



FORMULA SERIES



THE RSL FORMULA SERIES

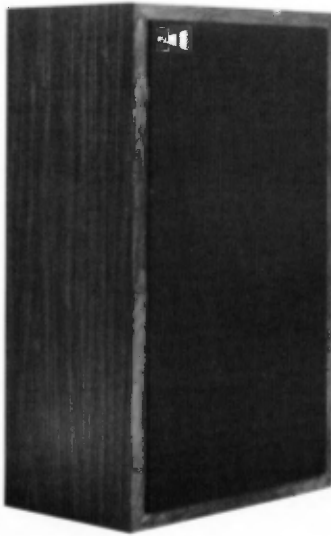
RSL Speaker Systems has been manufacturing high quality speakers for over 10 years. Our high standards for accuracy and reliability have made RSL speakers a favorite throughout the professional music industry. 4 years ago, we introduced the Performance Series, now known as the Formula Series. These speaker systems have been engineered to provide maximum performance while eliminating all unnecessary frills to make them very affordable.

Most speaker manufacturers underestimate the consumer's ability to recognize accurate sound reproduction. By exaggerating certain parts of the sound, they hope to appeal to the uneducated listener. However, these inaccuracies can cause listening fatigue. Many inexpensive speakers also sacrifice efficiency in trade for a gain in bass response, requiring the need for a more powerful (and more expensive) receiver or amplifier. Unfortunately, this often subjects the speaker to more power than it was designed to handle. RSL Formula Series speakers are high efficiency designs for use with receivers or amplifiers up to 60 watts RMS per channel. They have a wide frequency response, fast transient response, low distortion, coherent imaging, and natural sound balance for hours of continuous listening without fatigue.

THE RSL ENCLOSURES

The enclosures for the RSL Formula Series speakers feature full 3/4-inch thick particle board panels solidly interlocked and thoroughly glued to assure years of rattle-free performance. These panels are laminated with a scratch resistant layer of vinyl with a rich walnut grain pattern. All internal cabinet surfaces are lined with 2-inch thick fiberglass damping material to eliminate internal vibrations and standing waves. All drivers are mounted with expanded foam gaskets to prevent air leaks.

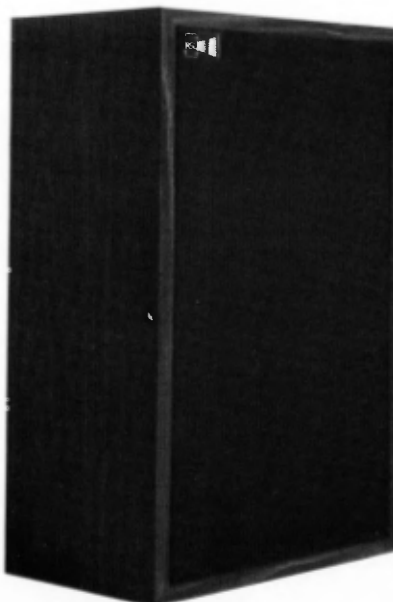
RSL FORMULA 30



THE RSL FORMULA 30

This is the least expensive speaker to carry the RSL name. It features the same quality construction as all RSL Formula Series speakers. A unique 8-inch woofer/midrange reproduces the mid and bass frequencies with surprising range and accuracy. A 10-inch passive radiator augments bass output for extended frequency response. We've selected a special phenolic ring tweeter with a large magnet to reproduce the high frequencies. The Formula 30 also features a removable grille and easy to connect push terminals.

