

Technical Specifications ■

Perth® Recliner

Model: PR

December 2010

Wood Arms

Wood arms are constructed of 6/4 and 8/4 select hardwood kiln dried to moisture content of 5% to 7% and laminated hardwood plywood panels. Joinery utilizes two (2) $\frac{7}{16}$ " x 2" fluted hardwood dowels bored 1" on center and glued into position.

Mechanism Chassis

2" x 1" 14-gauge rectangular steel tube frame welded at all member connections is powder coated to seal frame. Steel frame is bolted to wood arms at four (4) locations using $\frac{7}{16}$ " machine bolts. Actuating levers mount vertically to center member of steel chassis at four (4) locations using $\frac{1}{4}$ " 20 machine bolts.

Recliner Back Frame

Back frame is constructed of 1" laminated plywood uprights with 6/4 hardwood cross rails. Joinery utilizes two (2) $\frac{3}{8}$ " fluted dowels bored 1" on center and glued in position. Nine (9) 3" woven web straps are stretched horizontally across inside back and stapled into position. Back frame mounts to actuating levers using four (4) $\frac{1}{4}$ " 20 machine bolts at each side with a $\frac{1}{8}$ " stamped steel brace for maximum strength.

Polyurethane Foam Cushions

Seat cushion is composed of 42 lbs. 1.8 density high resilient polyurethane foam measuring 5" in thickness. Back cushion is composed of 27 lbs. 1.8 density high resilient polyurethane foam measuring 3" in thickness.

Upholstery Covers

All upholstery covers are attached using Velcro and loop fasteners or transfer adhesive tape. All removable upholstery covers have closure stitching on edges to prevent fraying.

Wood Finish

Exposed wood is machine sanded with 180 grit paper, followed by 220 grit paper for a smooth surface. A spray stain is then applied for an overall even color. Once the stain is applied, the wood parts are run through a burn-off oven and the wood finish is baked on for one hour at a temperature of 140° to 150° Fahrenheit. The wood is then sealed to prevent moisture imbalance. The entire frame is then sanded by hand with 400 grit paper for fine detailing. The final step is the application of a conversion varnish topcoat which is also run through the burn-off oven process.

