



ESSENCE BOOKSHELF Loudspeaker Specifications

JANUARY 2011

Design	Essence is a high efficiency, high output, direct radiating bookshelf loudspeaker. It features a full-range Zu designed and built driver with no crossover or filters on full-range driver, complimented by a high output transformer coupled ribbon tweeter to provide the sparkle and resolution from 10 kHz and up.
Version	mark-1
Launched	January 2011
H W D	18" x 11" x 11" (46 x 28 x 28 cm)
Footprint	11" x 11" (28 x 28 cm)
Weight	33 pounds (15 kg)
Packaged	two per container
Driver Complement	Zu260FRD/G4/ESSENCE, 10-1/3" full-range driver covering 48 – 10,000 Hz TB-1855S-B ribbon tweeter with final foil adjustment and assembly by Zu
Component Tolerance	driver >1% pair matching, 0.1% on all other electrical components.
Recommended Connector	1/4" or 5/16" spade (6.3 or 8.0 mm fork)
Accepted Connectors	also accepts standard and oversized ring lugs, bare wire, pins, & banana plugs in a pinch (banana plugs are clamped between clamp block and copper lugs and are not socketed)
Efficiency	97 dB @ 1 watt, 1 meter
Impedance	12 ohm, nominal full bandwidth
Average Room / Moderate Volume	4 – 10 watt
Large Room / Loud	10 – 30 watt
Large Room / Concert Level	30 – 100 watt
Max Music Input Power	200 watt
Max sustained RMS Power	200 watt
Bandwidth	48 – 40,000+ Hz
Group Delay	< 5 ms
Dynamic Range	118 dB
Horizontal Listening Window	45°
Vertical Listening Window	40°
Full-range Driver Network	none
Super-tweeter Network	high-pass second order Bessel based, 10 kHz acoustic
Internal Cabling	Zu Mission Ls cable, pure copper, approximate conductor area is 13 AWG per charge
Cabinet	MDF / Baltic birch
Spike / Feet Insert Thread	none
Included With Loudspeaker	owners manual, polish cloth, and copper lug cleaning kit
Manufacturers Country Of Origin	U.S.A. all parts and labor excluding the TB ribbon tweeter which is a product of Taiwan
Life Expectancy	lifetime on cabinet, 40 years plus on Zu260FRD/G4/ESSENCE, 15 years on ribbon foil (serviceable)
Warranty & Service	5 years limited, does not cover misuse or abuse, Essence is designed to be field serviceable