RSL FORMULA 25



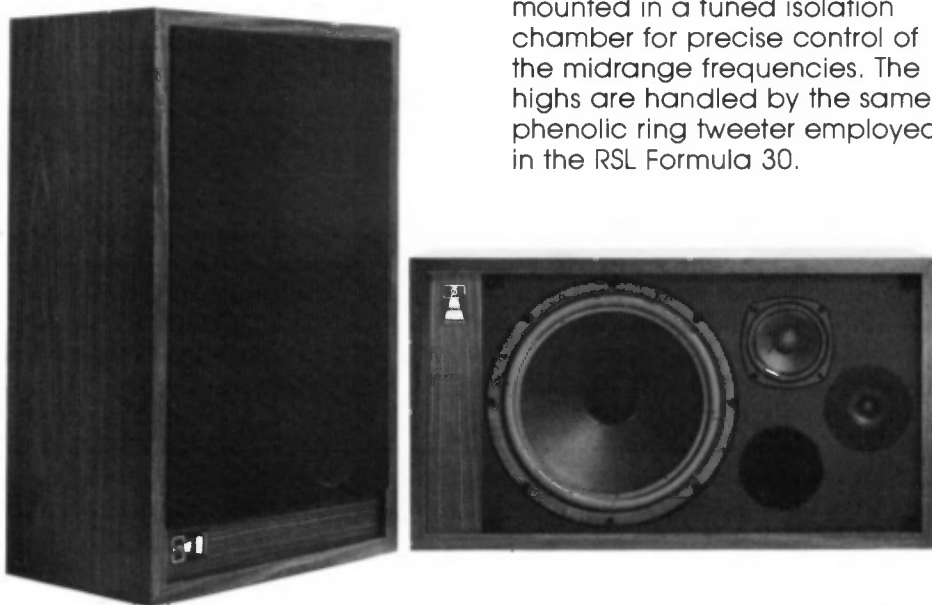
THE RSL FORMULA 25

This speaker system features the same wide response 8-inch woofer/midrange used in the Formula 30. However, in the Formula 25, a considerably larger cabinet is used in conjunction with a 12-inch passive radiator to even further extend low frequency response. The upper frequency range is also extended with the use of an exceptionally efficient flat-cone tweeter. The Formula 25 provides musical accuracy with quality construction unheard of in speakers in this price range.

RSL FORMULA 20

THE RSL FORMULA 20

This is the most economical 3-way system made by RSL. The 12-inch woofer is housed in a critically tuned bass reflex enclosure. It features a 3 pound magnet structure and foam roll surround for high excursions and deep bass. A 5-inch large magnet cone midrange is mounted in a tuned isolation chamber for precise control of the midrange frequencies. The highs are handled by the same phenolic ring tweeter employed in the RSL Formula 30.



THE RSL DRIVERS

Much of the lifelike sound performance of the RSL Formula Series is directly attributable to the quality level of our drivers (woofers, midranges, and tweeters). All RSL drivers are built to precision tolerances with large magnet structures, high temperature voice coils, and expensive cone materials. All RSL Formula Series woofers are manufactured in the U.S.A. using the highest quality magnets and magnetic steel circuits.

THE RSL CROSSOVERS

The crossover, an area that many manufacturers neglect, has a large effect on the sound of a speaker system. An improperly designed crossover can cause both distortion and speaker damage. Our high quality crossovers are relatively simple in design, resulting in much lower distortion. This was made possible by the natural roll-off characteristics we engineered into the drivers.

RSL FORMULA 40

THE RSL FORMULA 40

The RSL Formula 40 is the best bookshelf speaker system in the RSL Formula Series. It utilizes the same woofer, midrange, and cabinet configuration used in the RSL Formula 20. But here we've added our best flat-cone tweeter from the RSL Formula 25 to increase the upper frequency response as well as project better imaging and sharper definition of the highs. The crossover for the RSL Formula 40 was derived from our famous RSL Studio Monitors. It features continuously variable level controls to individually tailor the output of the midrange and tweeter. This allows the user to compensate for most deficiencies in room acoustics and accommodate personal preferences. The entire system is also fused to help prevent damage from accidental misuse. The RSL Formula 40 is available in walnut vinyl finish or in a furniture quality, genuine walnut veneered cabinet.



