 dB	112 dB	112 dB	112 dB	112 dB
Voice Coil Diameter	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)
Voice Coil Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Diaphragm Material	Beryllium	Nitride coated Titanium	Titanium	Titanium	Titanium	Aluminium	Titanium
Frequency Range	900 Hz - 20 kHz	800 Hz - 20 kHz	800 Hz - 20 kHz	800 - 20000 Hz	800 - 20000 Hz	800 - 20000 Hz	800 - 20000 Hz
Recommended	1200 Hz	1000 Hz	1000 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz
Xover Frequency	3.2 Kg (7.05 lb)	3.2 Kg (7 lb)	3.2 Kg (7 lb)	2.3 Kg (5.07 lb)	1.65 kg (3.64 lb)	1.65 kg (3.64 lb)	2 kg (4.4 lb)
Net Weight Overall	150 mm (6 in)	150 mm (6 in)	150 mm (6 in)	120 mm (4.7 in)	109 mm (4.3 in)	109 mm (4.3 in)	109 mm (4.3 in)
Diameter Features	EWAL	EWAL - TPM	EWAL	EWAL	EWAL	EWAL	EWAL

	ND2080	ND2060A	ND2060	NSD1480N	ND1480A	ND1460A	NSD1424BTN
							
Throat Diameter	50 mm (2 in)	50 mm (2 in)	50 mm (2 in)	36 mm (1.4 in)	36 mm (1.4 in)	36 mm (1.4 in)	36 mm (1.4 in)
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Program Power	200 W	200 W	200 W	200 W	160 W	160 W	140 W
Sensitivity	110 dB	109 dB	109 dB	111 dB	111 dB	110 dB	110 dB
Voice Coil Diameter	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	64 mm (2.4 in)
Voice Coil Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Diaphragm Material	Titanium	Aluminium	Titanium	Nitride coated Titanium	Aluminium	Aluminium	Nitride coated Titanium
Frequency Range	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz	800 Hz - 20 kHz
Recommended	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz
Xover Frequency	3.4 kg (7.49 lb)	3.2 kg (7.05 lb)	3.2 kg (7.05 lb)	3.1 Kg (6.98 lb)	3.1 Kg (6.98 lb)	3.2 Kg (7.1 lb)	1.7 Kg (3.70 lb)
Net Weight Overall	131 mm (5.1 in)	132.5 mm (5.22 in)	132.5 mm (5.22 in)	131 mm (5.1 in)	131 mm (5.1 in)	132.5 mm (5.22 in)	116.6 mm (4.59 in)
Diameter Features	EWAL	EWAL	EWAL	EWAL - TPM	EWAL	EWAL	EWAL - TPM - 3P

	ND1424BT	ND2T	NSD1095N	ND1090	ND1085	ND1070	ND1018BT
							
Throat Diameter	36 mm (1.4 in)	36 mm (1.4 in)	25.4 mm (1 in)	25.4 mm (1 in)	25.4 mm (1 in)	25.4 mm (1 in)	25.4 mm (1 in)
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Program Power	140 W	160 W	100 W	100 W	80 W	100 W	100 W
Sensitivity	109 dB	110 dB	110 dB	110 dB	110 dB	109 dB	108 dB
Voice Coil Diameter	64 mm (2.4 in)	64 mm (2.4 in)	44.4 mm (1 ¾ in)	44.4 mm (1 ¾ in)	44.4 mm (1 ¾ in)	44.4 mm (1 ¾ in)	44.4 mm (1 ¾ in)
Voice Coil Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Diaphragm Material	Titanium	Titanium	Nitride coated Titanium	Titanium-Pen	Pen	Titanium-Pen	Titanium
Frequency Range	800 Hz - 20 kHz	800 Hz - 20 kHz	1600Hz - 20kHz	1600Hz - 20kHz	1600Hz - 20kHz	1600Hz - 20kHz	1600Hz - 20kHz
Recommended	1200 Hz	1200 Hz	1600 Hz	1600 Hz	1600 Hz	1600 Hz	1600 Hz
Xover Frequency	1.7 Kg (3.70 lb)	1.50 kg (3.30 lb)	1.1 Kg (2.42 lb)	1.1 Kg (2.42 lb)	1.1 Kg (2.42 lb)	1.1 Kg (2.42 lb)	1 Kg (2.2 lb)
Net Weight Overall	116.6 mm (4.59 in)	104 mm (4.1 in)	93 mm (3.7 in)	93 mm (3.7 in)	92 mm (3.6 in)	98 mm (3.9 in)	98 mm (3.9 in)
Diameter Features	EWAL - 3P	EWAL - 3P	EWAL - TPM - 3P	EWAL - 3P	EWAL - 3P	EWAL - 3P	EWAL - 3P

