

HALE MANUFACTURING COMPANY
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PRODUCT SPECIFICATION

Item description: 1100 New Yorker Series Bookcase -- Birch, Walnut, or Oak

General Construction:

All wood used in the construction of parts and shelving will be kiln-dried hardwood containing moisture content of 5% - 7% at the time of fabrication. All woods will be selected for uniformity of grain and color. Wood used for internal parts will be selected to be structurally sound.

Ends are secured to the top by "lock-joint" tenon and plough mitered and securely glued. In addition, heavy gauge 1 x 1 x 3/4" angle brackets are recessed into top and ends on the inside of the case 1" in from the front. Ends are secured to a 4" high bottom-base front by glued in tenon and plough with the bottom shelf toe-nailed to the ends from the bottom inside, plus glue blocks for superior strength. Backs are flush mounted to rabbeted top, ends and bottom by 3/4" coated staples. Four 3/4" high nylon glides are used on the bottom outside corners to prevent bottom edges from damage. Shelves are full 3/4" thick glued-up of hardwoods in random widths of not less than 1" and not greater than 4" with the front 2" of solid Oak, Walnut, or Birch beveled to 17 degrees.

Wood Finishes:

In the manufacturing process, hardwood parts are glued, cut to size, machine and finish sanded on a 2-head wide belt-finishing sander. Hardwood veneer end panels are finish sanded on a Heesman automatic veneer panel sander. Finish sanding of veneer panels and hardwood parts include the use of 100, 120, and 150 grit-sanding belts.

After parts are assembled into a freestanding unit, final hand sanding and inspection prepared the unit for the first finishing step. The selected color finish is hand applied and cloth wiped to provide a uniform color.

One coat of sealer is applied with an airless sprayer and allowed to cure. After curing, the sealer is sanded with 220 grit sandpaper to provide a uniform smooth surface.

A final lacquer topcoat is applied with an airless sprayer and cured in a heated drying room. The topcoat dries smooth to approximately a 30-sheen finish, which is resistant to normal wear and scratching.

UNIT DESCRIPTION:

A modern design with no overhanging edges for neat end-to-end or back-to-back groupings. Flush, glue blocked closed base offers the most complete footing for self-supporting cases. Traditional top and base trim kits are available. Shelving is supported by four push-in die cast metal shelf supports as standard, or optionally, four screw-in semi permanent shelf supports at no charge or K-V strips at a small up-charge. The holes for die cast supports are spaced vertically one inch apart along the inside height of the sides. Bookcases over 48" in height have one shelf fixed with semi permanent shelf supports at the factory which can be relocated by removing four wood screws from the shelf bottom. The front edges of the cases are beveled 17 degrees with mitered corners. Cases are shipped on a wood-shipping frame and cardboard over pack completely set up ready for use except for the placement of the adjustable shelves.

Materials:

Ends, bottoms and top are secured to the top are 13/16" thick three ply Novoply, industrial grade 45 lb. flakecore plywood or equivalent with both faces and front edge genuine walnut, birch, or oak veneered. Base front is solid 3/4" thick lumber thoroughly air and kiln dried. Shelves are solid hardwood lumber finished full 3/4" thick. The complete shelf is stained to a uniform finish. Installed shelving is guaranteed to

support 150 pounds without bow, sag or twist. Shelving is tested up to 175 pounds even distribution without deformation. Backs are ¼” masonite hard board with the inside face custom printed to match the finish or optionally, a ¼” thick plywood back panel or genuine walnut, oak, or birch veneered panels finished one or both sides are available at an up-charge.

WARRANTY: All cases are fully guaranteed against defects in material and workmanship for 5 years.