
18
EIGHTEEN
SOUND
2024 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 responsability. 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	21NLW4100	18NTLW5000	18NTLS5000
							
Application	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	Dual 115 mm (4.5 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)	Dual 115 mm (4.5 in)
Program Power	4000 W	3600 W	3600 W	3600 W	3000 W	4000 W	3600 W
Sensitivity (1W/1m)	97 dB	94.2 dB	96 dB	98 dB	96.5 dB	95 dB	89 dB
Frequency Range	30 - 1800 Hz	29 - 1600 Hz	25 - 2000 Hz	25 - 1500 Hz	30 - 1800 Hz	30 - 1800 Hz	35 - 4000 Hz
Xmax	± 17.5 mm	± 14 mm	± 14 mm	± 14 mm	± 15 mm	± 17.5 mm	± 17.75 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)	301 lt (10.64 cu.ft)	176 lt. (6.15 cu.ft)	75 lt. (2.65 cu.ft)
Fs / Qts	31 Hz /0.26	38 Hz / 0.24	37 Hz / 0.29	32 Hz / 0.31	28 Hz / 0.36	32 Hz / 0.32	37 Hz / 0.33
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)	10.6 kg (23.4 lb)	12 kg (26.46 lb)	13.6 kg (30 lb)
Depth	320 mm (12.6 in)	250 mm (9.8 in)	250 mm (9.8 in)	250 mm (9.8 in)	247 mm (9.7 in)	310 mm (12.2 in)	330 mm (13 in)
Bl	32 Tm	25.20 Tm	43 Tm	37 Tm	22.9 Tm	31.3 Tm	30.7 Tm
Features	TTC	ID - TSS - ISV - SDR	ISV - TSS - SDR	ISV - TSS - SDR	ISV - SDR - DSS	TTC	TTC - DSS - Rubber

	18NLS4000	18ID	18ID200	18NLW9601	18NLW4500	18NLW4100	15NTLW3500
	 NEW						
Application	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Woofer
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	100 mm (4 in)	135 mm (5.3 in)	135 mm (5.3 in)	135 mm (5.3 in)	115 mm (4.5 in)	100 mm (4 in)	Dual 88 mm (3.5 in)
Program Power	2400 W	3600 W	3600 W	3600 W	3000 W	3000 W	1800 W
Sensitivity (1W/1m)	88 dB	95 dB	95 dB	96 dB	95.5 dB	96.5 dB	100 dB
Frequency Range	28 - 500 Hz	30 - 2500 Hz	29 - 1000 Hz	30 - 2300 Hz	30 - 2000 Hz	30 - 800 Hz	46 - 3500 Hz
Xmax	± 22.3 mm	± 15.5 mm	± 18.0 mm	± 14 mm	± 15 mm	± 15 mm	± 9 mm
Vas	168 lt. (5.93 cu.ft)	67 lt. (2.36 cu.ft)	136 lt. (4.8 cu.ft)	120 lt. (5.79 cu.ft)	173 lt. (6.11 cu.ft)	180 lt (6.36 cu.ft)	160 lt (5.65 cu.ft)
Fs / Qts	27 Hz / 0.35	40 Hz / 0.26	29 Hz / 0.17	39 Hz / 0.28	34 Hz / 0.29	31 Hz/ 0.34	41 Hz/ 0.36
Net Weight	12 kg (24.64 lb)	12.5 kg (27.56 lb)	18.0 kg (39.68 lb)	12.8 kg (27.6 lb)	14 kg (30.86 lb)	10 kg (22.05 lb)	6 kg (13.2 lb)
Depth	250 mm (0.94 in)	236 mm (9.29 in)	238 mm (9.37 in)	236 mm (9.29 in)	236 mm (9.29 in)	232 mm (9.13 in)	230 mm (9.05 in)
Bl	24.20 Txm	24 Tm	24.4 Tm	31 Tm	30.7 Tm	29.0 Tm	19.5 Tm
Features	ISV - SDR	ID - TSS - ISV - SDR	ID - DSS - ISV	ISV - DSS - SDR	ISV - SDR	ISV - SDR	DG

	15NTLS3500	15NLW9500	15NLW9401	15NLW9300	15NMB1000	15NW530	15ND930
							
Application	Woofer	Subwoofer	Subwoofer	Woofer	Midbass	Subwoofer	Woofer
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	Dual 88 mm (3.5 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	1900 W	1400 W	2400 W	1200W	1800 W	800W	800W
Sensitivity (1W/1m)	89 dB	96 dB	97.5 dB	97dB	101 dB	95.5 dB	98 dB
Frequency Range	28 - 2200 Hz	42 - 2000 Hz	37 - 2300 Hz	50 - 3000 Hz	45 - 2500 Hz	47 - 3500 Hz	40 - 4100 Hz
Xmax	± 15.3 mm	± 9 mm	± 10 mm	± 8 mm	± 6.5 mm	± 7.5 mm	± 7.5 mm
Vas	141 lt (4.98 cu.ft)	163 lt (5.8 cu.ft)	134 lt (4.73 cu.ft)	170 lt. (6 cuft)	124 lt. (4.38 cu.ft)	154 lt. (5.4 cu.ft)	206 lt. (7.28 cu.ft)
Fs / Qts	28 Hz/ 0.42	35 Hz/ 0.32	39 Hz / 0.26	39 Hz / 0.26	46 Hz/ 0.24	48 Hz	36 Hz / 0.22
Net Weight	8.3 kg (18.3 lb)	7 kg (15.5 lb)	7.5 kg (16.53 lb)	7.9 kg (17.41 lb)	6.0 kg (13.23 lb)	4.0 kg (8.8 lb)	4.1 kg (9 lb)
Depth	261 mm (10.3 in)	177.4 mm (6.98 in)	180 mm (7.13 in)	174 mm (6.85 in)	174 mm (6.85 in)	169.5 mm (6.92 in)	177 mm (7 in)
Bl	21.6 Tm	21.6 Tm	25.4 Tm	24.4 Tm	25.2 Tm	22 Tm	23.8 Tm
Features	DG - Rubber	ISV - DSS - DDR	ISV - DSS	ISV - DSS	ISV - SDR	ISV - DSS - SDR	ISV - DDR

