

Classic

classic



The all new Classic range comprises ten cone drivers designed to fulfil a broad range of sound reinforcement requirements. Midrange, full range, bass mid and dedicated bass applications are comprehensively covered. The range includes drivers from 8 to 15 inches with power handling ranging from 75 up to 300 watts continuous (A.E.S.) The drivers are based around tough powder coated steel baskets with the exception of the Classic 8-75 which features a die cast chassis.

ELECTROMECHANICAL SPECIFICATIONS

	8-60	8-75	10-100	10-200	12-100	12-100TC	12-200	12-300	15-150	15-200	15-300
Nominal chassis diameter (in/mm)	8"/200	8"/200	10"250	10"250	12"/305	12"/305	12"/305	12"/305	15"/381	15"/381	15"/381
Impedance (ohms)	4, 8, 16	4, 8, 16	4, 8, 16	4, 8, 16	4, 8, 16	4, 8, 16	4, 8, 16	4, 8, 16	4, 8, 16	4, 8, 16	4, 8, 16
Continuous Power Handling (A.E.S)	60W	75W	100W	200W	100W	100W	200W	300W	150W	200W	300W
Frequency range (Hz-kHz) -6dB	60 - 5	850 - 6.2	55 - 4.5	51 - 6.2	60 - 6.2	60 - 15	50 - 5.5	43 - 5	50 - 4.8	44 - 4	40 - 4
Average Sensitivity (dB 1W/1m)	94dB	98dB	96	96	97	97	97	98	98	99	99
Resonance (Hz)	80	90	70	61	67	56	54	55	45	40	40
Voice coil diameter (mm/inch)	38.1/1.5	38.1/1.5	50.8/2.0	63.7/2.5	50.8/2.0	50.8/2.0	63.7/2.5	63.7/2.5	50.8/2.0	63.7/2.5	63.7/2.5
Coil winding height (mm/inch)	9/0.354	10/0.38	11/0.43	12/0.47	11/0.43	11/0.43	12/0.47	12/0.47	11/0.43	14/0.55	14/0.55
Moving mass inc. air load (grams)	16	15.4	30.8	40	40.5	43.9	55	55	71	83	88
Magnet diameter (mm/inch)	140/5.5	135/5.3	135/5.3	157/6.2	135/5.3	135/5.3	157/6.2	180/7.0	135/5.3	157/6.2	180/7.0
Magnet weight (oz/kg)	44/1.24	38/1.1	38/1.1	50/1.4	38/1.1	38/1.1	50/1.4	78/2.2	38/1.1	50/1.4	78/2.2
Flux density (Tesla)	1.35	1.33	1.06	1.25	1.06	1.05	1.25	1.27	1.06	1.25	1.15
Magnetic gap depth (mm/inch)	6/0.24	6/0.24	6/0.24	6/0.24	6/0.24	6/0.24	6/0.24	8/0.31	6/0.24	6/0.24	10/0.39