RSL FORMULA 60



THE RSL FORMULA 60

This giant column speaker system is the latest addition to the RSL Formula Series. It is the largest speaker with the best performance we've ever offered at such an affordable price. With the aid of a large enclosure, the RSL Formula 60 can reproduce low bass tones that bookshelf speakers cannot.

This tower configuration, while requiring only about a square foot of floor space, provides a very large cabinet volume. The RSL Formula 60 uses the same components as those in the RSL Formula 40. In addition, a 12-inch passive radiator teams up with the 12-inch woofer to increase bass output and extend low frequency response.

The carefully engineered crossover features controls for adjustment of the midrange and tweeter, fuse protection for the entire system, and easy to connect push terminals.

SPECIFICATIONS	FORMULA 30	FORMULA 25	FORMULA 20	FORMULA 40	FORMULA 60
WOOFER					
Diameter	8 in (20 cm)	8 in (20 cm)	12 in (30 cm)	12 in (30 cm)	12 in (30 cm)
Magnet Structure	1.75 lb (800 g)	1.75 lb (800 g)	3 lb (1.4 kg)	3 lb (1.4 kg)	3 lb (1.4 kg)
Voice Coil Diameter	1 in (2.5 cm)	1 in (2.5 cm)	1.5 in (3.8 cm)	1.5 in (3.8 cm)	1.5 in (3.8 cm)
Passive Radiator Diameter	10 in (25 cm)	12 in (30 cm)			12 in (30 cm)
MIDRANGE					
Diameter			5 in (12.7 cm)	5 in (12.7 cm)	5 in (12.7 cm)
Magnet Structure			1.5 lbs (680 g)	1.5 lbs (680 g)	1.5 lbs (680 g)
TWEETER					
Diameter	2.75 in (7 cm)	2.5 in (6.4 cm)	2.75 in (7 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)
ENCLOSURE					
Type	Passive Radiator	Passive Radiator	Bass Reflex	Bass Reflex	Passive Radiator
ELECTRONIC NETWORK					
Crossover Frequencies	1500 Hz	1500 Hz	1000 and 6000 Hz	1000 and 4000 Hz	1000 and 4000 Hz
Crossover Slopes	6 dB/Octave	6 dB/Octave	6 dB/Octave	6 dB/Octave	6 dB/Octave
SYSTEM CHARACTERISTICS					
Frequency Response	50 Hz to 19 KHz	45 Hz to 20 KHz	40 Hz to 19 KHz	40 Hz to 20 KHz	32 Hz to 20 KHz
Efficiency*	83 dB	87 dB	88 dB	88 dB	88 dB
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
System Resonance	85Hz	70Hz	82Hz	82Hz	20 Hz
POWER CAPACITY					
Recommended Minimum	8 Watts RMS	8 Watts RMS	8 Watts RMS	10 Watts RMS	10 Watts RMS
Maximum Power**	40 Watts RMS	40 Watts RMS	60 Watts RMS	60 Watts RMS	60 Watts RMS
DIMENSIONS					
Height	23 in (58.4 cm)	25.5 in (64.8 cm)	25.5 in (64.8 cm)	25.5 in (64.8 cm)	38 in (96.5 cm)
Width	12 in (30.5 cm)	14.25 in (36.2 cm)	14.25 in (36.2 cm)	14.25 in (36.2 cm)	15 in (38.1 cm)
Depth	9 in (22.9 cm)	11 in (27.9 cm)	11 in (27.9 cm)	11 in (27.9 cm)	11 in (27.9 cm)
Shipping Weight	33 lbs (15 kg)	43 lbs (19.5 kg)	45 lbs (20 kg)	45 lbs (20 kg)	58 lbs (26 kg)
LIMITED WARRANTY***					
Parts and Labor	Five Years	Five Years	Five Years	Five Years	Five Years

* Measured with 1 Watt input at 1kHz at 1 Meter

** Higher powered amplifiers may be used if the speakers are not operated at maximum amplifier power for extended periods of time.

*** Read the complete terms in our stores or on the back of the speaker. We also have a 7 day satisfaction or your money back guarantee.



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