	15ND830	12NTLW3500	12NTLS3500	12NTLW2500	10NTLW2500	12NLW9410	12NLW9300
			 NEW	 NEW	 NEW		
Application	Woofer	Woofer	Subwoofer	Subwoofer	Subwoofer	Woofer	Woofer
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	75 mm (3 in)	Dual 88 mm (3.5 in)	Dual 88 mm (3.5 in)	Dual 64 mm (2.5 in)	Dual 64 mm (2.5 in)	100 mm (4 in)	100 mm (4 in)
Program Power	700 W	1800 W	1500 W	1000 W	1000 W	2200 W	1200 W
Sensitivity (1W/1m)	98 dB	98 dB	94.5 dB	98.50 dB	96.50 dB	93 dB	97 dB
Frequency Range	38 - 5000 Hz	60 -3500 Hz	40 - 4500 Hz	55 - 4500 Hz	65 - 5000 Hz	44 - 2900 Hz	45 - 3200 Hz
Xmax	± 6.5 mm	± 9 mm	± 7.9 mm	± 7.60 mm	± 7.60 mm	± 11 mm	± 8 mm
Vas	213 lt. (7.5 cu.ft)	47.5 lt (16.77 cu.ft)	62.8 lt (2.21 cu.ft)	47 lt (58 cu.ft)	21.1 lt (0.74 cu.ft)	56.0 lt. (2.00 cu.ft)	87 lt. (3.07 cu.ft)
Fs / Qts	39 Hz/ 0.32	51 Hz/ 0.35	41 Hz/ 0.34	60 Hz/ 0.38	65 Hz/ 0.33	44 Hz / 0.31	40 Hz / 0.24
Net Weight	4.1 kg (8.05 lb)	5.5 kg (121 lb)	4.7 kg (10.4 lb)	3.6 kg (7.9 lb)	3.1 kg (6.8 lb)	7.5 kg (16.5 lb)	6.2 kg (13.69 lb)
Depth	177 mm (7.01 in)	195 mm (7.67 in)	195 mm (7.67 in)	175 mm (6.9 in)	157 mm (6.20 in)	145.0 mm (5.7 in)	153 mm (6.02 in)
Bl	18 Tm	19.5 Tm	14.5 Tm	17.3 Tm	17.2 Tm	22.2 Tm	18 Tm
Features	ISV - DDR	DG	DG - rubber	DG	DG	ISV - SDR	ISV - DDR

LF TRANSDUCERS - NEODYMIUM

	12NMB1000	12NW350	12ND930	12ND830	12ND610	12NMB420	10NTLW3500
							
Application	Midbass	Woofer	Woofer	Woofer	Midbass	Midbass	Woofer
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	100 mm (4.0 in)	88 mm (3.5 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	65 mm (2.5 in)	Dual 88 mm (3.5 in)
Program Power	1200 W	1600 W	800 W	700 W	700 W	450 W	1600 W
Sensitivity (1W/1m)	102.0 dB	98.0 dB	98 dB	98 dB	102 dB	100.5 dB	95 dB
Frequency Range	60 - 3000 Hz	50 - 3500 Hz	46 - 4500 Hz	53 - 5000 Hz	80 - 5500 Hz	55 - 6000 Hz	60 - 2200 Hz
Xmax	± 3.5 mm	± 8.3 mm	± 6.5 mm	± 6.5 mm	± 3.5 mm	± 4 mm	± 7.75 mm
Vas	58 lt. (2.05 cu.ft)	46.0 lt. (1.62 cu.ft)	70 lt. (2.47cu.ft)	72 lt. (2.54cu.ft)	94.4 lt. (3.32 cu.ft)	105 lt. (3.71cu.ft)	16 lt. (0.63 cu.ft)
Fs / Qts	54 Hz / 0.19	54 Hz / 0.34	50 hz / 0.21	55 Hz / 0.28	46 Hz / 0.14	53 Hz / 0.28	65 Hz / 0.33
Net Weight	5.6 kg (12.35 lb)	5.1 kg (11.24 lb)	4 kg (8.83 lb)	4 kg (8.83 lb)	3.4 kg (7.51 lb)	2.8 kg (6.2 lb)	4.2 kg (9.83 lb)
Depth	116 mm (4.59 in)	150.0 mm (5.91 in)	140 mm (5.52 in)	140 mm (5.52 in)	124 mm (4.88 in)	127 mm (5.00 in)	177 mm (6.97 in)
Bl	24.4 Tm	19.2 Tm	21.2 Tm	17.6 Tm	24 Tm	13.9 Tm	19.2 Tm
Features	ISV	ISV - SDR	ISV - DDR	ISV	ISV	ISV - SDR	DG - SDR