MOUNTING INFORMATION

	8-60	8-75	10-100	10-200	12-100	12-100TC	12-200	12-300	15-150	15-200	15-300
Overall diameter (mm/inch)	210/8.26	226/8.9	260/10.23	260/10.23	319/12.56	319/12.56	319/12.56	319/12.56	392/15.43	392/15.43	392/15.43
Width across Flats	-	209.5/8.25	-	-	-	-	-	-	-	-	-
Flange Thickness (mm/inch)	10/.393	7/0.28	7.6/0.3	7.6/0.3	7.6/0.3	7.6/0.3	7.6/0.3	7.6/0.3	8.6/0.34	8.6/0.34	8.6/0.34
Baffle hole, front mount (mm/inch)	186/7.33	186/7.33	230/9.06	230/9.06	283/11.13	283/11.13	283/11.13	283/11.13	350/13.75	350/13.75	350/13.75
Baffle hole, rear mount (mm/inch)	184/7.24	-	229/9.0	229/9.0	280/11.0	280/11.0	280/11.0	280/11.0	350/13.75	350/13.75	350/13.75
Fixing holes and diameter (mm)	8 x 5.5	4 x 5.5	4 x 7.1	4 x 7.1	8 x 7.1	8 x 7.1	8 x 7.1	8 x 7.1	8 x 7.1	8 x 7.1	8 x 7.1
Fixing hole PCD (mm)	198	213.5	247	247	298	298	298	298	373	373	373
Fixing holes and diameter (inch)	8 x 0.22	4 x 0.218	4 x 0.281	4 x 0.281	8 x 0.281	8 x 0.281	8 x 0.281	8 x 0.281	8 x 0.281	8 x 0.281	8 x 0.281
Fixing hole PCD (inch)	7.79	8.41	9.75	9.75	11.75	11.75	11.75	11.75	14.69	14.69	14.69
Recommended enclosure volume (l)	7 - 20	5 - 15	10 - 35	10 - 35	20 - 50	20 - 50	20 - 50	20 - 80	50 - 100	50 - 100	50 - 125
Depth (mm/inch)	93/3.66	92/3.62	106/4.17	109/4.29	128/5.04	128/5.04	130/5.12	137/5.39	156/6.14	158/6.22	161/6.34
Weight (kg/lb)	2.9/6.38	3.2/7.0	3.25/7.1	4.25/9.3	3.6/7.9	3.6/7.9	4.6/10.1	4.4/9.7	5.5/12.1	5.5/12.1	7.9/17.4
Shipping weight (kg/lb)	3.3/7.26	3.4/7.5	3.95/8.7	4.95/10.9	4.6/10.1	4.6/10.1	5.6/12.3	8.0/17.6	5.6/12.3	6.7/14.7	9.1/20
Packing Carton Dimensions (mm)	165 x 235 x 235	165 x 235 x 235	195 x 288 x 288	195 x 288 x 288	222 x 340 x 340	222 x 340 x 340	222 x 340 x 340	222 x 340 x 340	250 x 415 x 415	250 x 415 x 415	250 x 415 x 415

THEILE-SMALL PARAMETERS

	8-60	8-75	10-100	10-200	12-100	12-100TC	12-200	12-300	15-150	15-200	15-300
Resonant frequency fs (Hz)	80	92	70	61	67	56	54	55	45	40	40
D.C resistance Re (ohms)	5.50	6.00	6.25	5.45	6.25	6.30	5.45	5.45	6.25	5.45	5.60
Qms	15.62	4.45	5.08	3.95	4.86	6.02	4.91	4.21	5.73	4.54	4.59
Qes	0.690	0.413	0.596	0.467	0.697	0.883	0.587	0.335	0.850	0.560	0.418
Qts	0.661	0.378	0.533	0.418	0.610	0.779	0.524	0.310	0.740	0.499	0.383
Mms (grams)	15.84	15.40	30.80	40.00	40.51	43.89	55.00	55.00	71.31	83.00	88.00
Cms (microns per Newton)	250	193	165	171	139	166	157	152	173	196	175
BL product (Tesla metres)	7.97	11.81	12.22	13.37	12.58	10.51	12.96	17.80	12.55	14.05	17.45
Vas (litres)	18.01	11.18	26.60	27.56	52.36	56.08	57.40	55.60	158.00	180.00	160.00
Reference efficiency ho (%)	1.29	2.07	1.52	1.29	2.19	1.26	1.48	2.67	1.68	1.91	2.48
Piston area Sd (m2)	0.023	0.020	0.034	0.034	0.052	0.049	0.051	0.051	0.081	0.081	0.081
Xmax (mm)	1.8	2.0	2.5	3.0	2.5	2.5	3.0	2.0	2.5	3.0	2.0
Recommended use	Mid & Bass-Mid	Mid & Bass-Mid	Bass-Mid	Bass-Mid & Bass guitar	Bass-Mid	Full range	Bass-Mid	Bass-Mid & Bass	Bass-Mid	Bass-Mid	Bass-Mid & Bass