

General	▶ TL-1101h	▶ TL-1102	▶ TL-1601a	▶ TL-1601b	▶ TL-1602	▶ TL-1801
Short Description	500W Loudspeaker	Low-Frequency Loudspeaker	Low-Frequency Loudspeaker	Low-Frequency Loudspeaker	Low-Frequency Loudspeaker	Low-Frequency Loudspeaker
image						
Nominal Impedance	16 Ohm	8 Ohm	8 Ohm	8 Ohm	8 Ohm	8 Ohm
Lowest Resonance Frequency (Fo)	38 Hz	31 Hz	28 Hz	28 Hz	21 Hz	26 Hz
Frequency Range	38-3000 Hz	31-3000 Hz	28-2000 Hz	28-2000 Hz	21-2000 Hz	26-2600 Hz
Rated Input Power	125 Watt	125 Watt	150 Watt	200 Watt	150 Watt	200 Watt
Maximum Input Power	500 Watt	500 Watt	300 Watt	500 Watt	300 Watt	800 Watt
Sound Pressure Level	97 dB/W (1m)	94 dB/W (1m)	97 dB/W (1m)	97.5 dB/W (1m)	97 dB/W (1m)	96,5 dB/W (1m)
Total Magnetic Flux	185.000 Mx	148.000 Mx	260.000 Mx	277.000 Mx	260.000 Mx	282.200 Mx
Magnetic Flux Density	11.100 G	12.800 G	11.800 G	12.400 G	11.800 G	11.200 G
Highest Recommended Crossover	1.800 Hz	1.800 Hz	1.200 Hz	1.200 Hz	1.200 Hz	800 Hz
Recommended Enclosure	17 - 62 liter	170 - 500 liter	113 - 307 liter	113 - 304 liter	57 - 519 liter	170 - 500 liter
Effective Piston Diameter	216,0 mm	216,0 mm	335,0 mm	335,0 mm	335,0 mm	394,0 mm
Baffle Opening	237,0 mm	237,0 mm	352,0 mm	352,0 mm	352,0 mm	426,0 mm
Mounting Dimensions	255,0 mm	255,0 mm	370,0 mm	370,0 mm	370,0 mm	441,0 mm
Weight	6,2 kg	6,3 kg	11 kg	11 kg	11 kg	12,6 kg
Dimensions (diameter x depth)	276 x 119 mm	276 x 140 mm	400 x 167 mm	400 x 167 mm	400 x 167 mm	464 x 176 mm
Theile-Small Parameters	▶ TL-1101h	▶ TL-1102	▶ TL-1601a	▶ TL-1601b	▶ TL-1602	▶ TL-1801
sd - Piston Area	0,0366 Sq M	0,0366 Sq M	0,0881 Sq M	0,0881 Sq M	0,0881 Sq M	0,122 Sq M
Revc - DV Voice Coil Resistance	13 Ohm	7 Ohm	7 Ohm	7 Ohm	6 Ohm	7 Ohm
Levc - Voice Coil Inductance 1kHz (mH)	2,0	1,1	1,6	1,7	0.9	2,0
BL - Flux Density (TM)	20,5	13,5	19,5	20,5	21,0	21,0
Vas - Equivalent Acoustic Volume (Liter)	92 liter	121 liter	307 liter	304 liter	519 liter	500 liter
Cms - Mechanical Suspension Compliance (x 10-4 m/N)4832		6382	2785	2761	4708	2372

Mms - Mechanical Mass of Cone and Free Air Load	36 g	41 g	116 g	117 g	122 g	158 g
Mmd	29 g	34 g	85 g	86 g	92 g	114 g
Fs - Free Air Resonance Frequency	38 Hz	31 Hz	28 Hz	28 Hz	21 Hz	26 Hz
Qms - Mechanical Q Factor	3,86	4,35	6,8	6,8	2,78	7,94
Qes - Electrical Q Factor	0,27	0,32	0,36	0,32	0,23	0,39
Qts - Total Q factor	0,25	0,30	0,34	0,31	0,21	0,37
Xmax - Max Linear Peak Excursion (O-P)	2,5 mm	6,2 mm	8,0 mm	8,0 mm	5,5 mm	7,5 mm
Pmax - RMS Thermal power Limit	500 Watt	500 Watt	300 Watt	500 Watt	300 Watt	800 Watt
no - Relative Efficiency	1,82 %	1,10 %	1,82 %	2,00%	2,06 %	2,20 %
Vd (cm ²)	91,6	227	705	705	485	914
Max. Excursion Before Damage (P-P)	32,0 mm	32,0 mm	36,0 mm	36,0 mm	36,0 mm	40,0 mm