	10NDA610	10NW750	10NMB420	10NW650	10NTLW2000	10NTLS2000	8NM610
							
Application	Mid	Woofer	Midbass	Woofer	Woofer	Woofer	Midrange
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	75 mm (3 in)	75 mm (3 in)	65 mm (2.5 in)	65 mm (2.5 in)	51 mm (2.5 in)	51 mm (2.5 in)	75 mm (3 in)
Program Power	600 w	900 W	500 W	600 W	700 W	700 W	600 W
Sensitivity (1W/1m)	103 dB	94 dB	99 dB	96 dB	98.5 dB	97.0 dB	104 dB
Frequency Range	100 - 6100 Hz	50 ÷ 5000 Hz	65 - 5000 Hz	60 - 6000 Hz	60 - 5000 Hz	50 - 3000 Hz	400 - 5000 Hz
Xmax	± 2.5 mm	± 7.5 mm	± 4 mm	± 7 mm	± 4.4 mm	± 7.4 mm	± 3.0 mm
Vas	18 lt. (0.64 cu.ft)	34 lt (1.19 cu.ft)	30 lt. (1.06 cu.ft.)	48 lt (1.70 cu.ft.)	31.0 lt. (1.09 cu.ft)	38.0 lt. (1.34 cu.ft)	1.6 lt. (0.1 cu.ft)
Fs / Qts	89 Hz / 0.23	53 Hz / 0.31	65 Hz / 0.33	51 Hz / 0.28	57 Hz / 0.22	50 Hz / 0.26	259 Hz / 0.23
Net Weight	3.5 kg (7.7 lb)	4 kg (8.82 lb)	3.4 kg (7.5 lb)	2.7 kg (5.95 lb)	1.9 kg (4.19 lb)	1.9 kg (4.19 lb)	3.9 kg (8.6 lb)
Depth	96 mm (3.78 in)	130 mm (5.12 in)	122 mm (4.8 in)	131.8 mm (5.19 in)	141.0 mm (5.55 in)	141.0 mm (5.55 in)	113 mm (4.4 in)
Bl	20.3 Tm	16.4 Tm	19.5 Tm	14 Tm	17.9 Tm	16.7 Tm	31 Tm
Features	AIC - ISV	ISV - SDR	ISV - SDR	IS	TTC	TTC	ISV

	8NW650	8NTLW2000	8NTLS2000	8NMB750	8NMB420	6NTLW2000	6ND430
							
Application	Woofer	Woofer	Woofer	Midbass	Midbass	Woofer	Woofer
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Diameter	65 mm (2.5 in)	Dual 51 mm (2 in)	Dual 51 mm (2 in)	75 mm (3 in)	51 mm (2 in)	51 mm (2.01 in)	45 mm (1.77 in)
Program Power	600 W	700 W	700 W	700 W	400 W	600 W	260 W
Sensitivity (1W/1m)	96 dB	97.5 dB	93.5 dB	96.50 dB	95 dB	93.0 dB	92.5 dB
Frequency Range	55 - 6300 Hz	70 - 4500 Hz	45 - 1200 Hz	80 - 6000 Hz	60 - 5500 Hz	75 - 8000 Hz	63 - 5500 Hz
Xmax	± 5.5 mm	± 4.4 mm	± 6 mm	± 6.10 mm	± 5.75 mm	± 5.9 mm	± 5.5 mm
Vas	17.8 lt. (0.63 cu.ft)	13.0 lt. (0.46 cu.ft)	27.5 lt. (0.95 cu.ft)	6.9 lt. (0.24 cu.ft)	33 lt. (1.2 cu.ft)	4.6 lt. (0.16 cu.ft)	12.6 lt. (0.4 cu.ft)
Fs / Qts	63 Hz / 0.25	71 Hz / 0.21	40 Hz / 0.19	88 Hz	61 Hz / 0.28	86 Hz / 0.35	61 Hz / 0.27
Net Weight	2.2 kg (4.85 lb)	1.5 kg (3.31 lb)	1.5 kg (3.31 lb)	4.2 kg (7.72 lb)	2.0 kg (4.4 lb)	1.2 kg (2.65 lb)	1.25 kg (2.76 lb)
Depth	111.3 mm (4.38 in)	121.0 mm (4.76 in)	121.0 mm (4.76 in)	105 mm (4.14 in)	99 mm (3.9 in)	108 mm (4.25 in)	73 mm (2.87 in)
Bl	15.2 Tm	17.5 Tm	17.2 Tm	18.7 Txm	10 Tm	11.6 Tm	10 Tm
Features	ISV	TTC	TTC - Rubber	ISV - SDR	ISV - SDR	TTC	–

	6NMB420	6ND410
		
Application	Midbass	Mid
Magnet Material	Neodymium	Neodymium
Voice Coil Diameter	45 mm (1.77 in)	45 mm (1.77 in)
Program Power	260 W	240 W
Sensitivity (1W/1m)	100 dB	102 dB
Frequency Range	200 - 7000 Hz	200 - 8000 Hz
Xmax	± 3 mm	± 2 mm
Vas	6.1 lt. (0.22 cu.ft)	6.2 lt. (0.22 cu.ft)
Fs / Qts	110 Hz / 0.33	120 Hz / 0.24
Net Weight	1.25 kg (2.75 lb)	1.25 kg (2.75 lb)
Depth	73 mm (2.87 in)	60 mm (2.3 in)
Bl	9 Tm	11.6 Tm
Features	SDR	ISV

