

HALE MANUFACTURING COMPANY
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PRODUCT SPECIFICATION

Item description: Saratoga Bookshelf Units – Double Sided

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.

End panels will be hardwood veneer over a 3-ply flake core panel with thickness of 1". The front and back edge will be hardwood banded with a bull nose profile.

All joint construction will use standard woodworking methods including peg and dowel, dovetail, spline, rabbet, mortise and tenon.

Wood Finishes:

In the manufacturing process, hardwood parts are glued, cut to size, machined 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 prepares 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:

Double-sided bookshelf units offer book storage on the front and back of a freestanding unit. End panels of 1" thick hardwood veneer particleboard have a bull nose hardwood cleat on the front and back edge of each panel. Each unit is assembled with a single bottom shelf with a 3" hardwood toe kick on the front and back. The free-standing unit is assembled using the single bottom shelf and two sub-tops doweled in flush with the front and back. The back is 1/4" thick veneer plywood and slides between the 3/4" sub-tops at the top of the unit down through the groove in the end panels and into a groove on the bottom shelf. A solid 1" hardwood overlay top is screwed to the unit through pre-drilled holes in the sub-top. The screw holes are plugged with wooden dowels. A bull nose profile overhangs the front and the back of the unit by 1/2". Shelf support holes are spaced at 1" increments to accept 1/4" diameter zinc plated steel shelf supports. Four threaded leveling glides are installed to assist in leveling during installation. The 18" deep double-sided unit will provide a working shelf depth of approximately 8-3/8"D on either side of the centered back. The 24"D double-sided unit will provide a working shelf space of approximately 11-1/8". All shelving is 1" thick lumber core with hardwood veneer face top and bottom. The front edge has a bull nose hardwood cleat. Each shelf carries a 200 lb. load rating against deflection. 2-1/2" plate mount swivel casters with or without locks are available upon request for units up to 48"H.

WARRANTY: 10 years from date of shipment against manufacturing defects and workmanship.