	ND1050	ND1030
		
Throat Diameter	25.4 mm (1 in)	25.4 mm (1 in)
Magnet Material	Neodymium	Neodymium
Program Power	100 W	60 W
Sensitivity	110 dB	107 dB
Voice Coil Diameter	44.4 mm (1 ¾ in)	34.4 mm (1 ⅓ in)
Voice Coil Material	Aluminium	Aluminium
Diaphragm Material	Titanium-Pen	Titanium
Frequency Range	1600Hz - 20kHz	1800Hz - 20kHz
Recommended	1600 Hz	1800 Hz
Xover Frequency	0.55 kg (1.21 lb)	0.7 kg (1.54 lb)
Net Weight Overall	75 mm (3 in)	85 mm (3.3 in)
Diameter Features	EWAL - 3P	EWAL - 3P



HF DRIVERS - FERRITE

	HD3020T	HD3000T	HD2080T	HD1480T	HD2020	HD2000	HD1050
							
Throat Diameter	50 mm (2 in)	36 mm (1.4 in)	50 mm (2 in)	36 mm (1.4 in)	50 mm (2 in)	36 mm (1.4 in)	25.4 mm (1 in)
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Program Power	240 W	240 W	200 W	200 W	140 W	140 W	100 W
Sensitivity	111 dB	112 dB	109 dB	109 dB	108 dB	108 dB	107 dB
Voice Coil Diameter	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	64 mm (2.4 in)	64 mm (2.4 in)	44.4 mm (1 3/4 in)
Voice Coil Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Diaphragm Material	Titanium - Pen	Titanium - Pen	Titanium - Pen	Titanium - Pen	Titanium	Titanium	Titanium - Pen
Frequency Range	800 Hz - 20 kHz	800 Hz - 20 kHz	500Hz - 20kHz	500Hz - 20kHz	1000 Hz - 20 kHz	1000 Hz - 20 kHz	1600Hz - 20kHz
Recommended	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1600 Hz
Xover Frequency	5.3 (11.7 lb)	5.3 (11.7 lb)	5.2 Kg (11.46 lb)	5.3 Kg (11.60 lb)	3.2 kg (7.05 lb)	3.2 kg (7.05 lb)	1.6 Kg (3.52 lb)
Net Weight Overall	170 mm (6.7 in)	170 mm (6.7 in)	169 mm (6.65 in)	169 mm (6.65 in)	145 mm (6 in)	145 mm (6 in)	110 mm (4.3 in)
Diameter Features	EWAL	EWAL	EWAL	EWAL	EWAL - 3P	EWAL - 3P	EWAL - 3P

	HD1040	HD1030	HD125	XD125
				
Throat Diameter	25.4 mm (1 in)	25.4 mm (1 in)	25.4 mm (1 in)	25.4 mm (1 in)
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite
Program Power	80 W	60 W	50 W	50 W
Sensitivity	107 dB	106 dB	109 dB	109 dB
Voice Coil Diameter	44.4 mm (1 3/4 in)	34.4 mm (1 1/3 in)	25.4 mm (1 in)	25.4 mm (1 in)
Voice Coil Material	Aluminium	Aluminium	Aluminium	Aluminium
Diaphragm Material	Pen	Titanium	Pen	Pen
Frequency Range	1600Hz - 20kHz	1800Hz - 20kHz	2 kHz - 18 kHz	2 kHz - 18 kHz
Recommended	1600 Hz	1800 Hz	2500 Hz	2500 Hz
Xover Frequency	1.6 Kg (3.52 lb)	1 kg (2.2 lb)	0.8 Kg (1.77 lb)	1.1 kg (0.5 lb)
Net Weight Overall	110 mm (4.3 in)	91 mm (3.6 in)	87 mm (3.4 in)	200 mm (7.8 in)x150 mm (5.9 in)
Diameter Features	EWAL - 3P	EWAL	EWAL	EWAL