LF TRANSDUCERS - FERRITE

	21LW2600	21LW1400	18TLW3000	18LW2600	18LW2420	18LW2400	18LW1400
							
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	3000 W	2600 W	2400 W	1400 W
Sensitivity (1W/1m)	97 dB	99 dB	95 dB	96.8 dB	97 dB	98 dB	98 dB
Frequency Range	35-1400Hz	24 - 2000 Hz	30 - 2000 Hz	35 - 800 Hz	35 - 2500 Hz	31 - 2500 Hz	28 - 2500 Hz
Xmax	± 14.6 mm	± 9.5 mm	± 12 mm	± 14.8 mm	± 10 mm	± 9.5 mm	± 9 mm
Vas	333 lt. (11.76 cu.ft)	385 lt. (13.6 cu.ft)	185 lt. (6.53 cu.ft)	187 lt (6.6 cu.ft)	255 lt (9 cu.ft)	230 lt. (8.12 cu.ft)	297 lt. (10.49 cu.ft)
Fs / Qts	27 Hz / 0.33	28 Hz / 0.23	33 Hz / 0.41	31 Hz / 0.29	33 Hz / 0.31	35 Hz / 0.31	31 Hz / 0.29
Net Weight	17.1 kg (37.7 lb)	17 kg (37.47 lb)	13.2 kg (29.10 lb)	16.1 kg (35.49 lb)	14 kg (30.86 lb)	11.9 kg (26.18 lb)	13.3 kg (29.36 lb)
Depth	245 mm (9.65 in)	259 mm (10.2 in)	275 mm (10.83 in)	231 mm (9.09 in)	215 mm (8.46 in)	215 mm (8.46 in)	215 mm (8.46 in)
Bl	32.5 Tm	33.5 Tm	24.5 Tm	31.0 Tm	24.6 Tm	25.6 Tm	24.7 Tm
Features	ISV - SDR	ISV - DSS - DDR	TTC	ISV - SDR	ISV - DDR	ISV - DSS - DDR	ISV - DSS - DDR

	18LW1251	18W2001	15TLW3000	15LW2400	15LW1401	15MB1000	15W930
							
Application	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Subwoofer	Midbass	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)	100 mm (4 in)	75 mm (3 in)
Program Power	1400 W	2400 W	3000 W	2400 W	1400 W	1200 W	800 W
Sensitivity (1W/1m)	98 dB	99 dB	95.5 dB	97 dB	98 dB	98 dB	98 dB
Frequency Range	35 - 3500 Hz	37 - 3000 Hz	50 ÷ 2000 Hz	40 - 2200 Hz	40 - 2400 Hz	45 - 5100 Hz	50 - 3600 Hz
Xmax	± 9 mm	± 7 mm	± 9 mm	± 10 mm	± 9 mm	± 6 mm	± 7.5 mm
Vas	268 lt. (9.47 cu.ft)	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)
Fs / Qts	35 Hz / 0.27	37 Hz / 0.25	42 Hz / 0.44	40 Hz / 0.3	42 Hz / 0.27	48 Hz / 0.31	33 Hz / 0.22
Net Weight	13 kg (28.7 lb)	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)
Depth	207.9 mm (8.18 in)	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)
Bl	23.6 Tm	27.1 Tm	23.4 Tm	24 Tm	24.2 Tm	21 Tm	22.1 Tm
Features	ISV - DSS	ISV - DSS	TTC	ISV - DSS - DDR	ISV - DSS - DDR	ISV - DDR	ISV - SDR

	15W750	15W700	15MB700	15MB606	15W500	12LW1400	12MB1000
							
Application	Woofer	Woofer	Midbass	Midbass	Woofer	Subwoofer	Midbass
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Voice Coil Diameter	75 mm (3 in)	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)
Program Power	1200 W	700 W	600 W	600 W	500 W	1400 W	800 W
Sensitivity (1W/1m)	97 dB	99 dB	103 dB	101 dB	100.5 dB	96 dB	102 dB
Frequency Range	50 - 4300 Hz	38 - 5000 Hz	45 - 4300 Hz	45 - 4800 Hz	50 - 4500 Hz	51 - 4000 Hz	80 - 3500 Hz
Xmax	± 8 mm	± 6.5 mm	± 5.5 mm	± 4.5 mm	± 4 mm	± 8.25 mm	± 2.5 mm
Vas	218 lt. (7.70 cu.ft)	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)
Fs / Qts	39 Hz / 0.37	38 Hz / 0.3 8.5 kg	42 Hz / 0.29	43 Hz / 0.35	50 Hz / 0.52	45 Hz / 0.3 10.9 kg	54 Hz / 0.18
Net Weight	7.6 kg (16.7 lb)	(18.73 lb)	8.3 kg (18.3 lb)	6.7 kg (14.77 lb)	4.3 kg (9.4 lb)	(26.5 lb)	9.6 kg (21.19 lb)
Depth	184.5 mm (7.26 in)	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)
Bl	17.6 Tm	18.4 Tm	17.6 Tm	15.1 Tm	12.6 Tm	20 Tm	23.5 Tm
Features	ISV	ISV	ISV	ISV	ISV	ISV - DSS - DDR	ISV

	12W750	12W700	12MB700	12MB600	12MB650	12W500	10MB600
							
Application	Woofer	Woofer	Midbass	Midbass	Midbass	Woofer	Midbass
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Voice Coil Diameter	75 mm (3 in)	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)
Program Power	1200 W	700 W	600 W	600 W	800 W	500 W	700 W
Sensitivity (1W/1m)	97 dB	98 dB	101.5 dB	101 dB	98 dB	99.5 dB	98 dB
Frequency Range	50 - 4600 Hz	55 - 4200 Hz	60 - 5000 Hz	58 - 5000 Hz	45 - 5000 Hz	50 - 6000 Hz	55 - 4500 Hz
Xmax	± 8 mm	± 6.5 mm	± 4.5 mm	± 4.5 mm	± 5.5 mm	± 4 mm	± 6.5 mm
Vas	73 lt. (2.58 cu.ft)	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)
Fs / Qts	49 Hz / 0.28	58 Hz / 0.36	49 Hz / 0.19	44 Hz / 0.18	48 Hz / 0.23	46 Hz / 0.36	58 Hz / 0.22
Net Weight	7.5 kg (16.5 lb)	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)
Depth	148 mm (5.83 in)	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)
Bl	18 Tm	17.7 Tm	17.8 Tm	18 Tm	19 Tm	12.1 Tm	18.6 Tm
Features	ISV	ISV	ISV - DDR	ISV	ISV	ISV	ISV

