

A7 TORNADO STANDARD EQUIPMENT (with power module selection)	
SWEEPER ENGINE	PICKUP HEAD
John Deere 4045 Tier 4 engine	90" x 36" Sweeping Head with Rubber Blast Orifice
Fuel water separator	3/8" thick, 14" dia Pressure hose, 14" Suction Hose
3-point safety engine shutdown device	Sweeps-in-Reverse
Battery and 50 gallon fuel tank shared with chassis	Doublewide full length carbide drag shoes Warranted against wear-out, two years/2000 hours, prorated.
90 amp alternator	
2 year warranty on Aux Engine	DUST CONTROL SYSTEM
HYDRAULIC SYSTEM	Twin Electric diaphragm water pumps with inlet restriction indicator
25 gallon vented hydraulic reservoir, w/shut-off valves	60 PSI, 6.0 gpm
Tank mounted level and temperature indicator	Water tank capacity 250 gallons, polyethylene
Hydraulic pressure, 2500 psi	25-foot long fire hydrant fill hose
Spin-on 10 micron return filter	50 mesh cleanable filter, with shut off valve
9000 BTU oil to air radiator type oil cooler	Water spray nozzles shall be provided as follows:
12-volt DC hydraulic backup system	Five at pickup head, two nozzles inside hopper
DUST SEPERATOR	Two at gutter broom, per option selected
Centrifugal dust separator, 29000 cu in. with 1680 sq in door	Two nozzles in suction tube, two at front axle
HOPPER	An air purge system for flushing water lines
Mild Steel, 8.4 CuYd, 7 CuYd usable Capacity	OPERATING CONTROLS AND INSTRUMENTS
Screens - 5615 square inches, saw tooth design	Aux engine control with full color display on console:
Twin dumping cylinders, 51 degrees	Keyed ignition, electronic throttle, leaf bleeder
Rear door hydraulically opened, closed and locked	Oil pressure gauge, water temperature gauge
Dual 20" X 32" watertight inspection doors, 1 left, 1 right	Voltmeter, tachometer, and hour meter
External weatherproof dump switches	Diagnostic gauge for Aux Engine, overweight warning.
Shroud enclosing the auxiliary engine	Selectable sweep or lift in reverse, system standby, in-cab tilt,
BLOWER	variable speed brooms. All other STD sweeper function switches to be
Closed face turbine 10 curved blades, 32.75" dia. by 5" wide	Included for standard and options selected
500 brinell hardness abrasion resistant steel	Swiveling console for left or right sweeping
Fully balanced within 1.5 grams on both sides	SAFETY EQUIPMENT
Vacuum enhancer, w/indicator in cab	Two body props to lock hopper in raised position
Remote grease lines for fan bearing	Rear Amber LED Strobe With Guard
SWEEPER WARRANTY	2 rear yellow alternating LED flashing lights
12 Months 1200 Hours	Slow moving vehicle emblem, backup alarm,
	5-lb fire extinguisher, and a warning triangle kit.