COAXIALS

	15NCX1000	15NCX750	12NCX750	8CX401F
				
Dispersion angle	90°	80°	80°	90°
LF/HF Contin.				
Program Power	1200W / 260W	800W / 140W	800W / 140W	280W / 50W
LF/ HF Sensitivity	96 dB / 108 dB	98 dB / 107 dB	98 dB / 107 dB	95 dB / 105 dB
Frequency Range (LF)	44 - 3600 Hz	55 - 4500 Hz	55 - 4500 Hz	65 - 6100 Hz
Crossover Frequency	1200 Hz	1400 Hz	1400 Hz	3000 Hz
LF/HF Voice Coil Diameter	100 mm / 100 mm	75 mm / 60 mm	75 mm / 60 mm	51 mm / 25.4 mm
LF/HF Magnet Material	Neo / Neo	Neo / Neo	Neo / Neo	Ferrite / Ferrite
HF Diaphragm Material	Titanium	Titanium	Titanium	Pen
LF Xmax	± 7.5 mm	± 5.5 mm	± 5.5 mm	± 5.8 mm
Vas	75 lt. (2.65 cu.ft)	141 lt. (4.98 cu.ft)	763 lt. (2.23 cu.ft)	23.9 lt. (0.85 cu.ft)
LF Fs / Qts	53 Hz / 0.31	49 Hz / 0.37	58 Hz / 0.29	56 Hz / 0.34
Net Weight	7 Kg	4.9 Kg	4.5 Kg	4.4 Kg
Depth	197 mm (7.76 in)	185 mm (7.28 in)	148 mm (5.85 in)	150.5 mm (5.93 in)
Features	ISV - EWAL	ISV - SDR - EWAL	ISV - SDR - EWAL	ISV - EWAL

XR2064C

XR1496C

XR1464C

XR1064

XT1464

XT1086

XT120


Material	Composite	Composite	Composite	Aluminium	Polyurethane	Aluminium	Polyurethane
Throat Entry	50 mm (2 in)	35.5 mm (1.4 in)	35.5 mm (1.4 in)	25.4 mm (1 in)	35.5 mm (1.4 in)	25.4 mm (1 in)	25.4 mm (1 in)
Coverage Angle (HxV)	60° x 40°	90° x 60°	60° x 40°	60° x 40°	60° x 40°	80° x 40°	90° x 60°
Dimensions (HxWxD)	270x270x200 mm	270x270x180 mm	270x270x180 mm	210x210x110 mm	304x 380x257 mm	215x260x126 mm	150x200x103 mm
Min Xover Freq.	800 Hz	800 Hz	800 Hz	1000 Hz	800 Hz	1200 Hz	2000 Hz
Net Weight	1.6 Kg	1.4 Kg	1.4 Kg	0.75 Kg	1.3 Kg	1 Kg	0.35 Kg
Technologies	CD	CD	CD	CD	ESS	ESS	ESS

LINE ARRAY WAVEGUIDES
XG14

XG10


Horizontal coverage	100°	100°
Sensitivity	111 dB	111 dB
Frequency Range	Above 800 Hz	Above 1200 Hz
Recomm. Crossover	1000 Hz	1400 Hz
Frequency Net	1 Kg	0.4 Kg
Weight Depth	215 mm	130 mm
Material	Die-cast Aluminium	Die-cast Aluminium

CROSSOVERS
03712XCR00

03715XCR00


Speaker Model	12NCX750	15NCX750
Xover Frequency	2400 Hz	2200 Hz
HF Slope/Octave	12dB/oct	12dB/oct
LF Slope/Octave	24dB/oct	24dB/oct
Peak Power HF	1600W	1600W
Protection	Yes	Yes

KEY FEATURES

TTC - Tetracoil Double Voice Coil (TTC) technology is based on an innovative magnetic structure where two different inside-outside voice coils are wound on the same former and suspended evenly in the two magnetic gaps.