FT LF TRANSDUCERS - FERRITE

	10M600	10W500	8MB500	8M400	6M44	5W430
						
Application	Mid	Woofer	Midbass	Mid	Woofer	Woofer
Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Voice Coil Diameter	75 mm (3 in)	51 mm (2 in)	51 mm (2 in)	51 mm (2 in)	44 mm (1.73 in)	25.4 mm (1 in)
Program Power	500 W	400 W	400 W	320 W	350 W	120 W
Sensitivity (1W/1m)	102 dB	98 dB	95 dB	100.5 dB	95 dB	89 dB
Frequency Range	80 - 5200 Hz	55 - 4500 Hz	60 - 4500 Hz	120 - 6100 Hz	140 - 7000 Hz	60 - 8000 Hz
Xmax	± 4 mm	± 5.5 mm	± 6 mm	± 3 mm	± 2.25 mm	± 6 mm
Vas	25.6 lt. (0.9 cu.ft)	45.2 lt. (1.60 cu.ft)	21.5 lt. (0.76 cu.ft)	16.2 lt. (0.57 cu.ft)	3.8 lt (0.13 cu.ft)	15 lt (0.53 cu.ft)
Fs / Qts	70 Hz / 0.23	53 Hz / 0.29	74 Hz / 0.43	90 Hz / 0.27	102 Hz / 0.29	52 Hz / 0.32
Net Weight	7.35 kg (16.23 lb)	4.7 kg (10.38 lb)	3.4 kg (7.5 lb)	4.5 kg (9.93 lb)	3.4 kg (7.5 lb)	1.2 kg (2.64 lb)
Depth	126 mm (4.95 in)	121.5 mm (4.78 in)	99.5 mm (3.92 in)	105.5 mm (4.15 in)	85 mm (3.35 in)	72 mm (2.83 in)
Bl	17.6 Tm	14.6 Tm	9 Tm	12.2 Tm	13.4 Tm	6.3 Tm
Features	ISV	ISV	ISV	ISV	SDR	–

ND HF COMPRESSION DRIVERS - NEODYMIUM

	ND4020TI2	ND4015BE	NSD4015N	ND4015TI2	ND3ST	ND3SN	ND3SA
							
Throat Diameter	51 mm (2 in)	39 mm (1.5 in)	39 mm (1.5 in)	39 mm (1.5 in)	36 mm (1.4in)	36 mm (1.4in)	36 mm (1.4in)
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Program Power	320 W	280W	320W	320 W	240 W	240 W	240 W
Sensitivity	113 dB	113 dB	111 dB	113 dB	112 dB	112 dB	112 dB
Voice Coil Diameter	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	75 mm (3 in)	75 mm	75 mm
Voice Coil Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Diaphragm Material	Titanium	Beryllium	Nitride coated Titanium	Titanium	Titanium	Nitride c. Titanium	Aluminium-pen
Frequency Range	600 Hz - 20kHz	900 Hz - 20 kHz	800 Hz - 20 kHz	800 Hz - 20 kHz	800 ÷ 20000 Hz	800 ÷ 20000 Hz	800 ÷ 20000 Hz
Recommended Xover Frequency	800 Hz	1200 Hz	1000 Hz	1000 Hz	1200 Hz	1200 Hz	1200 Hz
Net Weight	3.4 Kg (7.5 lb)	3.2 Kg (7.05 lb)	3.2 Kg (7 lb)	3.2 Kg (7 lb)	2.3 Kg (5.07 lb)	2.3 Kg (5.07 lb)	2.3 Kg (5.07 lb)
Overall Diameter	150 mm (5.91 in)	150 mm (6 in)	150 mm (6 in)	150 mm (6 in)	120 mm (4.7 in)	120 mm (4.72 in)	120 mm (4.72 in)
Features	EWAL - 3P	EWAL	EWAL - TPM	EWAL	EWAL - CCAW	EWAL – CCAW - TPM	EWAL – CCAW

	ND3BE	ND3N	ND3T	ND3A	ND32ST	ND2080	ND2080A
							
Throat Diameter	36 mm (1.4in)	36 mm (1.4in)	36 mm (1.4in)	36 mm (1.4in)	50 mm (2 in)	50 mm (2 in)	51 mm (2 in)
Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Program Power	180 W	220 W	220 W	220 W	220 W	200 W	160 W
Sensitivity	112 dB	112 dB	112 dB	112 dB	112 dB	110 dB	111 dB
Voice Coil Diameter	75 mm (3 in)	75 mm	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)	75 mm (3 in)
Voice Coil Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Diaphragm Material	Pure Beryllium	Nitride c. Titanium	Titanium	Aluminum	Titanium	Titanium	Aluminum-Pen
Frequency Range	800 ÷ 20000 Hz	800 ÷ 20000 Hz	800 ÷ 20000 Hz	800 ÷ 20000 Hz	800 ÷ 20000 Hz	500 Hz - 20 kHz	500 Hz - 20 kHz
Recommended Xover Frequency	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz	8 00 Hz
Net Weight	1.65 Kg (3.64 lb)	1.65 kg (3.64 lb)	1.65 kg (3.64 lb)	1.65 kg (3.64 lb)	2 kg (4.4 lb)	3.4 kg (7.49 lb)	3.4 kg (7.49 lb)
Overall Diameter	109 mm (4.29 in)	109 mm (4.29 in)	109 mm (4.29 in)	109 mm (4.29 in)	109 mm (4.29 in)	131 mm (5.1 in)	131 mm (5.1 in)
Features	EWAL - CCAW	EWAL - CCAW - TPM	EWAL - CCAW	EWAL - CCAW	EWAL - CCAW	EWAL	EWAL

