



TREE SQUIRREL®

Smooth Action Pruning & Picking Tower



20 Foot
Tree Squirrel

25 Foot
Tree squirrel

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



20 Foot Model

Quality 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 **Tree Squirrel**® hydraulic system provides smooth action for operator comfort making the tower controls very easy to master. The large hydraulic oil cooler is on the Tool circuit and keeps the tools cool to the grip. The ADI® brand Lopper and Chain saw are simple and lightweight yet built strong for commercial use. Tool rack is 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 a choice of the Kubota® D1105 or Perkins GJ65678N diesel engines. Both are 1.1 Liter, 3 cylinder, Tier 3 and are rated at 24.9HP. 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.

BUILT FOR PRODUCTION

Standard equipment on the **Tree Squirrel**® also includes two ground speeds. High speed ground drive considerably shortens time spent to and from the orchard while low (working) 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. Also, the Powdercoat finish provides the best protection and will withstand falling branches while keeping its shine.

TIME TESTED

Manufactured for over 40 years, the **Tree Squirrel**® is a favorite of both demanding farmers as well as contract pruning companies. 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

Engine	Kubota® D1105 - Tier 3 or Perkins GJ65678N -Tier 3
Size/Cylinders	1.1 Liter / 3 cyl.
Horsepower/Fuel	24.9 HP / Diesel
Engine Protection	Yes
Hydraulics	Sauer-Danfoss® Pump and Motors
Wheel Drive	Auburn Gear® #40 Power Wheel
Speeds	2-speed
Controls	Joystick Steering & Rocker-pedal Lift
Maximum Height (to Platform Floor)	20' Model: 20' 0" (240 In.) 25' Model: 25' 0" (300 In.)
Max Pruning Height (Operator height plus reach and tool length)	20' Model: Approx. 30 Ft. 25' Model: Approx. 35 ft.
Minimum Height (Top of Mast)	20' Model: 7' 2" (86 In.) 25' Model: 8' 1" (97 In.)
Length	20" Model: 17' 7" (211 In.) 25' Model: 24' 2" (290 In.)
Overall Width	20' Model: 11' 4" (136 In.) 25' Model: 12' 6" (150 in.)
Overall Width with Tow Tires	20' Model: 6' 10" (82 In.) 25' Model: 8' 0" (96 in.)
Weight	20' Model: 3,100 Lbs. 25' Model: 3,560 Lbs.
Fuel Capacity	12 Gal.
Hyd. Oil Capacity	26 Gal.
Chain Saw Option	Choice of ADI® or Limb-Lopper Brands
Lopper Option	Choice of ADI® or Limb-Lopper Brands
Boom Cylinder	20' Model: 2" x 30" welded 25' Model: 2" x 48" welded
Drive Tires	31 x 15.50 - 15 flotation
Caster Tires	11L x 15 ribbed
Bearings: Boom (both ends)	2 sealed (Timken®)
Bearings: Stabilizer (both ends)	2 sealed (Timken®)
Bearings: Cylinder Pivot	2 sealed (Timken®)
Bearings: Caster Wheels	2 sealed (Timken®)
Frame Tubing	4" x 6" x 3/16"
Coating	Powdercoat



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