The key advantages are:

- 1) Ideal motor symmetry over large displacement providing flat inductance and minimal even-order distortion.
- 2) Excellent thermal dissipation and reduction of thermal distortion resulting from: (a) twice the voice coil surface area of a standard single voice coil of the same diameter and, (b) reduced power compression for up to 50% more output at high power.

DG - Dual Gap uses the same motor structure as in Tetracoil and brings its benefits in terms of BI symmetry and thermal dissipation to mid-bass applications. The Dual Gap technology differs from TTC for the use of a single coil wound outside the former, allowing for a further reduction of the inductance and of the consequent distortion affecting especially the vocal range, making this technology ideal for full-range speaker systems.

ISV - Interleaved Sandwich Voice coil (ISV) technology is based on a high strength fiberglass former where half of the coil is wound on the outside and the other half is wound on the inside. As a final result a balanced, linear motor unit is achieved. High force factor and improved heat dissipation are further advantages of the ISV technology.

EWAL - Edge Wound Aluminium Voice coil (EWAL) technology identifies models where this specific kind of wire is used in the voice coil winding.

AIC - Active Impedance Control (AIC) technology utilizes a secondary voice coil permanently fixed on the pole piece of the magnetic structure. The magnetic field generated by this secondary coil provides induction reduction for a flat impedance curve that increases sensitivity and extends high frequency bandwidth, while reducing harmonic and intermodulation distortion.

DSS - The Double Silicon Spider (TSS) technology was developed by Eighteen Sound in 1998 and consists of a double layer spider structure, glued by a special silicone based adhesive mix. The result is an ultra-linear piston action and full suspension control across the entire working range.

TSS - The Triple Silicon Spider (TSS) technology is an evolution of the DSS technology. It consists of a triple layer spider structure, glued with a special silicone based adhesive mix. This suspension type is able to control the moving mass with high linearity, demonstrating an exceptional stability of mechanical parameter values in the long term.

SDR - Single Demodulating Ring (SDR) technology identifies the usage of an aluminium ring placed into the magnetic structure for reducing intermodulation distortion, while improving the transient response.

DDR - Double Demodulating Rings (DDR) identifies the presence of two aluminium rings embedded in the pole piece of the magnetic structure. These rings have been designed to dramatically reduce the intermodulation and harmonic distortion while improving the transient response of the transducer.

ACS - Active Cooling System (ACS) technology is related to different ways of extracting heat from the transducer motor in order to minimize power compression and increase power handling.

TPM - The True Piston Motion (TPM) technology is based on an exclusive titanium nitride coating process and the use of pure Beryllium membranes that dramatically improve stiffness with great benefits in transient and intermodulation distortion response. TPM is capable of doubling the diaphragm material stiffness without increasing the mass, showing a predictable, ideal frequency response decay and avoiding top-end spurious resonances.

3P - The Proprietary Phase Plug (3P) technology identifies a combination of radial and tangerine slot geometric design. With its short openings and high flare rate value, 3P technology assures low distortion in the mid-high frequency range, providing a smooth coherent wavefront at the horn entrance.

ESS - Elliptical Shape (ESS) technology is related to the geometric profile of the horn surface. ESS horns are able to control the directivity not only on the main vertical and horizontal planes as standard geometry horns, but also in the planes between, resulting in acoustic energy control and increased audio quality.

iD - Eighteen Sound iD loudspeakers are optimized with very low impedance for maximum power transfer from a Class D type amplifier.

iPal - The Eighteen Sound iPAL loudspeakers are designed to couple perfectly with iPAL Differential Pressure Control technology from Powersoft S.p.A. The iPAL power amplification module features a zero latency pressure-sensor feedback applying real-time correction that maximizes the control of select Eighteen Sound high efficiency transducers for unparalleled output at low frequencies.





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