	ND2060A	ND2060	NSD1480N	ND1480BE	ND1480A	ND1480	ND1460
							
Throat Diameter	50 mm (2 in)	50 mm (2 in)	36 mm (1.4in)	36 mm (1.4in)	36 mm (1.4in)	36 mm (1.4in)	35 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	200 W	200 W
Sensitivity	109 dB	109 dB	111 dB	112 dB	111 dB	110 dB	109 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)	75 mm (3 in)
Voice Coil Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Diaphragm Material	Aluminum	Titanium	Nitride coated Titanium	Beryllium-Polymer	Aluminum-Pen	Titanium	Titanium
Frequency Range Recommended	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz	500Hz - 20kHz
Xover Frequency	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz	800 Hz	800 Hz
Net Weight	3.2 kg (7.05 lb)	3.2 kg (7.05 lb)	3.1 Kg (6.98 lb)	3.1 Kg (6.98 lb)	3.1 Kg (6.98 lb)	3.08 Kg (6.79 lb)	2.9 Kg (6.39 lb)
Overall Diameter	132.5 mm (5.22 in)	132.5 mm (5.22 in)	131 mm (5.1 in)	131 mm (5.1 in)	131 mm (5.1 in)	131 mm (5.1 in)	132 mm (5.2 in)
Features	EWAL	EWAL	EWAL - TPM	EWAL	EWAL	EWAL	EWAL

	ND1460A	NSD1424BTN	ND1424BT	ND2T	ND1TP	NSD1095N	ND1090
							
Throat Diameter	36 mm (1.4in)	36 mm (1.4in)	36 mm (1.4in)	36 mm (1.4in)	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	160 W	140 W	140 W	160 W	100 W	100 W	100 W
Sensitivity	110 dB	110 dB	109 dB	110 dB	110 dB	110 dB	110 dB
Voice Coil Diameter	75 mm (3 in)	64 mm (2.4 in)	64 mm (2.4 in)	64 mm (2.4 in)	44 mm (1 3/4 in)	44,4 mm (1 3/4 in)	44.4 mm (1 3/4 in)
Voice Coil Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Diaphragm Material	Aluminum	Nitride coated Titanium	Titanium	Titanium	Titanium-Pen	Nitride coated Titanium	Titanium-Pen
Frequency Range Recommended	500 Hz - 20 kHz	800 Hz - 20 kHz	800Hz - 20 kHz	800Hz - 20kHz	1600 Hz - 20kHz	1600Hz - 20kHz	1600Hz - 20kHz
Xover Frequency	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1600 Hz	1600 Hz	1600 Hz
Net Weight	3.2 Kg (7.1 lb)	1.7 Kg (3.70 lb)	1.7 Kg (3.70 lb)	1.50 kg (3.30 lb)	0.9 kg (1.98 lb)	1.1 Kg (2.42 lb)	1.1 Kg (2.42 lb)
Overall Diameter	132.5 mm (5.22 in)	116.6 mm (4.59 in)	116.6 mm (4.59 in)	104 mm (4.1 in)	85 mm (3.35 in)	93 mm (3,7 in)	93 mm (3.7 in)
Features	EWAL	EWAL - TPM - 3P	EWAL - 3P	EWAL - 3P	EWAL - 3P	EWAL - TPM - 3P	EWAL - 3P

	ND1085	ND1070	ND1075	ND1018BT	ND1050	ND1030	ND1020
							
Throat Diameter	25.4 mm (1 in)	25.4 mm (1 in)	25 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	80 W	100 W	100 W	100 W	100 W	60 W	60 W
Sensitivity	110 dB	109 dB	108 dB	108 dB	110 dB	107 dB	108.5 dB
Voice Coil Diameter	44.4 mm (1 3/4 in)	44.4 mm (1 3/4 in)	44 mm (1.75 in)	44.4 mm (1 3/4 in)	44.4 mm (1 3/4 in)	34.4 mm (1 1/3 in)	34.4 mm (1 1/3 in)
Voice Coil Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Diaphragm Material	Pen	Titanium-Pen	Titanium	Titanium	Titanium-Pen	Titanium	Pen
Frequency Range Recommended	1600Hz - 20kHz	1600 Hz - 20kHz	1600Hz - 20kHz	1600Hz - 20kHz	1600Hz - 20kHz	1800Hz - 20kHz	1600Hz - 20kHz
Xover Frequency	1600 Hz	1600 Hz	1600 Hz	1600 Hz	1600 Hz	1800 Hz	1600 Hz
Net Weight	1.1 Kg (2.42 lb)	1.1 Kg (2.42 lb)	1.2 Kg (2.64 lb)	1 Kg (2.2 lb)	0.55 kg (1.21 lb)	0.7 kg (1.54 lb)	0.7 kg (1.54 lb)
Overall Diameter	92 mm (3.6 in)	98 mm (3.9 in)	98 mm (3.86 in)	98 mm (3.9 in)	75 mm (3 in)	85 mm (3.3 in)	85 mm (3.3 in)
Features	EWAL - 3P	EWAL - 3P	EWAL - 3P	EWAL - 3P	EWAL - 3P	EWAL - 3P	EWAL - 3P

