



TREE SQUIRREL[®]

Smooth Action Pruning & Picking Tower



Designed and built by NELSON MFG. CO., INC., Yuba City, CA



The all-new Nelson **Tree Squirrel**® pruning and picking towers are designed and built with long-lasting dependability in mind and with close attention to operator convenience and efficiency.

EASY TO OPERATE

The new closed-center hydraulics allow for on-demand pressure and keep the tools cool to the grip. The **Tree Squirrel**® also features hydraulic “ramping” which moves slowly at first and then ramps up to speed. This smooth action is also on the deceleration providing operator comfort and making the tower controls very easy to master. The ADI® brand Lopper and Chain saw are simple and lightweight yet built strong for commercial use. Tools racks are conveniently located at waist level and behind the working platform which allows for very easy and quick access. The **Tree Squirrel**® includes two pair of hydraulic Quick-disconnects so there is no need to switch hoses or move a valve handle when switching tools.

EXCELLENT STABILITY AND MANEUVERABILITY

Maneuvering the **Tree Squirrel**® between trees is easy with the three-point frame design and joystick controls. Tower can turn 360° in it’s own length with the automatic counter-rotation drive wheel function. Excellent stability is achieved with the wide width-to-height ratio. Road transport is easy with the optional 15” road tires and towing tongue (drive wheels in folded position). Drive wheel hubs can be adjusted to neutral position for towing as well.

DEPENDABLE POWER COMPONENTS

Power is provided by the proven Kubota® D1105 25HP 3-cylinder Tier-3 diesel engine; currently the most powerful in the industry. The reliable Sauer-Danfoss® 25cc Piston pump, Sauer-Danfoss® wheel motors and the rugged Auburn Gear® Power Wheel planetary drives are designed together to provide the best torque and speeds while utilizing power efficiently. High speed ground drive considerably shortens time spent to and from the orchard while low speed is perfect for moving in and around trees. For safety, high speed only functions when the boom is fully in the down position. Engine start/stop and all hydraulic functions can be operated from both the platform as well as at the engine.

BUILT FOR PRODUCTION

Whether you are pruning your orchard or need an easy way to pick your crop, the **Tree Squirrel**® tower is perfect for the job. The 2-speed ground drive will dramatically shorten time to and from the orchard and the smooth action will minimize operator fatigue. These factors add up to increased production and greater profits!

TREE SQUIRREL® SPECIFICATIONS

	20 FT. TOWER	25 FT. TOWER
Engine	Kubota® D1105 - Tier 3	Kubota® D1105 - Tier 3
Size/Cylinders	1.1 Liter / 3 cyl.	1.1 Liter / 3 cyl.
Horsepower/Fuel	25 HP / Diesel	25 HP / Diesel
Engine Protection	Murphy®	Murphy®
Hydraulics	Closed Center with Smooth-action ramping	Closed Center with Smooth-action ramping
Hydraulic Pump	Sauer-Danfoss® 25cc Piston	Sauer-Danfoss® 25cc Piston
Hydraulic Motors	Sauer-Danfoss®	Sauer-Danfoss®
Wheel Drive	Auburn Gear® #40 Power Wheel	Auburn Gear® #40 Power Wheel
Speeds	2-speed	2-speed
Steering Controls	Joystick	Joystick
Lift Control	Rocker-Pedal	Rocker-Pedal
Maximum Height (to Platform Floor)	20' 0" (240 in.)	25' 0" (300 in.)
Max Pruning Height (Operator height plus reach and tool length)	Approximately 30 ft.	Approximately 35 ft.
Minimum Height (Top of Mast)	7' 2" (86 in.)	8' 1" (97 in.)
OA Length	17' 7" (211 in.)	24' 2" (290")
OA Width	11' 4" (136 in.)	12' 6" (150 in.)
OA Width with Tow Tires	6' 10" (82 in.)	8' 0" (96 in.)
Weight	3,100 Lbs.	3,560 Lbs.
Fuel Capacity	12 Gal.	12 Gal.
Hyd. Oil Capacity	26 Gal.	26 Gal.
Chain Saw Option	ADI® ACS-60	ADI® ACS-60
Lopper Option	ADI® AP-155	ADI® AP-155
Boom Cylinder	2" x 30" Welded	2" x 48" Welded
Drive Tires	31 x 15.50 - 15 flotation	31 x 15.50 - 15 flotation
Caster Tires	11L x 15 ribbed	11L x 15 ribbed
Bearings:	2 sealed	2 sealed
Boom (both ends)	(Timken®)	(Timken®)
Bearings:	2 sealed	2 sealed
Stabilizer (both ends)	(Timken®)	(Timken®)
Bearings:	2 sealed	2 sealed
Cylinder Pivot	(Timken®)	(Timken®)
Bearings:	2 sealed	2 sealed
Caster Wheels	(Timken®)	(Timken®)
Frame Tubing	4" x 6" x 3/16"	4" x 6" x 3/16"
Coating	Powdercoat	Powdercoat



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