

CTM

California Tomato Machinery



CTM JOHNSON TOMATO HARVESTER

Frame and Ground Drive

Construction of the Johnson tomato harvester begins with a heavy wall tubular steel main frame that is rugged enough to operate under the most adverse field conditions. The four wheel hydraulic drive system is made from heavy duty components that provide maximum torque and ground clearance.

Three Weight Shaker

The heart of the Johnson tomato harvester is the patented Three Weight Shaker. Its features include: Curved vine rods and longer strokes which maximize recovery; adjustable shake rate and rotation speed for all field conditions and varieties; and vibration-free operation that results in less maintenance. Powered rotation and large weights eliminate brush plugging.

Suspension and Leveling

The front and rear axles are pivot mounted which eliminates twisting of the frame. The axles also are hydraulically coupled together which means the frame feels only half the rocking motion as the harvester crosses an obstruction such as a furrow. This design creates equal wheel loading which means speeds can be increased, particularly at the headland, with the header remaining level.

Hydraulic System

The hydraulic system is a closed center pressure/flow compensating system. It delivers only the required flow and pressure to overcome a load or turn a motor and requires less horsepower with lower temperatures than other systems.

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STANDARD FEATURES

- ◆ Engine: John Deere 225 HP 6081HF TIER II diesel engine
- ◆ Drive: Hydrostatic with 4 drive motors and 3 speed ranges
- ◆ Speed: 0 to 18 MPH variable both forward and reverse
- ◆ Steering: 4 wheel power steering
- ◆ Turning Radius: 13' 10"
- ◆ Wheel Spacing: 60, 63, or 66"
- ◆ Tire Size: 1 3 x 24 Radial
- ◆ Sorting: 2-way electronic dirt sorter, 30 or 32-channel
- ◆ Separation System: Three Weight Shaker
- ◆ Elevator: Adjustable to 60 or 66"
- ◆ Fuel Capacity: 110 US gallons
- ◆ Night Lights: 16 rectangular Halogen
- ◆ Leveling System: Automatic machine leveling
- ◆ Long-Life urethane coated shaker tines
- ◆ Remove grease bands
- ◆ Limited slip traction control system
- ◆ Closed center hydraulics
- ◆ Flow controls on sort belts
- ◆ Frequency switch for soft starts

OPTIONAL FEATURES

- ◆ Air-conditioned cab
- ◆ Rodweeder
- ◆ Sickle
- ◆ Turning discs
- ◆ Auto header heights

DIMENSIONS

- A.** Length 40' 2" (12.24m)
- AA.** Transport Length 41' 0" (12.50m)
- B.** Wheel Base 12' 1" (3.68m)
- C.** Bulk Loader Dump Height
Standard 12' 4" (3.76m)
Extended 13' 0" (3.96m)
- D.** Bulk Loader Dump Width
Standard 5' 5" (1.65m)
Extended 7' 0" (2.13m)
- E.** Elevator Leg 10' 0" (3.05m)
- F.** Span from Wheel
Standard 17' 0" (5.18m)
Extended 18' 6" (5.64m)
- G.** Header Width 4' 11" (1.50m)
- H.** Width
Catwalks extended 14' 10" (4.52m)
- I.** Wheel – Gauge
Standard 5' 0" (1.52m)
Extended 5' 6" (1.68m)
- J.** Width
Catwalks retracted 12' 0" (3.66m)
- K.** Heights to Sunshade 10' 9" (3.28m)
- L.** Overall Height 11' 5" (3.48m)



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