FD HF COMPRESSION DRIVERS - FERRITE

	HD3020T	HD3000T	HD2080T	HD1480T	HD2020	HD2000	HD1050
							
Throat Diameter	50 mm (2 in)	36 mm (1.4in)	50 mm (2 in)	36 mm (1.4in)	50 mm (2 in)	36 mm (1.4in)	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	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
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 Xover Frequency	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1600 Hz
Net Weight	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)
Overall Diameter	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)
Features	EWAL - CCAW	EWAL - CCAW	EWAL	EWAL	EWAL - CCAW - 3P	EWAL - CCAW - 3P	EWAL - 3P

	HD1040	HD1030	HD125	XD125	XD110
					
Throat Diameter	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	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Program Power	80 W	60 W	50 W	50 W	40 W
Sensitivity	107 dB	106 dB	109 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)	25.4 mm (1 in)
Voice Coil Material	Aluminum	Aluminum	Aluminum	Aluminum	Copper
Diaphragm Material	Pen	Titanium	Pen	Pen	Cloth
Frequency Range	1600Hz - 20kHz	1800Hz -20kHz	2 kHz - 18 kHz	2 kHz - 18 kHz	2 kHz - 20 kHz
Recommended Xover Frequency	1600 Hz	1800 Hz	2500 Hz	2500 Hz	2500 Hz
Net Weight	1.6 Kg (3.52 lb)	1 kg (2.2 lb) 91 mm	0.8 Kg (1.77 lb)	1.1 kg (2.42 lb)	0.9 kg (1.98 lb)
Overall Diameter	110 mm (4.3 in)	(3.6 in)	87 mm (3.4 in)	200 mm (7.8 in)x 150 mm (5.9 in)	160 mm (6.3 in)x 120 mm (4.72 in)
Features	EWAL - 3P	EWAL - 3P	EWAL	EWAL	EWAL

AMT HF - AIR MOTION TRANSFORMERS

	AMT200P	AMT100H
		
Overall Size	200 x 105 mm (7.87 x 4.13 in)	80 x 100 mm (3.15 x 3.94 in)
Magnet Material	Neodymium	Neodymium
Program Power	180W at > 1.2KHz	50W at > 1.2KHz
Sensitivity	105 dB	93 dB
Winding Material	Aluminum	Aluminum
Diaphragm Material	Polyimide (Kapton)	Polyimide (Kapton)
Frequency Range	800 Hz - 18 kHz	800 Hz - 20 kHz
Recommended Xover Frequency	1200 Hz	1200 Hz
Net Weight	5.3 (11.7 lb)	0.835 Kg (1.84 lb)
Overall Dimension	200 x 105 mm (7.87 x 4.13 in)	200 x 105 mm (7.87 x 4.13 in)
Total Depth	81 mm (3.19 in)	81 mm (3.19 in)
Net Weight	3.4 Kg (7.49 lbs)	3.4 Kg (7.49 lbs)

	XMT200
	
Material	Die-cast Aluminum
Throat Entry	167 x 31 mm (6.57 x 1,22 in)
Coverage Angle (HxV)	90° x 60 °
Dimensions (HxWxD)	236 x 230 x153 mm (9.29 x 9.06 x 6.02 in)
Min Xover Freq.	600 Hz
Net Weight	1.3 kg (2.87 lb)
Technologies	CD

HORNS

	XR2064C	XR1496C	XR1464C	XR1064	XT1464	XT1086	XT120
							
Material	Composite	Composite	Composite	Aluminum	Polyurethane	Aluminum	Polyurethane
Throat Entry	50 mm (2in)	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)	270 x 270 x 200 mm	270 x 270 x 180 mm	270 x 270 x 180 mm	210 x 210 x 110 mm	304 x 38 x 257 mm	215 x 260 x 126 mm	150 x 200 x 103 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	111dB
Frequency Range	Above 800 Hz	Above 1200 Hz
Recomm. Crossover Frequency	1000 Hz	1400 Hz
Net Weight	1 Kg	0.4 Kg
Depth	215 mm	130 mm
Material	Die-cast Aluminum	Die-cast Aluminum

CROSSOVERS

	12NCX750-XO	15NCX750-XO	XVR15NCX91A	XVR12NCX91A	XVR08XCR00	2W-XO
						
Speaker Model	12NCX750	15NCX750	15NCX910	12NCX910	8CX650	2-way speaker Xover
Xover Frequency	2400 Hz	2200 Hz	2000 Hz	1700 Hz	2200 Hz	2200 Hz
HF Slope/Octave	12dB/oct	12dB/oct	12dB/oct	12dB/oct	6 dB/oct	12dB/oct
LF Slope/Octave	24dB/oct	24dB/oct	24dB/oct	18dB/oct	18 dB/oct	24dB/oct
Peak Power	1600W	1600W	1600W	1600W	1600W	1600W
HF Protection	Yes	Yes	Yes	Yes	Yes	Yes

