

CONE TRANSDUCER (WOOFER)



Powerful, Dynamic Bass Performance. A Hallmark of Laboratory Series Bass Transducers.

The cones are manufactured with rigid low-mass materials to reduce cone break up and extend operating life. The magnet structures are designed with symmetrical magnetic fields to reduce mid and low frequency distortion. Voice coils are edge wound with flat ribbon wire on glass-fiber reinforced polyimide formers to allow very high

temperature operation. The L363, L569 and L869 utilize a massive heat sink for large power capacity and double spiders for durability and long life. The L469 and L479 utilize an inner/outer double spider suspension system for high power handling. Horn loaded or bass reflex enclosures are best suited for these transducers and the enclosure choice should be based upon the final application, optimizing efficiency or bandwidth as needed.

Model	Effective Radius (cm)	Resonance Frequency f_0 (Hz)	Moving Mass m_0 (g)	Q_0
L345	13	34	44.5	0.24
L355	13	40	63	0.3
L362	13.05	35	55	0.21
L363	13.05	55	60	0.33
L467	16.85	40	73	0.34
L469	16.85	30	123	0.27
L470	16.85	25	100	0.21
L475	16.85	25	100	0.2
L476	16.85	25	100	0.21
L479	16.85	30	123	0.27
L569	20.15	30	117	0.28
L869	35.75	15	385	0.45

Model	Diameter (cm)	Impedance (Ω)	Resonance Frequency (Hz)	Frequency range (Hz)	Sensitivity (dB/W(1m))	Power handling (W)	Recommended crossover frequency (Hz)	Voice coil Dia. (mm)	Voice coil Material	Magnet Weight (g)	Magnet Type	NET Weight (kg)
L345	30	8	34	fo-5k	97	100	2k or under	80	Aluminum	1,821	Ferrite	6.7
L355	30	8	40	fo-4k	98	100	2k or under	80	Aluminum	1,090	ALNICO	5.7
L362	30	8	35	fo-5k	98	300	2k or under	100	Aluminum	2,010	Ferrite	9.8
L363	30	8/16	55	fo-5k	98	400	2k or under	100	Aluminum	2,010	Ferrite	11.5
L467	40	8/16	40	fo-3.5k	100	300	1.5k or under	100	Aluminum	2,010	Ferrite	9.4
L469	40	8/16	30	fo-2k	97	400	1.5k or under	100	Copper	2,010	Ferrite	9.4
L470	40	8	25	fo-3.5k	99	150	1.5k or under	100	Aluminum	2,010	Ferrite	9.4
L475	40	8	25	fo-3.5k	100	150	1.5k or under	100	Aluminum	1,510	ALNICO	8.6
L479	40	8/16	40	fo-2k	97	400	1.5k or under	100	Copper	1,510	ALNICO	8.6
L569	46	8/16	30	fo-2k	99	500	1k or under	100	Copper	2,010	Ferrite	12.2
L869	80	8	15	fo-2k	100	300	200 or under	100	Copper	2,010	Ferrite	28