

**A7SE TORNADO STANDARD EQUIPMENT**

<b>SWEEPER ENGINE</b>	<b>PICKUP HEAD</b>
Fuel water separator	90" x 36" Sweeping Head with Rubber Blast Orifice
Safety engine shutdown device	3/8" thick, 14" dia Pressure hose, 14" Suction Hose
Battery and 50 gallon fuel tank shared with chassis	Sweeps-in-Reverse
160 amp alternator	Doublewide full length carbide drag shoes Warranted against wear-out, two years/2000 hours, prorated.
High capacity air cleaner	
<b>HYDRAULIC SYSTEM</b>	<b>DUST CONTROL SYSTEM</b>
25 gallon vented hydraulic reservoir, w/shut-off valves	Twin Electric diaphragm water pumps with inlet restriction indicator
Tank mounted level and temperature indicator	Water tank capacity 480 gallons, polyethylene
Hydraulic pressure, 2500 psi	25-foot long fire hydrant fill hose
In-tank 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
<b>DUST SEPERATOR</b>	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
	An air purge system for flushing water lines
<b>HOPPER</b>	<b>OPERATING CONTROLS</b>
Mild Steel, 8.4 CuYd, 7 CuYd usable Capacity	Sweeper power control, with auto throttle standby
Screens - 5615 square inches, saw tooth design	Broom deploy, tilt and speed
Twin dumping cylinders, 51 degrees	Head up/down or leaf bump, sweep in reverse
Rear door hydraulically opened, closed and locked	Dust control water by zone
Dual 20" X 32" watertight inspection doors, 1 left, 1 right	Hopper dump - in cab and at side broom
External weatherproof dump switches	Sweeper lighting and beacons
Shroud enclosing the auxiliary engine	<b>INSTRUMENTS</b>
<b>BLOWER</b>	Full color hi-res display with the following:
Closed face turbine 10 curved blades, 32.75" dia. by 5" wide	Water level, broom speed, hopper load, vacuum enhancer position
500 brinell hardness abrasion resistant steel	Sweeper and drive system diagnostics
Fully balanced within 1.5 grams on both sides	Hopper tilted and door open indicator.
Vacuum enhancer, w/indicator in cab	Swiveling console for left or right sweeping
Remote grease lines for fan bearing	<b>SAFETY EQUIPMENT</b>
<b>SWEEPER WARRANTY</b>	Two body props to lock hopper in raised position
Sweeper 12 Months, 1200 Hours	Rear Amber LED Strobe with Guard
VPD Device 36 months, unlimited hours	2 rear yellow alternating LED flashing lights
Chassis sweeper engine 36 Months	Slow moving vehicle emblem, backup alarm,
Sweeper hydraulic pumps and fittings 5 years	5-lb fire extinguisher, and a warning triangle kit.
Sweeper hydraulic motors and valves 2 years	Rear view camera