COAXIALS

	15NCX1000	15NCX910BE	15NCX910N	15NCX910	15NCX750	15NCX750H	12NCX910BE
							
Dispersion angle	90°	80°	80°	80°	80°	70°H x 50°V	80°
LF/HF Contin. Program Power	1200W / 260W	900W / 220W	900W / 240W	900W / 240W	800W / 140W	800W / 140W	900W / 220W
LF/ HF Sensitivity	96 dB / 108 dB	101 dB / 109 dB	101 dB / 109 dB	101 dB / 109 dB	98 dB / 107 dB	97 dB / 109 dB	100 dB / 108 dB
Frequency Range (LF)	44 - 3600 Hz	50 - 2000 Hz	50 - 2000 Hz	50 - 2000 Hz	55 - 4500 Hz	55 - 4500 Hz	55 - 4000 Hz
Crossover Frequency	1200 Hz	1200 Hz	1200 Hz	1200 Hz	1400 Hz	1200 Hz	1400 Hz
LF/HF Voice Coil Diameter	100 mm / 100 mm	75 mm / 75 mm (3 in / 3 in)	75 mm / 75 mm (3 in / 3 in)	75 mm / 75 mm (3 in / 3 in)	75 mm / 60 mm	75 mm / 64 mm	75 mm / 75 mm
LF/HF Magnet Material	Neo / Neo	Neo / Neo	Neo / Neo	Neo / Neo	Neo / Neo	Neo / Neo	Neo / Neo
HF Diaphragm Material	Titanium	Pure Beryllium	Nitride coated Titanium	Titanium	Titanium	Titanium	Pure Beryllium
LF Xmax	± 7.5 mm	± 7 mm	± 7 mm	± 7 mm	± 5.5 mm	± 5.5 mm	± 7 mm
Vas	75 lt. (2.65 cu.ft)	107 lt. (3.78 cu.ft)	107 lt. (3.78 cu.ft)	107 lt. (3.78 cu.ft)	141 lt. (4.98 cu.ft)	141 lt. (4.98 cu.ft)	65 lt. (2.29 cu.ft)
LF Fs / Qts	53 Hz / 0.31	54 Hz / 0.33	55 Hz / 0.35	55 Hz / 0.35	49 Hz / 0.37	49 Hz / 0.37	56 Hz / 0.25
Net Weight	7 Kg	6.5 Kg (14.33 lbs)	6.5 Kg (14.33 lbs)	6.5 Kg (14.33 lbs)	4.9 Kg	5.3 Kg	6 Kg
Depth	197 mm (7.76 in)	205 mm (8.07 in)	205 mm (8.07 in)	205 mm (8.07 in)	185 mm (7.28 in)	185 mm (7.28 in)	173 mm (6.81 in)
Features	ISV - EWAL - CCAW	ISV - SDR - CCAW	ISV - SDR - CCAW - TPM	ISV - SDR - CCAW	ISV - SDR - EWAL	ISV - SDR - EWAL	ISV - SDR - CCAW

	12NCX910N	12NCX910	12NCX750	12NCX750H	10NCX750	10NCX750H	8CX650
							
Dispersion angle	80°	80°	80°	70°H x 50°V	80°	70°H x 50°V	90°
LF/HF Contin. Program Power	900W / 240W	900W / 240W	800W / 140W	800W / 140W	800W / 120W	700W / 140W	400W / 140W
LF/ HF Sensitivity	100 dB / 108 dB	100 dB / 108 dB	98 dB / 107 dB	95.3 dB / 110 dB	97.2 dB / 107.6 dB	95 dB / 107 dB	91 dB / 106 dB
Frequency Range (LF)	55 - 4000 Hz	55 - 4000 Hz	55 - 4500 Hz	60 - 4000 Hz	50 - 4500 Hz	60 - 1500 Hz	90 - 4700 Hz
Crossover Frequency	1400 Hz	1400 Hz	1400 Hz	1200 Hz	1300 Hz	1200 Hz	1600 Hz
LF/HF Voice Coil Diameter	75 mm / 75 mm	75 mm / 75 mm	75 mm / 60 mm	75 mm / 64 mm	75 mm / 60 mm	75 mm / 64 mm	65 mm / 44 mm
LF/HF Magnet Material	Neo / Neo	Neo / Neo	Neo / Neo	Neo / Neo	Neo / Neo	Neo / Neo	Ceramic
HF Diaphragm Material	Nitride coated Titanium	Titanium	Titanium	Titanium	Titanium	Titanium	Pen
LF Xmax	± 7 mm	± 7 mm	± 5.5 mm	± 5.5 mm	± 5.5 mm	± 5.5 mm	± 6 mm
Vas	65 lt. (2.29 cu.ft)	65 lt. (2.29 cu.ft)	63 lt. (2.23 cu.ft)	63 lt. (2.22 cu.ft)	28 lt. (0.98 cu.ft)	21.7 lt. (0.77 cu.ft)	16.6 lt. (0,59 cu.ft)
LF Fs / Qts	56 Hz / 0.25	56 Hz / 0.25	58 Hz / 0.29	58 Hz / 0.29	57 Hz / 0.18	65 Hz / 0.25	65 Hz / 0.35
Net Weight	6 Kg	6 Kg	4.5 Kg	4.7 Kg	4.3 kg (9.5 lb)	4.25 kg	5.6 Kg
Depth	173 mm (6.81 in)	173 mm (6.81 in)	148 mm (5.85 in)	148 mm (5.83 in)	169 mm (6.7 in)	148 mm (5.83 in)	132 mm (12,35 in)
Features	ISV - SDR - CCAW - TPM	ISV - SDR - CCAW	ISV - SDR - EWAL	ISV - SDR - EWAL	ISV - SDR - EWAL	ISV - SDR - EWAL	Single Motor - EWAL

	8CX401F
	
Dispersion angle	90°
LF/HF Contin. Program Power	280W / 50W
LF/ HF Sensitivity	95 dB / 105 dB
Frequency Range (LF)	65 - 6100 Hz
Crossover Frequency	3000 Hz
LF/HF Voice Coil Diameter	51 mm / 25.4 mm
LF/HF Magnet Material	Ferrite / Ferrite
HF Diaphragm Material	Pen
LF Xmax	± 5.8 mm
Vas	23,9 lt. (0,85 cu.ft)
LF Fs / Qts	56 Hz / 0.34
Net Weight	4.4 Kg
Depth	150,5 mm (5,93 in)
Features	ISV - EWAL

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 Bl 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 inter-modulation 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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