MODEL 600® REGENERATIVE AIR SWEEPER®
FINAL TIER 4 AUXILIARY ENGINE/CONVENTIONAL CAB SWEeper

**Sweeper Auxiliary Engine**
- Engine: John Deere 4045 turbo, 4 cyl. (Final Tier 4)
- Displacement: 275 in³ (4.5 L)
- Power: 99 HP @ 2200 RPM (74 kW)
- Net torque: 315 lb-ft @ 1600 RPM (427 Nm)
- Air cleaner: Heavy duty, w/pre-cleaner, scavenging vacuum hose, and in-cab air restriction indicator w/gauge.
- Remote oil filter: Spin on, full flow
- Auxiliary engine fuel tank capacity: 51 gal (193 L)

**Blower Housing**
- Abrasion resistant, bearings:
  - (2) sealed lifetime lube, anti-friction

**Purpose**
- Creates blast and suction

**Aluminum Alloy, High Volume, Open Face Turbine**
- Pick-up head, blower, water pump, and BAH package

**Zipper**
- Durable, w/pre-cleaner, scavenge vacuum hose, and in-cab air restriction indicator w/gauge.
- Remote oil filter: Spin on, full flow
- Auxiliary engine fuel tank capacity: 51 gal (193 L)

**Auxiliary Engine Protection System**
- Fuel/water separator and separate fuel filter
- Capacity (volumetric): 3.8 gal (14.4 L)
- Capacity (useable): 5.4 gal (20.6 L)
- DEF tank: Dedicated
- Diesel fuel tank capacity: 51 gal (193 L)

**Auxiliary Engine**
- Operates gutter broom(s), dump and pick-up head
- Drive:
  - Gear driven from auxiliary engine
- Drive:
  - Electric diaphragm
- Water spray nozzles for dust suppression
- Temperature shutdown system

**Hydraulic System**
- Operates gutter broom(s), dump and pick-up head
- Drive:
  - Gear driven from auxiliary engine
- Drive:
  - Electric diaphragm
- Reservoir: 25 gal (93 L)
- Filter: 3 micron in-line

**Dust Control System**
- Water spray nozzles for dust suppression
- Pump:
  - Electric diaphragm
- Reservoir:
  - Polyethylene 220 gal (833 L), total minimum
- Filter:
  - 80 mesh in-line
- Low water shut-off:
  - Safety shut-off with low water warning light in cab coupled with liquid level sensor
- Spray nozzles:
  - Around pick-up head
  - Gutter brooms (each)
  - Hopper (inside)
- Hydrant fill hose w/storage area: 20 ft (6 m)

**Control System**
- BlueLogic Control System
  - Multiplied electrical system includes hardware and TYMCO designed software that integrates the in-cab controls to the auxiliary engine and all sweeper functions; as well as provides intelligent safety features and on-board diagnostics (OBD) for the auxiliary engine and sweeper through the BlueLogic display.

**BlueLogic Display**
- Pedestal mounted touchscreen display provides sweeper and auxiliary engine data to the operator and includes hour meters (trip and total) for the auxiliary engine, gutter brooms, pick-up head, blower, water pump, and BAH broom if applicable; sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm, dust control system winterization guide, and OBD.

**Interior Components**
- Leaf pressure bleeder control, BlueLogic display, auxiliary fuse panel, illuminated control switches: pick-up head, gutter brooms, auxiliary engine RPM, dust control water system nozzles, safety lights.

**Exterior Components**
- SAFETY/WARNING DEVICES
  - Alternating LED rear flashers (2)
  - Back-up alarm
  - SAE Class 1/California Title 13 amber beacon light with limb guard - LED

**Optional Equipment**
- AOD water pump w/washdown hose/spray gun
- Abrasion protection package
- Auto Sweep Interrupt (ASI)
- Auxiliary hand hose 8 in dia. (203 mm)
- Auxiliary hand hose hydraulic boom assist
- Auxiliary hand hose catch basin cleaning package
- Auxiliary hydraulic system
- Broom Assist Pick-up Head (BAH®)
- Camera/monitor system
- COMDEX (extra water and tool box) 330 gal (1249 L) total capacity
- Gutter broom tilt adjuster(s) (left, right, or twin)
- Gutter broom variable speed
- Gutter broom drop-down
- Hi/Low pressure washdown system
- High output water system
- Hopper deluge system
- Hopper drain system
- Lateral airflow nozzle
- Linear actuator - pressure bleeder w/gauge
- Liquid recovery system
- Low emissions package (required for South Coast AQMD Rule 1186)
- Magnet, light, standard, or heavy duty
- Pick-up head curtain lifter
- Pick-up head deluge
- Shop air purge, dust control system
- Spark resistant skids
- Stainless steel options:
  - Hopper:
    - Hopper weldment
    - Dump door
    - Inspection doors
    - Raker plate
    - Hopper screen
    - Blower housing
    - High capacity dust separator
    - Hopper drain
  - Paint color (other than TYMCO standard white)
  - Special options are available for your individual requirements. Contact your local dealer or TYMCO.

**Conventional Cab Chassis Available**
- International 4300
- Freightliner M2-106